

Mosses of the Mediterranean, an annotated checklist

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In Memoriam to A.J.E. SMITH

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Abstract – The names of all mosses published up to the end of August 2011 in the countries of the Mediterranean basin, the Macaronesian Islands and Bulgaria are compiled in an annotated checklist. The list comprises accepted names and synonyms, and provides explanatory annotations for ambiguous and disputed names. Literature references supporting the reports in each individual area are given only for taxa reported once or in a single locality. A total of 1168 accepted species and 81 infraspecific taxa are reported from the whole area.

INTRODUCTION

In the course of the meeting held in Pisa in autumn 2007, the year which saw the publication of the checklist of Mediterranean liverworts and hornworts (Ros *et al.*, 2007a), the OPTIMA Bryophyte Commission decided to continue with the second step of the project approved in Palermo six years previously, i.e. the preparation of a checklist of Mediterranean mosses. The reasons for this were exactly the same as those concerning the liverworts and hornworts: the lack of a critical list of taxa published in the Mediterranean region to date, and the need to fill this gap. There had been some important publications at national and insular level, including both floras (Cortini Pedrotti, 2001a, 2006; Casas *et al.*, 2003, 2006; Heyn & Herrnstadt, 2004; Guerra *et al.*, 2006, 2010c; Brugués *et al.*, 2007c; Kürschner & Frey, 2011) and lists (Dia *et al.*, 1987; Frey & Kürschner, 1991; Düll *et al.*, 1999; El-Saadawi *et al.*, 1999; Nizam & Al-Araj, 1999; Ros *et al.*, 1999; Sabovljević & Stevanović, 1999; Martinčić, 2003; Sérgio & Carvalho, 2003; Losada-Lima *et al.*, 2004, 2010; Casas, 2005; Cekova, 2005; Gabriel *et al.*, 2005; Kürschner & Erdağ, 2005; Natcheva & Ganeva, 2005; Colacino & Sabovljević, 2006; Dragičević & Veljić, 2006; Sabovljević, 2006; Sérgio *et al.*, 2006c, Sotiaux *et al.*, 2007; Aleffi *et al.*, 2008, Cros *et al.*, 2008; Sabovljević *et al.*, 2008a; Sérgio *et al.*, 2008; González-Mancebo *et al.*, 2008a; Mifsud, 2012), and at continental level a European bryophyte flora (Frey *et al.*, 2006) and a checklist of the European mosses had appeared (Hill *et al.*, 2006). However, none of these publications covered the whole Mediterranean basin, and it seemed expedient to produce a complete floristic and taxonomic update of the mosses of the entire Mediterranean region in the form of a critical checklist, incorporating currently accepted names and the synonyms used in this region in the past.

The methods, criteria and processes were the same as those used for the checklist of liverworts and hornworts (Ros *et al.*, 2007a). The authors responsible for individual countries and islands would prepare a list of accepted names and synonyms, and subsequently Rosa María Ros (Secretary of the OPTIMA Bryophyte Commission) and Vicente Mazimpaka (member of the Commission) would integrate all the checklists into a master list including accepted names and synonyms. For this new checklist it was decided that literature references would be included for each country and island, but only for the taxa reported once or in a single locality.

After an interval of five years, we now present the resulting checklist, incorporating the names compiled at the beginning of the project, together with those published during the intervening years. The numerous scattered bibliographic sources, the large amount of data accumulated during three centuries of taxonomic and floristic work on Mediterranean mosses, and the difficulties derived from working in remote locations have sometimes been an obstacle, but the conviction of providing a useful tool to colleagues and to all those interested in the bryophytes of the Mediterranean region has been a great stimulus.

Although a great effort has been made to trace and check all the names included in the list, it is unrealistic to expect a perfect result considering the scope and complexity of the work involved. Therefore the authors would appreciate any comments on errors or omissions observed in the lists in order to improve future revisions.

METHODOLOGY

Criteria for the list of accepted names

The list includes published names and records up to the end of August 2011. The checklist by Hill *et al.* (2006) has been the basic reference work for accepted names. As this is limited to Europe and Macaronesia, additional reference works for the territories outside this area have been followed, namely Ros *et al.* (1999) and El-Saadawi *et al.* (1999) for North Africa, Heyn & Herrnstadt (2004), Frey & Kürschner (1991) and Kürschner & Frey (2011) for the Near East and Kürschner & Erdağ (2005) for Turkey. We have made some exceptions to these lists in the light of more recently published taxonomic papers or other criteria, and these are documented in the annotations. In cases where infraspecific taxa have not been distinguished in the literature for a given territory, then the relevant occurrences have been indicated in the checklist at species level.

For the most part, however, we have been restrictive in the inclusion of infraspecific taxa. Thus, if the majority of recent authors have not recognised a taxon, then we have also omitted it here. We have not recognised the category of “form”. Taxa whose presence in a given area is doubtful have been excluded at the discretion of the author responsible for that area. We also have omitted names previously rejected in published papers, but explanatory annotations have been included for these rejections. Doubtful taxa have not been included in the general list but are mentioned in annotations.

The names of the accepted taxa and their occurrences in individual territories are presented in tabular format. Taxa are arranged in alphabetical order of genera and species mainly following the classification of Bryophyta proposed by Goffinet *et al.* (2009), except for the genera *Campylidium* (Kindb.) Ochyra, *Coscinodon* Spreng., *Imbribryum* N. Pedersen, *Nyholmiella* Holmen & Warncke, and *Sarmentypnum* Tuom. & T.J. Kop. which are not considered in that work. Territories are listed in alphabetic sequence of their respective abbreviations. The reported presence of a taxon in a territory is marked by one of the symbols explained below indicating the nature of the record. Annotations concerning taxonomic criteria and floristic data are indicated by a number following the name of the taxon, or in the corresponding grid cell.

As in the checklist of liverworts and hornworts, all the countries bordering the Mediterranean Sea have been included, along with Bulgaria, Portugal and Serbia. The moss checklist includes two additional territories, Andorra and the Azores. In the case of Andorra, this small country was overlooked in the liverwort and hornwort checklist, and in the case of the Azores we have assumed that their climatic characteristics are not so different from the other Atlantic Islands such as Madeira and therefore they should also be included (Fig. 1).

Author abbreviations follow Brummit & Powell (1992).

Explanation of symbols

- Report based on collections published before 1962.
- Report based on at least one collection published during or after 1962.
- (○) Doubtful report based on collections published before 1962.
- (●) Doubtful report based on at least one collection published during or after 1962.
- + Report without precise collection data or locality.

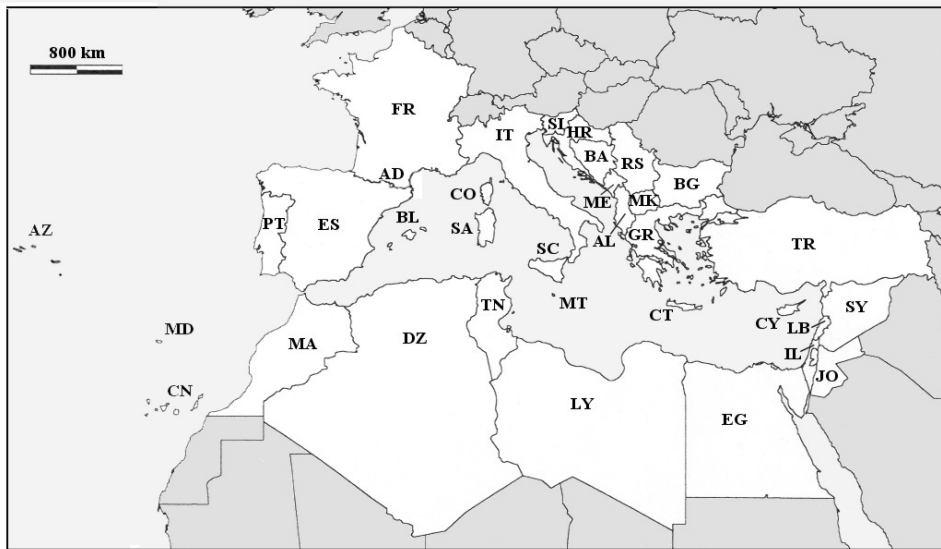


Fig. 1. Map of the study area indicating the abbreviation used the countries and islands for which a separate list is included in the checklist (cf. also Table 1).

Single records

It would have required an enormous amount of space and effort to list full literature references for all the taxa and territories. We have therefore given them only for the accepted taxa that have been reported either once or in a single locality within a country or island, and we have called these occurrences *single records*. In the general list of species, these single records are marked in each individual territory by an asterisk (*). A list of single records has been produced for each individual territory, stating the scientific name of the taxon and the corresponding literature reference. The full literature citations are included in the general list of references.

Criteria for the list of synonyms

In general, we have applied the same criteria for mosses that we used for the list of liverworts and hornworts (Ros *et al.*, 2007a). All available names used in the study area are included with the corresponding accepted names. In order to verify the synonymy, the names were checked against classical works including *Index Muscorum* (Wijk *et al.*, 1959, 1962, 1964, 1967, 1969), recent publications on mosses such as current floras (Cortini Pedrotti, 2001a, 2006; Casas *et al.*, 2003, 2006, Smith, 2004, Frey *et al.*, 2006, Guerra *et al.*, 2006, 2010c; Brugués *et al.*, 2007c), recent checklists and catalogues (Ochyra *et al.*, 2003; Hill *et al.*, 2006,) and other older lists such as Düll (1984, 1985, 1992), generic monographs, the database of Tropicos at MOBOT, and also some other internet resources such as the Check List of Norwegian Mosses (Natural History Museum, University of Oslo, 2012), the Checklist of Austrian Bryophytes (Köckinger *et al.*, 2012a) and Bryophytes

d'Europe (Association Tela Botanica, 2012). It should be taken in mind that correct nomenclatural interpretation of synonyms does not guarantee correctness of associated distributional data.

The combinations and authorities of the names used in the different countries or islands were checked against monographic revisions and current floras, but when these were not available, Tropicos and *Index Muscorum* were the reference works used. Erroneous author citations that have appeared in previous compilations have been omitted. Invalid combinations have been included and their status indicated. This list also includes names rejected for the whole Mediterranean area and infraspecific taxa whose identities are unknown to the authors and have not been clarified by recent taxonomic studies. In the latter case the country or area in which the name has been reported is stated in an annotation, the number of which is indicated after the most appropriate scientific name and also in the corresponding grid cell of the relevant territories in the general list. The accepted names included in the general list are indicated in bold type.

The list of synonyms and other moss names used in the Mediterranean area is available on line as supplementary material ([doi/10.782/cryb.v34.iss2.2013.S1](https://doi.org/10.782/cryb.v34.iss2.2013.S1)).

Table 1. Countries and island groups treated in the checklist, with the names of their corresponding authors. Country abbreviations are based on the two-letter code defined by ISO 3166-1 for country names. For the islands that are not independent countries we have used a two-letter code as defined in Ros *et al.* (2007a) with the addition of AD for Andorra and AZ for the Azores. For the purpose of the checklist, Sinai has been included in Egypt. Israel includes some adjacent areas (Gaza, the West Bank, the former Cis-Jordan, and parts of both the Golan Heights and Mt. Hermon). Malta includes the Maltese islands Malta, Gozo and Comino. The Spanish North-African territories have been included in Morocco, Kosovo in Serbia and Gibraltar in Spain. Turkey includes the European and Asian parts without further distinction.

<i>Countries and Islands</i>	<i>Abbreviations</i>	<i>Authors</i>
Albania	AL	M. Sabovljević
Algeria	DZ	R.M. Ros, I. Draper & O. Werner
Andorra	AD	M. Brugués & R.M. Cros
Azores	AZ	R. Gabriel
Baleares	BL	M. Brugués & R.M. Cros
Bosnia-Herzegovina	BA	M. Sabovljević
Bulgaria	BG	A. Ganeva
Canary Islands	CN	J.M. González-Mancebo, A. Losada-Lima & G.M. Dirkse
Corsica	CO	A. Vanderpoorten & A. Sotiaux
Crete	CT	T.L. Blockeel
Croatia	HR	M. Sabovljević
Cyprus	CY	T.L. Blockeel
Egypt	EG	W. El-Saadawi, H.M. Shabbara & U. Abou-Salama
France	FR	V. Hugonnot & C. Granger
Greece	GR	T.L. Blockeel
Israel	IL	I. Herrnstadt
Italy	IT	M. Aleffi & R. Tacchi
Jordan	JO	H. Kürschner
Lebanon	LB	H. Kürschner & A. Erdağ
Libya	LY	R.M. Ros, I. Draper & O. Werner
Macedonia	MK	M. Sabovljević
Madeira	MD	M. Sim-Sim & L. Luís
Malta	MT	S. Mifsud
Montenegro	ME	M. Sabovljević
Morocco	MA	R.M. Ros, I. Draper & O. Werner
Portugal	PT	C. Sérgio
Sardinia	SA	M. Aleffi & R. Tacchi
Serbia	RS	M. Sabovljević
Sicily	SC	M.G. Dia, M. Privitera & M. Puglisi
Slovenia	SI	M. Sabovljević
Spain	ES	M. Brugués & R.M. Cros
Syria	SY	W. El-Saadawi, H.M. Shabbara, U. Abou-Salama & K. Khalil
Tunisia	TN	R.M. Ros, I. Draper & O. Werner
Turkey	TR	H. Kürschner & A. Erdağ

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
Anacamptodon Brid. (Amblystegiaceae)																																					
<i>splachnoides</i> (Froel. ex Brid.) Brid.														●					○									○				●					
Anacolia Schimp. (Bartramiaceae)																																					
<i>menziesii</i> (Turner) Paris										●			●																							●*	
<i>webbii</i> (Mont.) Schimp.							●	●		[178]	○		●						●*				●	●			●		●	●						●	
Andoa Ochyra (Hypnaceae)																																					
<i>berthelotiana</i> (Mont.) Ochyra			●				●																	●													
Andraea Hedw. (Andreaeaceae)																																					
<i>alpestris</i> (Thed.) Schimp.					●			●					●	●					●				●			●*											
<i>alpina</i> Hedw.														(○)					○																		
<i>blyttii</i> Schimp.														(○)																							
<i>crassinervia</i> Bruch													[224]	(○)					●																		
<i>frigida</i> Huebener	●							●					●	●															●								
<i>heinemannii</i> Hampe & Müll.Hal.							●						●	●					●*																		
subsp. <i>heinemannii</i>							●						●										●					●									
subsp. <i>crassifolia</i> (Luisier) Sérgio							●						●															●									
<i>megistospora</i> B.M.Murray													●																●								
<i>mutabilis</i> Hook.f. & Wilson													●	●																							
<i>nivalis</i> Hook.													●	●					●															●			
<i>rothii</i> F.Weber & D.Mohr								●					●	●															○					○			
subsp. <i>rothii</i>	●												●	●											●*			●									
subsp. <i>falcata</i> (Schimp.) Lindb.	●												●	●					○									●									
<i>rupestris</i> Hedw.	●		○	○	●			●					●	●						○				●	●	●		●	●		●*			●			
var. <i>rupestris</i>													●	●					●									●						○		●	
var. <i>papillosa</i> (Lindb.) Podp.													●						●																		
Anoetangium Schwägr. (Pottiaceae)																																					
<i>aestivum</i> (Hedw.) Mitt. [413]			●				●		+				○	●					●				●	●												●	
<i>handelii</i> Schiffn.			[413]				[413]											●																			●
Anomobryum Schimp. (Bryaceae)																																					
<i>bavaricum</i> (Warnst. in Hamm.) Holyoak & Köckinger [3]														(○)					○																		
<i>concinatum</i> (Spruce) Lindb.				○									●	●					●															●		●	
<i>julaceum</i> (Schrad. ex P.Gaertn. et al.) Schimp.	●*		●				●	●	●		○		●	●									○*	●	●			●	●	○	●	○				+	
<i>lusitanicum</i> (I.Hagen ex Luisier) Thér.													●															●									
Anomodon Hook. & Taylor (Anomodontaceae)																																					
<i>attenuatus</i> (Hedw.) Huebener		●		●	●								●	●					●	●				●	○			●					●			●	
<i>longifolius</i> (Schleich. ex Brid.) Hartm.		○		○	●								●	●				○*	○					●			●						●			●*	
<i>rostratus</i> (Hedw.) Schimp.				○	●								●	●					●*									●						●	+	●*	
<i>rugelii</i> (Müll.Hal.) Keissl.				●	●								[225]	●					●					●	●									●		●	
<i>tristis</i> (Ces.) Sull. & Lesq.																			●																	●*	
<i>viticulosus</i> (Hedw.) Hook. & Taylor	●*	●		●	●	●	+	●			○		●	●				●	●				○*		●	●		●	●	●	●	●	●			●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>enderesii</i> Garov.				○					[171]		○								○				●*					○			○				(●)*	
<i>indica</i> (Hook.) Spreng. [74]												●							[74]																	
<i>unguiculata</i> Hedw.	●*	○	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	○	●	●	●	○	●	●	●	●	●	●	○*	●	●	
Bartramia Hedw. (Bartramiaceae)												[209]																								
<i>brevisetata</i> Lindb.																			○*																	
<i>halleriana</i> Hedw.				○	●			●					●	●		●	○		●*						●	●		●	○		●				●	
<i>ithyphylla</i> Brid.	●	○		●	●			●					●	●		●			●				○		●	●		●	●	●	●	●				●
<i>pomiformis</i> Hedw.	●	○	(○)* [119]	●	●		●	●			●		●	●		●	○		●				●	●	●	●		●	●	●	●	●				●
<i>stricta</i> Brid.		○	●	○	●*	●	●	●	●	●	●		●	●		●	○	●	●		○		●	●	○	○		●	●	●	●		●	○	●	
<i>subulata</i> Bruch & Schimp.														○					●																●	
Blindia Bruch & Schimp. (Seligeriaceae)																																				
<i>acuta</i> (Hedw.) Bruch & Schimp.	●		●	○	●			●					●	●		●*	○		●					●	●	●		●*				●			●	[375]
<i>caespiticia</i> (F.Weber & D.Mohr) Müll.Hal.				○	●									●			○		●						○											●*
Brachydontium Fűrnr. (Seligeriaceae)																																				
<i>trichodes</i> (F.Weber) Milde				○	●								●	●			●*		●									○*				○				
Brachymerium Schwägr. (Bryaceae)							[185]					[210]												[185]												
<i>commutatum</i> (Müll.Hal.) A.Jaeger											●		[226]										○												○*	
<i>exile</i> (Dozy & Molk.) Bosch. & Sande Lac. [7]											○*	●						(●)			○*															
<i>notarisii</i> (Mitt.) A.J.Shaw			●				●																●													
<i>paradoxum</i> (Herzog) A.J.Shaw																[252]										●		[252]								
<i>philonotula</i> Broth.																								(○)												
Brachytheciastrum Ignatov & Huttunen (Brachytheciaceae)																																				
<i>bellicum</i> (W.R.Buck, J.A.Jiménez, Ros & M.J.Cano) Vanderp. <i>et al.</i>																							●*													
<i>collinum</i> (Schleich. ex Müll.Hal.) Ignatov & Huttunen	○*							●*					●		○				●				●*						●*	○					●	
<i>dieckii</i> (Röll) Ignatov & Huttunen						●			●*	●*			●			●*		●*					●				●									●
<i>fendleri</i> (Sull.) Vanderp. <i>et al.</i>													[227]	●					●																	●
<i>olympicum</i> (Jur.) Vanderp. <i>et al.</i>				●				●		●			●	●		●	●*		●				○*			●		●*		○*	●	(○)				●
<i>trachypodium</i> (Brid.) Ignatov & Huttunen											○			●		●			●		○*				●					[333]	●				●	
<i>velutinum</i> (Hedw.) Ignatov & Huttunen		○	●	●	●	●	●	●	●	●	●	○*	●	●		●	●	●					●	●	●	●	●*	●	●		●	●	+	●	●	
var. <i>velutinum</i>	●												●	●		●			●				●	●	●	●	●								●	
var. <i>salicinum</i> (Schimp.) Ochyra & Żarnowiec	●*			○							●	●*	●	●		●			●		●		●			○		(○)		●				○*	●	
Brachythecium Schimp. (Brachytheciaceae) [8]																								[297]									[8]			
<i>albicans</i> (Hedw.) Schimp.		○	●	○	●	(○)*		●	●		○		●	●	[292]	●	○		●				○*	●	○	●		●	●	●	●	●				●

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>Bryoxiphium</i> Mitt., nom. cons. (Bryoxiphiaceae)																																				
<i>madeirensis</i> A.Löve & D.Löve																								●												
<i>norvegicum</i> (Brid.) Mitt.			●																																	
<i>Bryum</i> Hedw. (Bryaceae) [10] [11] [12] [13]											[11]	[12] [209] [212]		[13]									[282]							[334]						
<i>apiculatum</i> Schwägr.							+*					(●) [213]																								
<i>argenteum</i> Hedw.	●*	○	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	○	●	●		
<i>blindii</i> Bruch & Schimp.														●					●						●					[335]						
<i>calophyllum</i> R.Br.													(○)																○							
<i>canariense</i> Brid.		○	●	○*	○	●	●	○*	●		●		●	●		●	●	●	●	○*		○*	●	●	●	○		●		●	○		○		●	
<i>cellulare</i> Hook.							●		●			●*				●		●	[296]		○			+		○				○					+*	
<i>demaretianum</i> Arts														●*																						
<i>dichotomum</i> Hedw.	●*	●*	(●)	●	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●	●	○	●	●	●	○	●	●	●	●	○	○	○	●	●	
<i>dyffrynense</i> Holyoak														●*																						
<i>elegans</i> Nees	●*	○		●	●		●	●*	●*	●	●	●	●	●		●	○		●	●			●	●	●		●	●	●*	●	●				●	
<i>funkii</i> Schwägr.			○	●*		●		●*	●*	●	●	●	●	●		●	○		●	●*			○*	+	●			○		●	●	○*	●		○	
<i>gemmaferum</i> R.Wilczek & Demaret					●*	●							●	●													●	●								
<i>gemmaucens</i> R.Wilczek & Demaret					●*	●	●*				●*		●	●		●*		●*						●				●		●						●
<i>gemmaiparum</i> De Not.		○	●	○	○	●	●	●	●	●*	●	●	●	●		●	●	●	●				●	●	●	○	●*	●	○	●	●				●	
<i>intermedium</i> (Brid.) Blandow					○				○*				●	●		○*		●	●	●			○*		●	●*	(○)*	●	●	●	○				●	
<i>klinggraeffii</i> Schimp.				●*					●*				●	●		●*			●				●*		●		●*		●*		○				●*	
<i>knowltonii</i> Barnes														●													●		○							●*
<i>kunzei</i> Hornsch.	○	○*	○	●	●		●*	○*	●*	●*	●*	●*	●	●		●	○	●	●	●			[393]	●	●	●	●*	●	●	●	●	●	●			●
<i>marratii</i> Hook.f. & Wilson														●																						
<i>minii</i> Podp. ex Machado-Guim.													●	●*													●		○*							
<i>radiculosum</i> Brid.		○	●	○	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●*	●	○	●	●	●		●	●	●	●	●	●	●	●	●	
<i>riparium</i> I.Hagen														●		[245]		○	●	●	●															●*
<i>ruderales</i> Crundw. & Nyholm			●			●		●*				+*	●	●		●	○	●	●					●*			●	●	●	●						●*
<i>sauteri</i> Bruch & Schimp.			●			●						●*	●	●					●					●*	●		●*									
<i>schleicheri</i> DC.	●	○		○	●				(○) *		●	○*	●	●		●		●	●		○*		●	●	●		[388]	●	●*	●*	○				●	
<i>subapiculatum</i> Hampe			●		●		●	●				●	●	●		●		●	●*		+*		●				●*	●		●*						●
<i>tenuisetum</i> Limpr.			●*			●							●	●													●*									
<i>turbinatum</i> (Hedw.) Turner				●	●				●*		●	●	●	●		●	○		●	●	○		●	●	○		●	●	●	○	○				●	
<i>valparaisense</i> Thér.						●							●*			●*							●*					●								
<i>violaceum</i> Crundw. & Nyholm						(+)*							[228]	●		●*			●*									●								
<i>warneum</i> (Röhl.) Brid.														●					(○)*																	
<i>weigeli</i> Spreng.	●			●									●	●		○*			●				●	●				○	●	●*	○				●	
<i>Buxbaumia</i> Hedw. (Buxbaumiaceae)																																				
<i>aphylla</i> Hedw.		○		○	●								●	●										●	○								●			
<i>viridis</i> (Moug. ex Lam. & DC.) Brid. ex Moug. & Nestl.		●		●	●		●						●	●		●	○		●					●	○			●				●				●

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR			
Calymperes Sw. ex F.Weber (Calymperaceae)																																						
<i>erosum</i> Müll.Hal.																																						
Callicladium H.A.Crum (Hypnaceae)																																						
<i>haldanianum</i> (Grev.) H.A.Crum					●								[229]	○			○		●					○	●			●					●					
Calliergon (Sull.) Kindb. (Calliergonaceae)																																						
<i>cordifolium</i> (Hedw.) Kindb.				○	●								●	●			○		●					●*	●			●				●				●		
<i>giganteum</i> (Schimp.) Kindb.				●	●								●	●			(○)*	○	●					●	●			○				●				●		
<i>megalophyllum</i> Mikut.														(○)																								
<i>richardsonii</i> (Mitt.) Kindb.														●					●															○				
Calliergonella Loeske (Hypnaceae)																																						
<i>cuspidata</i> (Hedw.) Loeske	●	○	●	●	●	●*	+	●	●	○*	○		●	●		●	●		●		○		○	●	●	●	○*	●	●	●	●	●	○*	○*	●		●	
<i>lindbergii</i> (Mitt.) Hedenäs	●				●								●	●		○*	●*		●						●	●		●	●			●			○*	○*	●	
Campyliadelphus (Kindb.) R.S.Chopra (Amblystegiaceae)																																						
<i>chrysophyllus</i> (Brid.) R.S.Chopra	●	○		●	●	●*		●					●	●		●	●		●				●*	●	●		○*	●	●		●					●		
<i>elodes</i> (Lindb.) Kanda		●*		●	●*			+	*	(○)*			●*	●			○		●					●	●*		○*	●			●					●*		
Campylidium (Kindb.) Ochyra (Amblystegiaceae) [405]																																						
<i>calcareum</i> (Crundw. & Nyholm) Ochyra				○	●			●					●	●		●	○		●					●	●			●				●				●		
<i>sommerfeltii</i> (Myrin) Ochyra		○		●	●												○		●					●	●			●				●				●		
Campylium (Sull.) Mitt. (Amblystegiaceae)																																						
<i>longicuspis</i> (Lindb. & Arnell) Hedenäs																																						
<i>protensum</i> (Brid.) Kindb.	●	○		●	●			●					●	●		●	○		●					●	●*			●			●					●		
<i>stellatum</i> (Hedw.) Lange & C.E.O.Jensen	●			●	●			●					●	●		●	○		●				○*	●	●*		●*	●	○*		●					●		
Campylophyllum (Schimp.) M.Fleisch. (Hypnaceae) [405]																																						
<i>halleri</i> (Hedw.) M.Fleisch.				●	●								●	●		●	○		●					●	●			●				●						
Campylopus Brid. (Leucobryaceae)																																						
<i>atrovirens</i> De Not.	●			●									●	●					●						●			(○)		●						●		
<i>brevipilus</i> Bruch & Schimp.			●			●		●			●		●	●					●					●*			●		●	●*					○*			
<i>cygneus</i> (Hedw.) Brid.			●																					●*														
<i>flaccidus</i> Renault & Cardot			●																																			
<i>flexuosus</i> (Hedw.) Brid.			●	○			●				○*		●	●			○		●					●	○			●								●*		
<i>fragilis</i> (Brid.) Bruch & Schimp.			●				●	●					●	●					●			●*		●	○		●		●			●				●*		
<i>gracilis</i> (Mitt.) A.Jaeger								●*									○		●													●					●*	
<i>incrassatus</i> Müll.Hal.			●																					●														
<i>introflexus</i> (Hedw.) Brid.			●			●	●*	●*			○*		●	●					●				○*	●			●		●*					●*	●*		●*	
<i>oerstedianus</i> (Müll.Hal.) Mitt.								●					●	●				●																				
<i>pilifer</i> Brid.			●			●*	●	●					●	●					●					○*	●			●		●	●					+	●	
<i>pyriformis</i> (Schultz) Brid.			●										●	●				○		●				●	●			●		●		●	(○)					

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR	GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR
<i>schimperii</i> Milde													●	●				●													○			
<i>setifolius</i> Wilson													○*																					
<i>shawii</i> Wilson		○	●																															
<i>subulatus</i> Schimp. <i>ex</i> Milde			●*							○*			●	●				●				●*				●	●			●				+
<i>Campylostelium</i> Bruch & Schimp. (Ptychomitriaceae)																																		
<i>pitardii</i> (Corb.) E.Maier						●	●		●*	●			●	●	●*		●	●*			○					●*			●*			●		+
<i>saxicola</i> (F.Weber & D.Mohr) Bruch & Schimp.													●	●		○		●													●			
<i>strictum</i> Solms							●	○*			○*		○	○				○*				○				●								
<i>Catoscopium</i> Brid. (Catoscopiaceae)																																		
<i>nigratum</i> (Hedw.) Brid.													●	●				●												●				
<i>Ceratodon</i> Brid. (Ditrichaceae) [5]																																		
<i>conicus</i> (Hampe) Lindb.					○		●	●	(●) [172]				[230]	●		○		●				○*		○					●	●				○
<i>purpureus</i> (Hedw.) Brid. [5]	●	○		●	●			●	●	●	●	●*	●	●	●	●	●	●				●	[4]	●	●		●	●	●	●	●	●	○	
subsp. <i>purpureus</i>			●			●*	●						●	●			○					●				●		●	●	●	●			●
subsp. <i>stenocarpus</i> (Bruch. & Schimp. <i>ex</i> Müll.Hal.) Dixon			●*				○		[172]		○		[230]	●	(●) [172]			●				○*	(○)				(○)		●	○				●*
<i>Cheilothela</i> Broth. (Ditrichaceae)																																		
<i>chloropus</i> (Brid.) Broth.		○	○	●	●	●	●	●	●	●	○		●	●	●	○	●	●			○	○	(○) [299]	●*		●	○	●	●				○	●
<i>Cinclidium</i> Sw. (Mniaceae)																																		
<i>stygium</i> Sw.				●										●				●																
<i>Cinclidotus</i> P.Beauv. (Pottiaceae)																																		
<i>aquaticus</i> (Hedw.) Bruch & Schimp.		○		●	●	●			●		●		●	●	●	●	●	●		○				●	●		●	○	●	○	●	+	●	
<i>bistratosus</i> Kürschner & Lüb.- Nestle [14]																																		●
<i>confertus</i> Lüth															●*																			[14]
<i>danubicus</i> Schiffn. & Baumgartner													[231]	●	(●) [253]	○	[267]	●														●		●*
<i>fontinaloides</i> (Hedw.) P.Beauv.		○		●	●	● [150]	●*	●	●*		●		●	● [150]	●	●	●	●		○*		●	●	●	●	●	●	●	●	●	●	●*		●
<i>pachyloma</i> E.S.Salmon [14]																	●			○ [275]											[275]		●	
<i>pachylomoides</i> Bizot																					○										+		●*	
<i>riparius</i> (Host <i>ex</i> Brid.) Arn.		○		●	●	●			●*			●*	●	●	●	○	●	●		○*		○		●	●	●	●	●	●	●	●			●
<i>vardaranus</i> Erdağ & Kürschner [14]																																		●
<i>vivesii</i> Ederra													●*																					[14]
<i>Cirriphyllum</i> Grout (Brachytheciaceae)																																		
<i>crassinervium</i> (Taylor) Loeske & M.Fleisch.		○		●	●	●	●	●	●		●*		●	●	●	●	●	●				●*	●	●	●	●	●	●	●	●	●	●	●*	●
<i>piliferum</i> (Hedw.) Grout			●	●	●						○*		●	●	●*	○		●				○*		●	●*		○			●			●	
<i>Claopodium</i> (Lesq. & James) Renauld & Cardot (Leskeaceae)																																		
<i>whippleanum</i> (Sull.) Renauld & Cardot								+					●	●*								●				●		●						

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
Cleistocarpidium Ochyra & Bednarek-Ochyra (Ditrichaceae)																																				
<i>palustre</i> (Bruch & Schimp.) Ochyra & Bednarek-Ochyra													(○)* [422]	●			○																	●		
Climacium F.Weber & D.Mohr (Climaciaceae)																																				
<i>dendroides</i> (Hedw.) F.Weber & D.Mohr	●	●*		●	●			●*					●	●		●	○		●						●	●		●	●				●			●
Cnestrum I.Hagen (Dicranaceae)																																				
<i>alpestre</i> (Wahlenb. ex Huebener) Nyholm ex Mogensen														○					○																	
<i>schisti</i> (F.Weber & D.Mohr) I.Hagen																			○															○		
Conardia H.Rob. (Amblystegiaceae)																																				
<i>compacta</i> (Drumm. ex Müll.Hal.) H.Rob.								+	*				●	●		●			●				○*				●						○			
Conostomum Sw. ex F.Weber & D.Mohr (Bartramiaceae)																																				
<i>tetragonum</i> (Hedw.) Lindb.													●	●					●																	
Coscinodon Spreng. (Grimmiaceae)																																				
<i>cribrosus</i> (Hedw.) Spruce	●*	○		○	●		●	●		●	○*		●	●		●*			●				○*		●		●	●	○	●	●					●
<i>humilis</i> Milde																																				
Cratoneuron (Sull.) Spruce (Amblystegiaceae)																																				
<i>curvicaule</i> (Jur.) G.Roth								+	*				(○)*	●		●*			●														○*			
<i>filicinum</i> (Hedw.) Spruce	●	○		●	●	●	●	●	●	●	●		●	●		●	●	●	●		○*		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Crossidium Jur. (Pottiaceae) [15]														[15]	[15]																					
<i>aberrans</i> Holz. & E.B.Bartram								●*			●	●	●	●				(●)*	●*	●*			●											●*		
<i>crassinervium</i> (De Not.) Jur. [16]				●*	●	●		●	●	●	●	●	●	●		●		●	●	●		○	●	○		○*	●	●	●	●	●		○*	●	●*	
<i>davidai</i> Catches.								●																												
<i>geheebii</i> (Broth.) Broth.								●					●					●*																		
<i>laevipilum</i> Thér. & Trab.						●					○	●	●					●		●			●													●
<i>laxefilamentosum</i> W.Frey & Kürschner													●*														●					●*				●
<i>squamiferum</i> (Viv.) Jur. [16]		○		○		●	●	●	●	●	●	●	●	●		●	○						○	●	●	●	●	●	●	●	●	○		●		●
var. <i>squamiferum</i>				●									●	●		●		●	●	●	○												○		●	
var. <i>pottioideum</i> (De Not.) Mönk.				○							●	●*	●	●		○*		●	●	●	○	○	○									●	○	●		
Cryphaea (Cryphaeaceae)																																				
<i>heteromalla</i> (Hedw.) D.Mohr			(●)		●*	●	●*	+	*	●		●	●	●		●	●		●				●	(+) [300]	○		●		●*	●	○		●*	●		
Ctenidium (Schimp.) Mitt. (Hylocomiaceae)																																				
<i>molluscum</i> (Hedw.) Mitt.	●	○	●	●	●	●	+	*	●	●		●	●	●		●	●		●				●	●	●	●	●	●	●	●	●				●	
Cyclodictyon Mitt. (Pilotrichaceae)																																				
<i>laetevirens</i> (Hook. & Taylor) Mitt.			●				●*						●	(○)*										●					○*							

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR			
Cynodontium Bruch & Schimp. (Rhabdoweisiaceae)																																						
<i>bruntonii</i> (Sm.) Bruch & Schimp.			(+)*	○	●		●	●			○*		●	●		●			●			○			●		●	●	●	●	○					●		
<i>fallax</i> Limpr.	●*				○									●					●									●*				○						
<i>gracilescens</i> (F.Weber & D.Mohr) Schimp.													●*	○					●									●	●									
<i>jenneri</i> (Schimp.) Stirt.																												●									●*	
<i>polycarpon</i> (Hedw.) Schimp.				○	●			●*					●	●			○		●						●	○		(○)	●	○		○				●*		
<i>strumiferum</i> (Hedw.) Lindb.				○									●	●					●									●				●				●*		
<i>tenellum</i> (Schimp.) Limpr.				○										○					●									●				○					+*	
Cyrtomnium Holmen (Mniaceae)																			[273]																			
<i>hymenophylloides</i> (Huebener) T.J.Kop.				○										●			●*		●						○	○			●			●						
Daltonia Hook. & Taylor, <i>nom. cons.</i> (Daltoniaceae)																																						
<i>splachnoides</i> (Sm.) Hook. & Taylor				[121]																					●													
<i>stenophylla</i> Mitt.				●																					[301]												+	
Dendrocryphaea Paris & Schimp. <i>ex Broth.</i> (Cryphaeaceae)																																						
<i>lamyana</i> (Mont.) P.Rao													●	○					○*										●									
Dialytrichia (Schimp.) Limpr. (Pottiaceae)																																						
<i>mucronata</i> (Brid.) Broth.		○	○	○	●	●	●	●	●		○	●*	●	●		●	●	●	●	○*				●	●	●	○		●	●	●	○		●	●			
<i>saxicola</i> (Lamy) M.J.Cano [17]													●	●											○*			●										
																									[361]													
Dichelyma Myrin (Fontinalaceae)																																						
<i>capillaceum</i> (L. <i>ex</i> Dicks.) Myrin																																						
<i>falcatum</i> (Hedw.) Myrin					●*								●*	●										○*														
Dichodontium Schimp. (Rhabdoweisiaceae)																																						
<i>flavescens</i> (Dicks.) Lindb.													(●)	●										○*									●			○		
<i>palustre</i> (Dicks.) M.Stech	●	●*			●			●					●	●		(○)*	○		●								○		●			●				●		
<i>pellucidum</i> (Hedw.) Schimp.	●*	○	[122]	●	●			●				●	●	●		●	○		●					●	●	●	●*	●	●*	●	●					●		
Dicranella (Müll.Hal.) Schimp. (Dicranaceae)																																						
<i>campylophylla</i> (Taylor) A.Jaeger																									(+)												[302]	
<i>cerviculata</i> (Hedw.) Schimp.				○	+									●													●		●				●					
<i>crispa</i> (Hedw.) Schimp.														●																								
<i>grevilleana</i> (Brid.) Schimp.													●	●											●		●										[337]	
<i>heteromalla</i> (Hedw.) Schimp.	●*	○	●	●	●		●	●	●*		●		●	●		●	○		●		●		●	●	●	○		●	●	●*	●	●				●	●	
<i>howei</i> Renaud & Cardot		●*	●	○	●	●	●	+	●	●	●		●	●		●	○	●			○	○	●	●	●		●	●	●*	●	●					+*	●	
<i>humilis</i> R.Ruthe					●*									●										○	●			●	○	○*	○							
<i>rufescens</i> (Dicks.) Schimp.		●*			●			●*	●*			●*	●	●		●*	○		●					○	●*	○		●	○		●*	○					●*	
<i>schreberiana</i> (Hedw.) Dixon			●	○	●			●*					●	●		●	●		●						○	●*	○		●	○		●	○					
<i>staphylina</i> H.Whitehouse					●*		(+)*						●	●											●*			●										
<i>subulata</i> (Hedw.) Schimp.			+*	○	●								●	●		○*	○		●								○		●	●	○		●				○*	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
<i>Drepanocladus</i> (Müll.Hal.) G.Roth (Amblystegiaceae) [411]																																					
<i>aduncus</i> (Hedw.) Warnst.	●	○		○	●	●		●	●*		● [192]	○*	●	●		●	●		●			(○)* [192]	○ [192]	●	●		●	●	○*	○*	○				●		
<i>longifolius</i> (Mitt.) Paris					●*																															(○)*	
<i>lycopodioides</i> (Brid.) Warnst.														●					○									●							●*		
<i>polygamus</i> (Schimp.) Hedenäs					●								●	●									○		●	●*		●	●		●	○			●		
<i>sendneri</i> (Schimp. ex H.Müll.) Warnst.	[115]			●	●								[115]	●									○*					○	○*		○						
<i>trifarius</i> (F.Weber & D.Mohr) Broth. ex Paris					●									●		○			●							●		○				●			●*		
<i>turgescens</i> (T.Jensen) Broth.														●					●						○							●					
<i>Echinodium</i> Jur. (Echinodiaceae)																																					
<i>renauldii</i> (Cardot) Broth.				●																																	
<i>setigerum</i> (Mitt.) Jur.																									●												
<i>spinosum</i> (Mitt.) Jur.			[124]					●																	●												
<i>Encalypta</i> Hedw. (Encalyptaceae) [21] [385]													[385]																[21]		[385]						
<i>affinis</i> R.Hedw.				○									●	●		●*			●						●			○				●					
subsp. <i>affinis</i>														●																							
<i>alpina</i> Sm.		○			●								●	●		●*			●				○*		●	●		○			●				●		
<i>brevipes</i> Schljakov														(○)																							
<i>ciliata</i> Hedw.	●	○		○	●			●					●	●		●	○		●					●	●		●	●	○*	●	●		○*		●		
<i>intermedia</i> Jur.												●		(●)						●*														○*		○	
<i>longicolla</i> Bruch														●					●														○				
<i>microstoma</i> Bals.-Criv. & De Not.					●								●	●		●*			●						●*	●*		●								●*	
<i>rhaptocarpa</i> Schwägr.	●	○		○									●	●		○	○	●					●		●	●		●				○	●	+		●	
var. <i>rhaptocarpa</i>					●								●	●					●	●	○*									●	●					●	
var. <i>leptodon</i> Lindb.											○			○					○			○*	○								○			○*		+	
<i>spathulata</i> Müll.Hal.	●					●*							●	●		(○)*			●							○		●							●*		
<i>streptocarpa</i> Hedw.		○		●	●	●	●	●	●				●	●		●	●		●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<i>vulgaris</i> Hedw.	●	○		○	●	●	●	●	●	●	● [193]	●	●	●		●	●	●	●	●	●	●	○	● [193]	●	●	●		●	●	●	●	●	○	●	●	
<i>Entodon</i> Müll.Hal. (Entodontaceae)																																					
<i>cladorrhizans</i> (Hedw.) Müll.Hal.													●	○					●																	●	
<i>concinus</i> (De Not.) Paris				○	●								●	●				●							●			(○)	●		○*	●				●	
<i>schleicheri</i> (Schimp.) Demet.				●										●			○		●													●				●	
<i>Entosthodon</i> Schwägr. (Funariaceae) [22] [23]												[22] [209]		[23]																							
<i>angustifolius</i> Jur. & Milde [24]																				● [24]			○ [24]													● [24]	
<i>attenuatus</i> (Dicks.) Bryhn			●			●	●	●	●	○	●	●	●			●	●	●	●	●	○		●	●	○		●	●	●	●	●	●	●	●	●*	○*	+
<i>commutatus</i> Durieu & Mont. [25]									●*		○		●			(●)*								●	●			●	●	●	●	●	●	●	●	○*	+
<i>convexus</i> (Spruce) Brugués			[125]		●	●	●	●	●	●	●	●	●	●							○*			●	●		○	●	○	●	●			○*	●		
<i>duriaei</i> Mont. [407]					●	○*	●*	●	●	●	●	●	●	●									○	○			●									●	
<i>fascicularis</i> (Hedw.) Müll.Hal.			(●)*	○	●		●*	○*			○	●	●	●		●	○	●	●	●*	●*		○	●		○	○*	●	●	●	●	●	●			●	
<i>handelii</i> (Schiffn.) Laz. [26]												●*							●																	○*	
<i>hungaricus</i> (Boros) Loeske [27]							●*				○*		●			●		●						●				●*	●		●						
<i>kroonkurk</i> Dirke & Brugués [28]							● [28]						●*																								●*
<i>mouretii</i> (Corb.) Jelenc													●	●*		●*								●					●							●*	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
Fabronia Raddi (Fabroniaceae) [33]											[33]																										
<i>ciliaris</i> (Brid.) Brid.					○								●	(○)				●	●	●					(+) [304]					●		(○)		○*	●		
<i>gueinzii</i> Hampe [34]																							○ [34]														
<i>pusilla</i> Raddi					●	●	●	●	●*	●	●		●	●		●	○	●	●	●*		●*	●	●	●	○		●		●	●	(○)		●	●		
Fissidens Hedw. (Fissidentaceae) [35][36]														[35]										[305]							[339]						
<i>adianthoides</i> Hedw.	●*		(●) [127]	○	●		(○)	●			○		●	●		●	●	+	●				○	●	●*	○		●	●	●	●	●			●		
<i>arnoldii</i> R.Ruthe					●*						○*	●		●			○	●		●													●*		●*		
<i>asplenioides</i> Hedw.			●				○									(●) [254]								●				●									
<i>azoricus</i> (P.de la Varde) Bizot			○*																																		
<i>bryoides</i> Hedw.		○	●	●	●	●	●		●		●	●	●	●		●	○	●		●	●*		○	●	●	●	●*	●	●		●	●		○	●		
<i>var. bryoides</i>								●					●	●		●			●											●	●						
<i>var. caespitans</i> Schimp.								●*			●		●	●					●				○	○*			●			●					●		
<i>coacervatus</i> Brugg.-Nann.			●				●																	●													
<i>celticus</i> Paton																																					
<i>crassipes</i> Wilson ex Bruch & Schimp.			(●) [127]	○			●	●	●		●	(○)	●	●		●	○						●	●	○			●	●		●	●		●			
<i>subsp. crassipes</i>			(●)		●	(●)*			+				●	●		●		●	●	●*		○*							●						●		
<i>subsp. warnstorffii</i> (M.Fleisch.) Brugg.-Nann.			(●)		●	●	●		●		●	●	●	●		●		●	●	●		○	○	●	●			●		●					●		
<i>crispus</i> Mont.			●	○	●*	●*	●	●*	●	●	●	●	●	●		●	○	●	●	●			○	●	●	○		●	○	●	●	●			●		
<i>curvatus</i> Hornsch.			○*				●	●*	●		○		●	●		●	○		○				●	●	○			●		●				○*	+		
<i>dubius</i> P.Beauv.	●*	●	●	●	●	●	●	●	●	●	●		●	●		●	●		●				●	●	●	●		●	●	●	●	●			+		
<i>exiguus</i> Sull.									●*										●																	+	
<i>exilis</i> Hedw.				○	●	[151]	●				○		●	●			○		●						○			●	●		●*	●			●		
<i>fontanus</i> (Bach.Pyl.) Steud.					●	●					○	+	●	●				●	●				○	○				●	●		●*	●			●*		
<i>gracilifolius</i> Brugg.-Nann. & Nyholm					●	●		●*	●				●	●		●	○		●					●			●*	○	●		●	●				+	
<i>grandifrons</i> Brid.	●*										○		●	●									○					○*									
<i>gymnandrus</i> Buse				○								●*		●		●*	○		●						●										●		
<i>jansenii</i> Sérgio & Pursell																													●*								
<i>microstictus</i> Dixon & Luisier																									●												
<i>monguillonii</i> Thér.			○*										●	●											+											●*	
<i>nobreganus</i> Dixon & Luisier																									●												
<i>osmundoides</i> Hedw.	●*		[128]		●			○*					●	●			○		●									(●)				○				●*	
<i>ovatifolius</i> R.Ruthe			[129]			●	●	●	●		●		●	●		●*	○		●					●	●*			●		●	●						
<i>polyphyllus</i> Wilson ex Bruch & Schimp.								●					●	●					●					●				●								●*	
<i>pusillus</i> (Wilson) Milde			●*	○	●	●		○*	●		●		●	●		●	○	●	●			○	○	○	●	●*		●	●	●	●*		●		○	●	
<i>rivularis</i> (Spruce) Schimp.			●	○	●	●*	●	●*	●		○*		●	●		●			●					●*	●			●	●		●					●	
<i>rufulus</i> Bruch & Schimp.						[151]					○		●	●			○		●				○*			○		○	●*		(○)					●*	
<i>serratus</i> Müll.Hal.			●				●																														
<i>serrulatus</i> Brid. [36]			●				●	●			○		●	●		●	○		●					●	●	○		●	●	●*	●*	○		●	●		
<i>sublimbatus</i> Grout							●																	●	●*												
<i>sublineaeifolius</i> (P.de la Varde) Brugg.-Nann.			●																					●													
<i>taxifolius</i> Hedw.		●	●	●	●	●	●	●	●	●	●		●	●		●	●							●	●	●	●	●*		●		●	●		●		

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR			
Hennediella Paris (Pottiaceae)																																						
<i>heimii</i> (Hedw.) R.H.Zander [9]				○									●*	●					○									○				●			●			
<i>stanfordensis</i> (Steere) Blockeel												●*		●*		●*																						
Herzogiella Broth. (Hypnaceae)																																						
<i>seligeri</i> (Brid.) Z.Iwats.	●	○		●	●			●			○*		●	●		●	○		●						●	●						●			●			
<i>striatella</i> (Brid.) Z.Iwats.			(●)										●	●					○														●					
Heterocladium Schimp. (Pterigynandraceae)																																						
<i>dimorphum</i> (Brid.) Schimp.	●			●	●			●					●	●		●	○		●						●	●		○	●		●				●			
<i>flaccidum</i> (Schimp.) A.J.E.Sm.			●*					●*					●	●																								
<i>heteropterum</i> (Brid.) Schimp.			●	○	●		(●)*	●					●	●			○		●		●*			●	●*		●	●	●*	○*	○				●			
<i>wulfsbergii</i> I.Hagen			●				●						●	●										●				●										
Heterophyllum (Schimp.) Kindb. (Pylaisiadelphaceae)																																						
<i>affine</i> (Hook.) M.Fleisch.														(○)					●																			
Hilpertia R.H.Zander (Pottiaceae)																																						
<i>velenovskiyi</i> (Schiffn.) R.H.Zander					●*																																	
Homalia Brid. (Neckeraceae)																																						
<i>lusitanica</i> Schimp.			(●)			●	●	●			●		●	●		●	○		●				○	●	○		●		●	●				○	●			
<i>trichomanoides</i> (Hedw.) Brid.			[135]	○	●						●		●	●		●	○		●				(○) [300]		○		○	●				●				●		
<i>webbiana</i> (Mont.) Schimp.			●				●						○*											●	●											+*		
Homalothecium Schimp. (Brachytheciaceae)																																						
<i>aureum</i> (Spruce) H.Rob.		○			●	●	●	●	●	●	●		●	●		●	○	●	●	●	●	○	○	●	●		●*		●	●	●	●		○*	●	●		
<i>lutescens</i> (Hedw.) H.Rob.	●	○	[136]	●	●	●		●*	●		●		●	●		●	●	●					○	(+) [300]	●	●		●	●		●	●		○*				
var. <i>lutescens</i>							○						●	●		●		○											○	●					●			
var. <i>fallax</i> H.Philib. ex Schimp.									○*				●	●		●		○*		●															●			
<i>philippeanum</i> (Spruce) Schimp.		○		●	●			●	●	●	●	[196]	●	●		●	○	●	●	●	○*	○	●		●	●		●	●	●	●	●	(○) *	○	●			
<i>sericeum</i> (Hedw.) Schimp.	●	○	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	[355]	●	●		
Homomallium (Schimp.) Loeske (Hypnaceae)																																						
<i>incurvatum</i> (Schrad. ex Brid.) Loeske			(●) [137]	○	●			●*					●	●		●	○		●						●	●		●	●				●			●		
Hookeria Sm. (Hookeriaceae)																																						
<i>lucens</i> (Hedw.) Sm.			●	○				●					●	●			○		●					●				●	●					○*	●			
Hygroamblystegium Loeske (Amblystegiaceae)																																						
<i>fluviatile</i> (Hedw.) Loeske [46]			●*	○	●						○		●	●		(○)*			●				●	●	●	○			●	●				●	●			
<i>tenax</i> (Hedw.) Jenn. [46]			●	○	●	(●)	●		●		●		●	●		●	○	●	●	●	○*		○	●	●	●		○	●	●	●	●	●	○*		●		
<i>varium</i> (Hedw.) Mönk.		○	●	●	●	●*	●	●*			○	●	●	●		●	●	●	●				○*	●	●	○		●	●		●	●	●	●		●		

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
subsp. <i>varium</i>																●																					
var. <i>humile</i> (P.Beauv.) Vanderp. & Hedenäs [46]			(○) [138]	○	●								●	●		●*			●					●		●*	[388]	●			●	●				●	
<i>Hygrohypnum</i> Lindb. (Amblystegiaceae)																																					
<i>alpestre</i> (Hedw.) Loeske														(●)		(○)*			○																		
<i>alpinum</i> (Lindb.) Loeske														●					○																		
<i>cochlearifolium</i> (Venturi) Broth.													○*	●					●																		
<i>duriusculum</i> (De Not.) D.W.Jamieson	●			●	●			●					●	●		●*			●					●	●*			●				●				●*	
<i>eugyrium</i> (Schimp.) Broth.				●				○*					●	●		(+)*								●									●			●	
<i>luridum</i> (Hedw.) Jenn.	●	○	●	●	●	●		●*					●	●		●	○		●					●	●		(○) [325]	●		○*	●				●		
<i>molle</i> (Hedw.) Loeske								●					●	●					●						(○)			○			○						
<i>norvegicum</i> (Schimp.) J.J.Amann					●																																
<i>ochraceum</i> (Turner ex Wilson) Loeske	●			●				●					●	●					●					●			●										
<i>polare</i> (Lindb.) Loeske														●					●*																		
<i>smithii</i> (Sw.) Broth.					●								●	●					●																	●*	
<i>styriacum</i> (Limpr.) Broth.													●*																								
<i>Hylocomiastrum</i> Broth. (Hylocomiaceae)																																					
<i>pyrenaicum</i> (Spruce) M.Fleisch.	●			○	●								●	●					●					○	●			○			○					●	
<i>umbratum</i> (Hedw.) M.Fleisch.	●*												●	●					●									○				●					
<i>Hylocomium</i> Schimp. (Hylocomiaceae)																																					
<i>splendens</i> (Hedw.) Schimp.	●	○	●	●	●	●*	+*	●			○*		●	●		●	○		●				○*	●*	●	●		●	●		○*	●			●		
<i>Hymenoloma</i> Dusén (Rhabdoweisiaceae) [18]																																					
<i>compactum</i> (Schleich. ex Schwägr.) Ochyra					●*									●					●																(○)		
<i>crispulum</i> (Hedw.) Ochyra	●	○	● [139]	○	●			●	●*	●*	●		●	●		●	○		●				●	●	○		●	○	●	●					●		
<i>mulahaceni</i> (Höh.) Ochyra [47]													● [47]																								
<i>Hymenostylium</i> Brid. (Pottiaceae) [403]														[403]																							
<i>hildebrandtii</i> (Müll.Hal.) R.H.Zander [48]																							●*														
<i>recurvirostrum</i> (Hedw.) Dixon		○		○	●	(●)	[395]	+*			○*	●	●	● [395]		●	○	●					●	●*	●					●	○						
var. <i>recurvirostrum</i>																●			●		○*		○													●	
var. <i>insigne</i> (Dixon) E.B.Bartram													●																								
<i>Hyocomium</i> Bruch & Schimp. (Hypnaceae)																																					
<i>armoricum</i> (Brid.) Wijk & Margad.			●					○*					●	●									●*	●			●									●	
<i>Hyophila</i> Brid. (Pottiaceae) [49]												[209]																									
<i>involuta</i> (Hook.) A.Jaeger														●					●															[340]	(○)		●*

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
Hypnum Hedw. (Hypnaceae)												[209]				[266]						[281]															
<i>andoi</i> A.J.E.Sm.	●*		(●) [140]	●			● [140]		+				●	●		●			●						●*		●	●	●*	●	●					●	
<i>bambergeri</i> Schimp.				○	●*									●			○		●					●	●							●			●*		
<i>callichroum</i> Brid.	●				●								●	●					●					●	●		●					●			●		
<i>cupressiforme</i> Hedw.	●	●	●	●		●	●	●	●	●	●		●	●		●	●						●	●	●	●	●	●	●	●	●	●	○*	●		●	
var. <i>cupressiforme</i>					●	●			●	●	●		●	●		●					○		○						●	●	●	●		○		●	
var. <i>filiforme</i> Brid.						●*	○		●*				●	●		●							○													●	
var. <i>heseleri</i> (Ando & Higuchi) M.O.Hill														●*																							
var. <i>lacunosum</i> Brid.	●			●	●	●	○		●		●		●	●		●						○*	○	●	●	●*		●	●	●	●	●		○		●	
var. <i>resupinatum</i> (Taylor) Schimp.			●	●			○	●*	●*				●	●		●*			●				●	●	●*		●	●	●	●	●					●	
var. <i>subjulaceum</i> Molendo					●		○				○		●	●		(●) [255]			●																	●*	
<i>fertile</i> Sendtn.				○	●								●	●		○*	○								●								●			●	
<i>hamulosum</i> Schimp.								○*					●	●					●					●*				●				○				●	
<i>imponens</i> Hedw.			●	○							●		●*	●				○		●					●*		●	○			●	●				●	
<i>jutlandicum</i> Holmen & E.Warneke			●	●	●		●				(○)*	●	●	●		●	○		●					●	●	●*		●	●	●	●	●					●
<i>pallescens</i> (Hedw.) P.Beauv.				●	●								●	●		○*	○						○*	○	●			○								●	
<i>procerrimum</i> Molendo	●*			○	○								●	●			○		●									●*		●*	●					●	
<i>recurvatum</i> (Lindb. & Arnell) Kindb.					●*								●	●		●*			●					●	○			○				●				●*	
<i>revolutum</i> (Mitt.) Lindb.				●	●								●	●			○							●	●			○				●				○	
var. <i>revolutum</i>													●	●					●																		
var. <i>dolomiticum</i> (Milde) Mönk.								●*					○	●					●																		
<i>sauteri</i> Schimp.					●									●					●						●*									●			
<i>uncinulatum</i> Jur.			●				●				[377]		●*	(○)*									[377]	●				●							●		
<i>vaucheri</i> Lesq.	●			●	●	●							●	●			○		●				●	●	●	●		●	●*	●	●					●	
Hypopterygium Brid. (Hypopterygiaceae Mitt.)																																					
<i>tamarisci</i> (Sw.) Brid. ex Müll.Hal.														○					●*									●									[326]
Imbricium N.Pedersen (Bryaceae) [10]																																					
<i>alpinum</i> (Huds. ex With.) N.Pedersen	●	●	●	○	●	●	●	●	●	●	○	●	●	●		●	○		●		○		●	●	●	●		●	●	●	●	○	(○) [356]	○ [286]		●	
<i>mildeanum</i> (Jur.) J.R.Spence [10]	●*		●	○	○			○*			○		●	●		○*	○		●		○*		●	●			○*	●		●	●	○	[357]				●
Isopterygiopsis Z.Iwats. (Hypnaceae)																																					
<i>muelleriana</i> (Schimp.) Z.Iwats.	●				●								●	●					●										●*			●					●
<i>pulchella</i> (Hedw.) Z.Iwats.	●		●*	●	●	●*		●*			○*		●	●		●	○		●				(●)	●	●*		(●)*	○		●	●				○*		●
Isopterygium Mitt. (Pylaisiadelphaceae)																																					
<i>tenerum</i> (Sw.) Mitt.			●										○*						●																		
Isothecium Brid. (Lembophyllaceae)																																					
<i>algarvicum</i> W.E.Nicholson & Dixon							●						●											●				●									
<i>alopecuroides</i> (Lam. ex Dubois) Isov.	●*	○	●	●	●	●	+	●			●		●	●		●	○		●				●		●	●		●	●	●	●	●	○*				●

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
<i>holtii</i> Kindb.													●	●																						●*	
<i>myosuroides</i> Brid.			●	●	●		●	●			○		●	●		●	○		●				●	●	●											●	
subsp. <i>myosuroides</i>							●						●	●		●																				●	
subsp. <i>brevinerve</i> Lindb.							●																													●	
var. <i>brachythecioides</i> (Dixon) Braithw.													●	(●)																						●	
<i>prolixum</i> (Mitt.) M.Stech, Sim-Sim, Tangney & D.Quandt [50]			● [50]																				● [50]														
<i>Kiaeria</i> I.Hagen (Rhabdoweisiaceae)																																					
<i>blyttii</i> (Bruch & Schimp.) Broth.			○* [397]		●								●	●					●																		
<i>falcata</i> (Hedw.) I.Hagen	[115]				+								[115]	●										●	○			(●)						●			
<i>starkei</i> (F.Weber & D.Mohr) I.Hagen	●			○	●			●					●	●																							●
<i>Kindbergia</i> Ochyra (Brachytheciaceae)																																					
<i>praelonga</i> (Hedw.) Ochyra	●*	○	●	●	●	●	●	●	●	○*	●		●	●		●	○		●				●	●	●	●	●*	●	●	●	●	●	●	●*	●	●	
<i>Leptobarbula</i> Schimp. (Pottiaceae)																																					
<i>berica</i> (De Not.) Schimp.			●			●			●	●		●*	●	●		●	○	●	●		●		●	●				●	●							●	●
<i>Leptobryum</i> (Bruch & Schimp.) Wilson (Meesiaceae)																																					
<i>pyriforme</i> (Hedw.) Wilson			●	○	●	(○)*	●	●		(○)*	○*	●	●	●		●	○	●	●		○*		○*	●		○		●	●		●	○				●	
<i>Leptodictyum</i> (Schimp.) Warnst. (Amblystegiaceae) [51]																																				[51]	
<i>riparium</i> (Hedw.) Warnst.		○	●	○	●	●	●	●	●		○	●	●	●		●	●	●	●		●		●	●	●	●	●	●	●	●	●	●	●	[358]	○*	●	
<i>Leptodon</i> D.Mohr (Leptodontaceae)																																					
<i>corsicus</i> Enroth, Sotiaux, D.Quandt & Vanderp. [52]								●						[52]																							
<i>longisetus</i> (Mont.) Enroth [53]							●																	●													(+)
<i>smithii</i> (Hedw.) F.Weber & D.Mohr	●	●		○	●	●	●	●	●	●	●		●	●		●	●	●	●	●	○	○*	●	●	●	○		●	●	●	●	○		●	●		
<i>Leptodontium</i> (Müll.Hal.) Lindb. (Pottiaceae)																																					
<i>flexifolium</i> (Dicks.) Hampe													●	●										●*				●*									
<i>gemmascens</i> (Mitt.) Braithw.														●																							
<i>styriacum</i> (Jur.) Limpr.																			○*																		
<i>Leptophascum</i> (Müll.Hal.) J.Guerra & M.J.Cano (Pottiaceae)																																					
<i>leptophyllum</i> (Müll.Hal.) J.Guerra & M.J.Cano			●				●						●	●									●				●		●								
<i>Lescuraea</i> Schimp. (Pseudoleskeaceae) [408]																																					
<i>incurvata</i> (Hedw.) E.Lawton	●	●		●	●	●		●	●*				●	●		●	○		●				●		●	●		●	●	●	●	●	●			●	[384]
<i>mutabilis</i> (Brid.) Lindb. ex I.Hagen	○*			●	●		+	*			○		●	●		●*	○		●					(+) [300]	●	●		●			○	●				○*	
<i>patens</i> Lindb.	●			○			●						●	●														●	●	○*		○				●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
<i>plicata</i> (Schleich. ex F.Weber & D.Mohr) Broth.		○		○	●								●	●		●	○		●						●	●			●						●*		
<i>radicosa</i> (Mitt.) Mönk.	●	○			●				●*				●	●		○*			●						●	●		○			●	●				●	
<i>saxicola</i> (Schimp.) Molendo	●				●								●	●		●	○		●						●	●*			●	●	○*	●				●	
<i>saviana</i> (De Not.) E.Lawton		○		○	●			●						●		●	○		●						●	●						●				●	
Leskea Hedw. (Leskeaceae)																																					
<i>polycarpa</i> Hedw.		○		●	●		+*		●*		○*		●	●		●	○		●						●	●		●	●	○*	●*	●				●	
Leucobryum Hampe (Leucobryaceae)																																					
<i>albidum</i> (P.Beauv.) Lindb. [409]			●				(●)							●																							
<i>glaucum</i> (Hedw.) Ångstr. [9]			●	○	●		(●)	●					●	●		○	○		●				●				○	○	●		[341]	●				●	
<i>juniperoideum</i> (Brid.) Müll.Hal. [409]			●		●*		●						●	●			●		●				●					●								●	
Leucodon Schwägr. (Leucodontaceae)																																					
<i>canariensis</i> (Brid.) Schwägr.			(●)					●																●													
<i>flagellaris</i> Lindb. ex Broth.																●*																				(+)	
<i>immersus</i> Lindb.																○*																				●	
<i>sciuroides</i> (Hedw.) Schwägr. [54]	●	○	●	●		●	●	●	●	●	●		●	●		●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>treleasei</i> (Cardot) Paris			(●)				●																●														
Loeskeobryum Broth. (Hylocomiaceae)																																					
<i>brevirostre</i> (Brid.) M.Fleisch.			●	○	●			●*			○*		●	●		(○)*	●		●					●				○								●	
Meesia Hedw. (Meesiaceae)																																					
<i>hexasticha</i> (Funck) Bruch																																					
<i>longiseta</i> Hedw.			○	●*												(○)*			○																	(○)	
<i>triquetra</i> (L. ex Jolycl.) Ångstr.			●	(○)									●	●		○*			●									○								●	
<i>uliginosa</i> Hedw.			○	●									●	●		●*	○		●					●	●											●	
Microbryum Schimp. (Pottiaceae)																																					
<i>curvicollum</i> (Hedw.) R.H.Zander					●	●					○		●	●		●	○	●	○								○*		●	●	○*					●	●
<i>davallianum</i> (Sm.) R.H.Zander					●	●	●	●	●	●	●	●*	●	●		●	○	●	●	●	○*	○	●	●	●	○	●	●	●	●	●	●	●	○	○	○	●
<i>floerkeanum</i> (F.Weber & D.Mohr) Schimp.				●*				●*			○*		●	●			○	●	●										●*		●						●
<i>fosbergii</i> (E.B.Bartram) Ros, O.Werner & Rams													●																●*								
<i>longipes</i> (J.Guerra, J.J.Martínez & Ros) R.H.Zander													●																								
<i>rectum</i> (With.) R.H.Zander						●		●	●		●		●	●		●	○	●*	●				○*		●		●	●									+*
<i>starckeanum</i> (Hedw.) R.H.Zander				+	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●	●	○	●	●	○	○	●	●	●	●	●	●	○	○	○	○	●
Microcampylopus (Müll.Hal.) M.Fleisch. (Leucobryaceae)																																					
<i>laevigatus</i> (Thér.) Giese & J.-P.Frahm			●					●*															○														
Microeurhynchium Ignatov & Vanderp. (Brachytheciaceae) [55]																																					
<i>pumilum</i> (Wilson) Ignatov & Vanderp.		●	●	○	●	●	●	●	●		●	●*	●	●		●	○		●		●*	(○)*	○	●	○	●		●	●	●	●	●	●				●

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
Micromitrium Austin (Pottiaceae)																																					
<i>tenerum</i> (Bruch & Schimp.) Crosby													●	●											○			●									
Mielichhoferia Nees & Hornsch. (Mniaceae)																																					
<i>elongata</i> (Hoppe & Hornsch. ex Hook.) Hornsch.													●	○					●														●*				
<i>mielichhoferiana</i> (Funck) Loeske	●*				○								●	●					●				●				●*				●*	○					
Mnium Hedw. (Mniaceae)																																					
<i>blyttii</i> Bruch & Schimp.					●																																
<i>hornum</i> Hedw.	●*		●	○				●	●*		○*		●	●			○	○		●				●	●		●	●	●	●	●	●	●	●	●	●	
<i>lycopodioides</i> Schwägr.	●*			○	●								●	●				(+)*	○		●				●	●		●	●	●	●	●	●	●	●	●	
<i>marginatum</i> (Dicks.) P.Beauv.				●	●	●		●*				●	●	●									○		●	●		(○)	●	●	●	●	●	○	●	●	
var. <i>marginatum</i>													●	●																							
var. <i>dioicum</i> (H.Müll.) Crundw.													○	●																							
<i>spinosum</i> (Voit) Schwägr.	●			●	●			●*					●	●											●	●		○			●	●	●	●	●	●	
<i>spinulosum</i> Bruch & Schimp.				●				●*					●	●				○		●	●*			●	●		●	●	●	●	●	●	●	●	●	●	●
<i>stellare</i> Hedw.	●*	○		●	●	(○)*		●				●	●	●					●	○			●	●	●	●	●	●	●	○*	●	●	●	●	●	●	
<i>thomsonii</i> Schimp.	●	○		●	●								●	●									○*	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Molendoa Lindb. (Pottiaceae)																																					
<i>hornschuchiana</i> (Hook.) Lindb. ex Limpr.														(○)					○*				○*	○													
<i>sendneriana</i> (Bruch & Schimp.) Limpr.														●												●*		○	○		○						
<i>taeniatifolia</i> Herzog														●																							
<i>tenuinervis</i> Limpr.														●					○*																		
Myrinia Schimp. (Myriniaceae)																																					
<i>pulvinata</i> (Wahlenb.) Schimp.														○					○*																		
Myurella Schimp. (Pterigynandraceae)																																					
<i>julacea</i> (Schwägr.) Schimp.	●	○		○	●								●	●										●	●		●			●	●	●	●	●	●	●*	
<i>sibirica</i> (Müll.Hal.) Reimers				○																○															●	●	●
<i>tenerima</i> (Brid.) Lindb.				○							○*			●										○										○			●
Myurium Schimp. (Myuriaceae)																																					
<i>hochstetteri</i> (Schimp.) Kindb.				●				●																●													
Neckera Hedw. (Neckeraceae) [2]																																					
<i>cephalonica</i> Jur. & Unger		●	○*					●					●											●													
<i>menziesii</i> Drumm.				●	●			●*	●*	●		○	●	●				○			○		●		●	●		○*	●	●*	●				●*	●	
<i>oligocarpa</i> Bruch																																					
<i>penmata</i> Hedw. [9]				○	●			+*						●										[308]	●	●		○	○*		●						
<i>pumila</i> Hedw.				○	●			●	●		○*		●	●									●	●	●	●*		●	●*	●	●	●	●	●	●	●*	●
Nobregaea Hedenäs (Brachytheciaceae)																																					
<i>latinervis</i> Hedenäs																								●													
Nogopterium Crosby & W.R.Buck (Leucodontaceae) [56]																																					
<i>gracile</i> (Hedw.) Crosby & W.R.Buck		○	●	○	●	●	●	●	●	●	●		●	●				●	○	●	●	○*	●	●	●	●	●	●	○	●	●	●	●	●	●	●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR		
<i>casasianum</i> F.Lara, Garilleti & Mazimpaka													●*																								
<i>consimile</i> Mitt.								+					●	●														●									
<i>consobrinum</i> Cardot [61]													●*																							●*	
<i>crenulatum</i> Mitt.														●																						●*	
<i>cupulatum</i> Hoffm. ex Brid.		○		○		●	●	●	●	●	●		●	●		●	○	●					●	●	●	●		●	●		●	●	○*	○			
var. <i>bistratosum</i> Schiffn.													●	●																			○*		○		
var. <i>cupulatum</i>					●				●				●	●		●		●	●	●									●	●						●	
var. <i>fuscum</i> (Venturi) Boulay														●				○*																+			
var. <i>riparium</i> Huebener						●		●*			●		●	●		●		○											○					+		●*	
<i>diaphanum</i> Schrad. ex Brid.		●	●	●	●	●	●	●	●	●	●		●	●		●	○	●	●	●	●	●	○	●	●	○	●	●	●	●	○			●	●		
<i>handiense</i> F.Lara, Garilleti & Mazimpaka							●																														
<i>hispanicum</i> F.Lara, Garilleti & Mazimpaka						●*							●	●		●*																				●*	
<i>ibericum</i> F.Lara & Mazimpaka								●*		●*			●										●					●									
<i>laevigatum</i> J.E.Zetterst.														○		●*														●						●	
<i>lyellii</i> Hook. & Taylor		●*			●	●	●	●	●	●	●		●	●		●	○		●		●		●	●	○	●		●	●	●	●	●	●		●	●	
<i>macrocephalum</i> F.Lara, Garilleti & Mazimpaka								●*		●*			●			●*							●								●*				●	●*	
<i>microcarpum</i> De Not.														(○)			○		●														○			●*	
<i>pallens</i> Bruch ex Brid.	●	●*		○	●	●*	●	●*					●	●		●	○		●			●	●	●	●		●	●	●	●	○				●		
<i>patens</i> Bruch ex Brid.				○	●		●*				○*		●	●		(○)*	○		●				●	●			●	●	○*		○				●		
<i>philibertii</i> Venturi						●				●	●*		●	●		●							●				●*	●	●	●					●		
<i>pulchellum</i> Brunt.									●*				●	●					●									●			○*	○			●		
<i>pumilum</i> Sw. ex anon.				○	●	●*	●	●*	●*	●*	○		●	●		●	○	●	●	●		●		●	○		[327]	●	●	●	●				●		
<i>rivulare</i> Turner													●	●		●										●		●							●		
<i>rogeri</i> Brid.													●	●		(○)*			●																●*		
<i>rupestre</i> Schleich. ex Schwägr.	●			●	●	●*	●	●	●	●	●	●*	●	●		●	○	●	●				●	●	●	●		●	●	●	●	●	●*	●	●	[378]	
<i>scanicum</i> Gronvall				○	○			●*					●	●		●	○		●				●					●	○		●	○				●*	
<i>schimperi</i> Hammar				○				●*	+		○		●	●		●	○		●		●*	●						●	○	●	●	○		●		●*	
<i>shawii</i> Wilson		○						●					●	●		●							●					●*								●*	
<i>sordidum</i> Sull. & Lesq.													●	●																						●*	
<i>speciosum</i> Nees	●	○		●		●		●*	●	●*	●		●	●		●	○		●				●	●	○		●	●		●	○				●		
var. <i>speciosum</i>					●											●																					
var. <i>brevisetum</i> F.Lara, Garilleti & Mazimpaka										●*			●										●														
<i>sprucei</i> Mont.													●	●														●*								●*	
<i>stellatum</i> Brid.				○	●								●	●			○		●										●							●*	
<i>stramineum</i> Hornsch. ex Brid.		○		○	●	●*		●		○*	○*		●	●		●	○		●			●		●	●		●	●	●	●	●	●				●*	
<i>striatum</i> Hedw.	●	○		●	●	●	●	●	●	(+)*	●		●	●		●	○	●	●	●*			●		●	●		●	●	●	●	●				●	
<i>tenellum</i> Bruch ex Brid.		●*	●	●	●	●	●	●	●	●	●		●	●		●	○		●				●	●			●	○	●	●					●		
<i>tortidontium</i> F.Lara, Garilleti & Mazimpaka										●*			●			●*							●													●	
<i>urnigerum</i> Myrin			[142]	●	○			●*			○		●	●		●			●				●					●	●							●	
<i>vittii</i> F.Lara, Garilleti & Mazimpaka													●	●*									●													●*	
<i>vladikavkanum</i> Venturi																																				●*	
<i>Oxyrrhynchium</i> (Schimp.) Warnst. (Brachytheciaceae)																																					
<i>hians</i> (Hedw.) Loeske		●	●	●	●	●	●	●	●	○*	●		●	●		●	○	●	●		○		●	●	●	●*	●	●	●	●	●	●	●	○*	○	●	[373]

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>schleicheri</i> (R.Hedw.) Röhl.	○*	○		●	●		●	●					●	●		●	○	●*	●		●*		●*	●	●	●	○	●	●	●	●	●	●		●	
<i>speciosum</i> (Brid.) Warnst.			●	●	●	●	●	○*	●	●*	●		●	●		●	○	●	●				●	●	●	●	●	●	●	●	●	●	●		●	
Oxystegus (Broth.) Hilp. (Pottiaceae) [62]																																				
<i>hibernicus</i> (Mitt.) Hilp. [62]														[247]																					(+)*	
<i>recurvifolius</i> (Taylor) R.H.Zander [62]																																			●*	
<i>tenuirostris</i> (Hook. & Taylor) A.J.E.Sm.				●	●*		○*	+*		○*			●	●		●		●	●		○*		●	●	●		●*	●	●	●	●				●	
var. <i>holtii</i> (Braithw.) A.J.E.Sm. [62]														[247]																					[379]	
Palamocladium Müll.Hal. (Brachytheciaceae)																																				
<i>euchloron</i> (Müll.Hal.) Wijk & Margad.																●*																			●	
Paludella Brid. (Meesiaceae)																																				
<i>squarrosa</i> (Hedw.) Brid.													[235]	●																						
Palustriella Ochyra (Amblystegiaceae)																																				
<i>commutata</i> (Hedw.) Ochyra	●	○		●	●	●		●	●	●*	●		●	●		●	○		●		○	[277]	●	●	●	●		(+) [329]	●	●	●	●	○		●	
<i>decipiens</i> (De Not.) Ochyra	●	○		●	●								●	●		●			●				○*	●	●			●							●	
<i>falcata</i> (Brid.) Hedenäs	●	○		●	(●)						●		●	●		●	●*		●				●	●	●			●	○	●	●				●	
Paraleucobryum (Limpr.) Loeske (Dicranaceae)																																				
<i>enerve</i> (Thed.) Loeske	●			○	●								●	●					●					●	○			●							●	
<i>longifolium</i> (Hedw.) Loeske		○		○	●		●						●	●		●*	○		●				○	○	○			●							●	
<i>sauteri</i> (Bruch & Schimp.) Loeske				○	○								●	●		●*	○		●					●				●							○*	
Pelekium Mitt., <i>nom. cons.</i> (Thuidiaceae)																																				
<i>atlanticum</i> (Hedenäs) Hedenäs							●																	●												
<i>minutulum</i> (Hedw.) Touw														○					(●)*					●				●				○				
Philonotis Brid. (Bartramiaceae)												[209]																								
<i>caespitosa</i> Jur.	●		●	○	●		●				●*		●	●		●	○		●				○	●	●		●	●	●	○*	●	+	●		●	
<i>calcareo</i> (Bruch & Schimp.) Schimp.	●	○	●	○	●		●	●			●		●	●		●	○	●*	●		●		●	●	●	●	●	●	○*	●	●	○*	○		●	
<i>capillaris</i> Lindb. [63]			●	○	●		●				●		●	●		●			●				●	○	●	●	●	●	●	●	●			○	●	
<i>fontana</i> (Hedw.) Brid.	●	○	●	●	●	●	●	●	●		●	○*	●	●		●	○		●				●	●	●	●	●	●	●	●	●	○		●	●	
<i>hastata</i> (Duby) Wijk & Margad.			●								●	[165]	[236]									○		●											●*	
<i>laxitexta</i> J.Fröhl. [64]																●*																			●*	
<i>marchica</i> (Hedw.) Brid.	●*	○	●	○	●	●*	●	●	●		●	●	●	●		●		●	●		●*		○	●	●	●		●	●	●	●				●	
<i>rigida</i> Brid.			●		●	●*	●	●	●*		○		●	●		●			●		○*		○	●	○	●		●	●						●*	
<i>seriata</i> Mitt.	●	○		○	●		●						●	●		●*		[270]	●		[270]		○*	●*	●	●		●	●	●*		●	(●) [270]		●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>tomentella</i> Molendo	●		●*	○	●		●	●			○*		●	●		●	○		●				●	●	●		●	○	●		●				●	
<i>uncinata</i> (Schwägr.) Brid.			+																																	
<i>Physcomitrella</i> Bruch & Schimp. (Funariaceae)																																				
<i>patens</i> (Hedw.) Bruch & Schimp.				○	●								●	●		●*	○		●								+	*	●			○				
<i>Physcomitrium</i> (Brid.) Brid. (Funariaceae)																																				
<i>eurystomum</i> Sendtn.					●									●				●	●													○	●			
subsp. <i>acuminatum</i> (Bruch & Schimp.) Giacom.													●*																						●*	
subsp. <i>eurystomum</i>																																			●*	
<i>immersum</i> Sull. [65]																																				
<i>niloticum</i> (Delile) Müll.Hal. [29]																																				
<i>pyriforme</i> (Hedw.) Bruch & Schimp.		●*	●	○	●	●*	(○)	+	*		+	+	●	●	●				●				○*	●	○		●	●		●	●	●			●	
<i>sphaericum</i> (C.F.Ludw. ex Schkuhr) Brid.				○																																
<i>Plagiomnium</i> T.J.Kop. (Mniaceae)																																				
<i>affine</i> (Blandow ex Funck) T.J.Kop.		○		○	●	●	(○)	●			●		●	●		●	●		●				○	●	●	●	●	●	●	●	●	●	●		●	
<i>confertidens</i> (Lindb. & Arnell) T.J.Kop. [66]																																			●	
<i>cuspidatum</i> (Hedw.) T.J.Kop.		○		○	●	[154]		●*			○*		●	●		○	[256]	○	●				○*		●	●*		●	○		●		○*	●		
<i>elatum</i> (Bruch & Schimp.) T.J.Kop.	●			○	●	●			●*		○		●	●		●	○		●		○*		○	(○)	[310]	●	●*	(●)	●	●	●	●	●	○*	●	
<i>ellipticum</i> (Brid.) T.J.Kop.	●*				●*			●*					●	●		●			●					(●)	[310]	●	●		●		●			●		
<i>medium</i> (Bruch & Schimp.) T.J.Kop.	●*			○	●								●	●		●	○		●				●	(●)	●	●	●	●	●	●	●	●	●	●	●	
<i>rostratum</i> (Schrad.) T.J.Kop.	●*	○	●	●	●	●	(○)	●*			●		●	●		●	○		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	
<i>undulatum</i> (Hedw.) T.J.Kop.	○*	○	●	●	●	●	●	●	●		[197]		●	●		●	●	●	●	●	●		○	●	●	●	●	●	●	●	●	●	○	○	●	
var. <i>madeirense</i> T.J.Kop. & Sérgio			●					●*															●	●			●									
var. <i>undulatum</i>																																				
<i>Plagiopus</i> Brid. (Bartramiaceae)																																				
<i>oederianus</i> (Sw.) H.A.Crum & L.E.Anderson	●*	○		●				●*					●	●		●	○								●	●		●				●			●	
var. <i>oederianus</i>					●									●					●																	
var. <i>alpinus</i> (Schwägr.) Ochyra																																				
<i>Plagiothecium</i> Schimp. (Plagiotheciaceae)																																				
<i>cavifolium</i> (Brid.) Z.Iwats.				●	●			●*					●	●		●	○		●					●	●		●	●		●	●		○	●		
<i>curvifolium</i> Schlieph. ex Limpr.				●	●*			●*					●	●		●*			●					●	●*		●								●	
<i>denticulatum</i> (Hedw.) Schimp.	●		[143]	●				●					●	●		●	○						●	●	●		●	●		●	●					
var. <i>denticulatum</i>					●								●	●					●																●	
var. <i>obtusifolium</i> (Turner) Moore					●								●	●					●																●*	
var. <i>undulatum</i> R.Ruthe ex Geh.					●								●	●					●																	
<i>laetum</i> Schimp.	●*			○	●								●	●		●*			●					(+)	[300]	●		●*	●			●			●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR	GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>latebricola</i> Schimp.														●				●									●*	●						○*	
<i>neckerioideum</i> Schimp.																																			
<i>nemorale</i> (Mitt.) A.Jaeger	●	○	●	●	●		○	●			○		●	●	●	●*		●				●	●	●	●	●	●	●	●	●	●			●	
<i>piliferum</i> (Sw.) Schimp.								●					●	●				●									●		●					●*	
<i>platyphyllum</i> Mönk.					○			●					●	●				●					●	●			○				●		●		
<i>succulentum</i> (Wilson) Lindb.			(●)	●	●*		(●)	●*					●	●	●*			●				(●) [300]					●	●			●		+	●	
<i>undulatum</i> (Hedw.) Schimp.				○	●								●	●			○	●									●	●		○*	●			○	
<i>Plasteurhynchium</i> M.Fleisch. ex Broth. (Brachytheciaceae)																																			
<i>meridionale</i> (Schimp.) M.Fleisch.		○	●	○		●	●	●	●		○		●	●			●	○	●			●	●	○	●	●	●	●	●	●	●	●	○*	●	
<i>striatum</i> (Spruce) M.Fleisch.		○		●	●	●	○*	●*	●		○*		●	●			●	○	●			●	●	●	●	●	●	●	●	●	●	●		●	
<i>Platydictya</i> Berk. (Hypnaceae)																																			
<i>jungermannii</i> (Brid.) H.A.Crum				○	●				●				●	●	●*	○		●						●								●			
<i>Platygyrium</i> Schimp. (Pylaisiadelphaceae)																																			
<i>repens</i> (Brid.) Schimp.				○	●*						○*		●	●	●	○		●									●	●*		●				●	
<i>Plaubelia</i> Brid. (Pottiaceae)																																			
<i>sprengelii</i> (Schagr) R.H.Zander [67]													(●)* [67]																						
<i>Pleuroidium</i> Rabenh. (Ditrichaceae) [68]													[68]																						
<i>acuminatum</i> Lindb.			●	○	●	●	●	●	●		○*		●	●	●	○		●				●	●		●	●	●	●	●	●	●	●			●
<i>subulatum</i> (Hedw.) Rabenh.			(○) [398]	○	●	●*	●	●	●*		●		●	●	●	○	●	●		○		●	●	○	●	●	●	○	●	●	○		○	●	
<i>Pleurozium</i> Mitt. (Hylocomiaceae)																																			
<i>schreberi</i> (Willd. ex Brid.) Mitt.	●	○	●	●	●						+		●	●	●	●		●				●*	●	●		●	●				●			●	
<i>Pogonatum</i> P.Beauv. (Polytrichaceae)																																			[382]
<i>aloides</i> (Hedw.) P.Beauv.	●		●	●	●		●	●	●		●		●	●	●	○		●			●	●	●	●	●	●	●	●	●	●	●	○*	○	●	
<i>dentatum</i> (Menzies ex Brid.) Brid.																																			●*
<i>inflexum</i> (Lindb.) Sande Lac. [69]																																			+
<i>nanum</i> (Hedw.) P.Beauv.			(●)	○	●		●	○*	●		●		●	●	●	○		●				●	●*	○	●	●	●	○	●			○*	●		
<i>neesii</i> (Müll.Hal.) Dozy																																			+
<i>urnigerum</i> (Hedw.) P.Beauv.	●		●	○	●		+	●			○*		●	●	●	○		●				●	●	○	●	●	●	●		●				●	
<i>Pohlia</i> Hedw. (Mniaceae) [70]																																			
<i>andalusica</i> (Höhm.) Broth.	●		(○)*										●	●									●				(●)	●							
<i>andrewsii</i> A.J.Shaw																																			
<i>annotina</i> (Hedw.) Lindb.		●*	●	○	●*		●*	●	●*		○*		●	●	●			●				●	●				●		●		○			○*	
<i>atropurpurea</i> (Wahlenb.) H.Lindb.		○									○*	○*	[237]					●			○*	○	(+)						○			[349]		●*	
<i>bolanderi</i> (Lesq.) Broth.													[237]										●*			●*									
<i>bulbifera</i> (Warnst.) Warnst.			●											●		○		●									[330]	●	○*		○			●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>camptotrachela</i> (Renauld & Cardot) Broth.				○									●	●											●	●									+	
<i>cruda</i> (Hedw.) Lindb.	●	○	(○) [144]	○	●		●	●	●		○		●	●		●	○		●				●	●	●	●	●	●	●	○					●	
<i>crudoides</i> (Sull. & Lesq.) Broth.																											(●)									
<i>drummondii</i> (Müll.Hal.) A.L.Andrews	○*			○	●			○*					●	●					●					○	○			○							○	
<i>elongata</i> Hedw.	●*		(●)*	○			○*	●			+		●	●		●	○							●	●	●	[319]	●	●		●	○				
var. <i>elongata</i>					●								●	●		●*			●		○*									●*					●	
var. <i>acuminata</i> (Hornsch.) Huebener													●	○					●								(○)									
var. <i>greenii</i> (Brid.) A.J.Shaw	●*				●								●	●					●								(○)	○							●	
<i>filum</i> (Schimp.) Martensson					●								●	●										●	○		[388]									
<i>flexuosa</i> Hook.													●	●																						
<i>lesciana</i> (Sull.) Ochi								●*					●	●														●	●				○			
<i>longicolla</i> (Hedw.) Lindb.	●				●			●*					●	●		(○)*								(○)	●			●	●			(○)			●	
<i>ludwigii</i> (Spreng. ex Schwägr.) Broth.													●	●		○*												●			(○)				○	
<i>lutescens</i> (Limpr.) H.Lindb.					●*			●*						●					○									●		●		○				
<i>melanodon</i> (Brid.) A.J.Shaw		●*	●	○	●	●	●	●	●	●	○	○*	●	●		●	○	●	●		●	○	○	[288]	●*	●	●	●	●	●	●	●	○		○	●
<i>nutans</i> (Hedw.) Lindb.	●		○	●	●			●				●	●	●		●	○						●	●	●	●	●	●	●	○	●	○	●		●	
<i>obtusifolia</i> (Vill. ex Brid.) L.F.Koch					●								●	●																						
<i>proliger</i> (Kindb.) Lindb. ex Broth.			●		●			●*					●	●										●	●			●		●	●					
<i>sphagnicola</i> (Bruch & Schimp.) Broth.														●					[273]											[344]						
<i>vexans</i> (Limpr.) H.Lindb.														●																		○				
<i>wahlenbergii</i> (F.Weber & D.Mohr) A.L.Andrews	●	○		○		●*	●	●	●	●	○		●	●		●	○	●	●				○		●	●	[320]	●	●	●*	●	●	(○)	[362]		
var. <i>wahlenbergii</i>					●				●				●	●		●					○*										●				●	
var. <i>calcare</i> (Warnst.) E.F.Warb.					●				●	●*			●	●		●															●				●	
var. <i>glacialis</i> (Brid.) E.F.Warb.					●								●	●																					●	
<i>Polytrichastrum</i> G.L.Sm. (Polytrichaceae) [410]																																				
<i>alpinum</i> (Hedw.) G.L.Sm.	●	○		●	●			●			○*		●	●		●	○		●					●	●		●	●	●	○*	●				●	
<i>sexangulare</i> (Brid.) G.L.Sm.	●*			○	●								●	●		●*			●																	●*
<i>Polytrichum</i> Hedw. (Polytrichaceae) [71] [410]																					[71]															
<i>commune</i> Hedw.	●		●	●	●		●	●			●*		●	●		●*	○		●				○	●	●	○		●	●	●*	●	●	○*	[363]		●
<i>formosum</i> Hedw. [410]	●		●	●	●		●	●			○		●	●		●	●		●				●	●	●	●	●	●	●	●	●	●	○*			●
<i>juniperinum</i> Hedw.	●	○	●	●	●	●	●	●	●		●		●	●		●	○		●				●	●	●	●	●	●	●	●	●	●	○		○	●
<i>longisetum</i> Sw. ex Brid. [410]	○*			○	○								●	●		○*	○		●		○*			●	○			○		○*	●				●	
<i>pallidisetum</i> Funck [410]														○																						
<i>piliferum</i> Hedw.	●	○	●	●	●	[155]	●	●	●		○*		●	●		●	○		●				●	●	●		●	●	●	●	●	●				●
<i>strictum</i> Menzies ex Brid.	●			○	●			○*			●		●	●		[257]	○		●							○		○	●	●	●					●
<i>swartzii</i> Hartm.																			○*																	
<i>uliginosum</i> (Wallr.) Schriebl			(●)*						●*							○															○					
<i>Pottiopsis</i> Blockeel & A.J.E.Sm. (Pottiaceae)																																				
<i>caespitosa</i> (Bruch ex Brid.) Blockeel & A.J.E.Sm. [72]			●			●			●*		●		●	●		●	○	●	●	●			○*	●*	●		●	○	●	●					●	

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR			
<i>Pseudephemerum</i> (Lindb.) I.Hagen (Ditrichaceae)																																						
<i>nitidum</i> (Hedw.) Loeske			●	○	+						○		●	●		●*	○		●				○*	+				●						○				
<i>Pseudoamblystegium</i> Vanderp. & Hedenäs (Amblystegiaceae) [73]																																						
<i>subtile</i> (Hedw.) Vanderp. & Hedenäs		○		●	●								●	●		●	●		●						●	●		●		●	●					●		
<i>Pseudobryum</i> (Kindb.) T.J.Kop. (Mniaceae)																																						
<i>cinclidioides</i> (Huebener) T.J.Kop.														●					○							○		○					○					
<i>Pseudocampyllum</i> Vanderp. & Hedenäs (Almblystegiaceae) [73]																																						
<i>radicale</i> (P.Beauv.) Vanderp. & Hedenäs				○										●			○		●									●					●					
<i>Pseudocrossidium</i> R.S.Williams (Pottiaceae)																																						
<i>hornschuchianum</i> (Schultz) R.H.Zander		●*	○*	●	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●	○*	○	●		●		●	●	●	●	●	●	○	●	●		●	
<i>obtusulum</i> (Lindb.) H.A.Crum & L.E.Anderson	●*												●																				●			●*		
<i>replicatum</i> (Taylor) R.H.Zander																			●*															●				
<i>revolutum</i> (Brid.) R.H.Zander		○	●	○	●	●	●	●	●	●*	●		●	●		●	○	●	●	●	○*	○	●	●	●		○	●	●	●	●	○	○	○	●	●		
<i>Pseudoleskea</i> Schimp. (Leskeaceae) [75] [408]												[75]																										
<i>artariae</i> Thér.																			●					○										○				
<i>Pseudoleskeella</i> Kindb. (Leskeaceae)																																						
<i>catenulata</i> (Brid. ex Schrad.) Kindb.	●	○		●	●	●*					●*		●	●		●	○		●				●*		●	●		●					●			●		
<i>nervosa</i> (Brid.) Nyholm	●*	●*		●	●		●*						●	●		●	○		●						●	●		●					●	●			●	
<i>rupestris</i> (Berggr.) Hedenäs & L.Söderstr.											+		●	●																							●*	
<i>tectorum</i> (Funck ex Brid.) Kindb. ex Broth.					●								●	●		○*			●				●*				○				●					●		
<i>Pseudorhynchostegiella</i> Ignatov & Vanderp. (Brachytheciaceae) [76]																																						
<i>duriaei</i> (Mont.) Ignatov & Vanderp. [407]			●			●	[166]	+			●		●	●					●				●	●			●*		○*						●			
<i>Pseudoscleropodium</i> (Limpr.) M.Fleisch. (Brachytheciaceae)																																						
<i>purum</i> (Hedw.) M.Fleisch.	○*	●	○	●	●	●	●	●		○*	○		●	●		●	●	●	●					●	●	●		●	●	●	●	●	●	●	●		●	
<i>Pseudotaxiphyllum</i> Z.Iwats. (Hypnaceae)																																						
<i>elegans</i> (Brid.) Z.Iwats.	●*		●	○	●		●	●					●	●		●*	○		●					●	●*		●	●	●*	●	●							
<i>laetevirens</i> (Dixon & Luisier ex F.Koppe & Düll) Hedenäs			●										●											●			●											
<i>Pterigynandrum</i> Hedw. (Pterigynandraceae)																																						
<i>filiforme</i> Hedw.	●	○		●			●	●	●	●	●		●	●		●								●	●	●		●	●					●	●		○*	●

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>var. filiforme</i>					●				+				●	●		●			●										●	●						
<i>var. majus</i> (De Not.) De Not.					●				●	●	●		●	●		●			●				●				(○)		○*	○						
<i>Pterygoneurum</i> Jur. (Pottiaceae)																																				
<i>compactum</i> M.J.Cano, J.Guerra & Ros					●*								●															●								
<i>crossidioides</i> W.Frey, Herrnst. & Kürschner													[238]					●																		
<i>lamellatum</i> (Lindb.) Jur.													●	●		(●) [258]			●									●		●						
<i>ovatum</i> (Hedw.) Dixon	●*			○	●	●				●*	●		●	●		●	○	●	●	●			●	○		●*		●		●	○	○*	●	●		
<i>sampaianum</i> (Machado-Guim.) Machado-Guim.						●							●														○*					○*	[364]			
<i>squamosum</i> Segarra & Kürschner													●																						●*	
<i>subsessile</i> (Brid.) Jur.					●*		●				○	●*	●					●	○									●		●	○		●	●*		
<i>Ptilium</i> De Not. (Hypnaceae)																																				
<i>crista-castrensis</i> (Hedw.) De Not.		○		○	●								●	●		(○)*	○		●							●		○		●					●	
<i>Psychomitrium</i> Fűrnr. (Ptychomitriaceae)																																				
<i>incurvum</i> (Schwägr.) Spruce													○*	●					○																	
<i>nigrescens</i> (Kunze) Wijk & Margad.				●			●							●*											●			●			○*					
<i>polyphyllum</i> (Dicks. ex Sw.) Bruch & Schimp.	●*		●	○			●	●					●	●				○	●					●			●				○					
<i>Pychostrum</i> Hornsch. (Bryaceae) [10]																																				
<i>archangelicum</i> (Bruch & Schimp.) J.R.Spence	●*			●	●					(○)*	+	●*	●	●	[248]	[259]	○		●				○*		●	●		●		●	●	●			●	
<i>arcticum</i> (R.Br.) J.R.Spence ex Holyoak & N.Pedersen													○*	●					●							●					○					
<i>boreale</i> (F.Weber & D.Mohr) Ochyra & Bednarek-Ochyra [77]	●*			○	●		●	●	●	○	●		●	●		●	●	●	●	○*	○	●		●	●	(○)* [77]	●	●	●	●	●	●	●		●	
<i>bornholmense</i> (Wink. & R.Ruthe) Holyoak & N.Pedersen					●*		●*		●				●	●		●*		(●)*																	●	
<i>capillare</i> (Hedw.) Holyoak & N.Pedersen		●	●	●	●	●	●	●	●	●	●	●	●	●		[424]	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	[365]	●
<i>cernuum</i> (Hedw.) Hornsch.														○				●						●	○		●		○							
<i>compactum</i> Hornsch.		○		○	(○)			(●)*			○		●	●		○*	○		●					●	○		●		●	●	○	○*			●	
<i>var. compactum</i>														●				●																		
<i>var. rutheanum</i> (Warnst.) Holyoak & N.Pedersen													(●)*	●																						
<i>creberrimum</i> (Taylor) J.R.Spence & H.P.Ramsay	●*		○	○	●			○*				●*	●	●			●	●					○*	●	●		○	●	(●)	●				●		
<i>cyclophyllum</i> (Schwägr.) J.R.Spence					●								[228]	●									○*		○		(●) [228]	○								
<i>demissum</i> (Hook.) Holyoak & N.Pedersen					●								[239]	●				●							○						○					
<i>donianum</i> (Grev.) Holyoak & N.Pedersen		○	●	○		●	●	●	●	●	●		●	●		●	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●		[366]	●	
<i>imbricatulum</i> (Müll.Hal.) Holyoak & N.Pedersen	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●			●	●	●	●	●	●	●	●	●	○	○*	●		
<i>longisetum</i> (Blandow ex Schwägr.) J.R.Spence																														(○)						
<i>moravicum</i> (Podp.) Ros & Mazimpaka [10]	●*			●	●		(●)				●		●	●		●	●		●				●	●	●	○	●	●	●	●				●*		

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR	
<i>froelichiana</i> (Hedw.) Mitt. ex Broth.					•								•	•					•										•			•				
<i>hornschuchii</i> (Grev. & Arn.) Broth.																			○																	
<i>lingulata</i> (Dicks.) Lindb.					•*									•					•													○			○*	
<i>serrata</i> (Hedw.) Bruch & Schimp.														•					•													•				
<i>splachnoides</i> (Schleich. ex Schwägr.) Hook.					•									•					•													○				
<i>tenuis</i> (Dicks.) Schimp.													•	•					○																	
Tetraphis Hedw. (Tetraphidaceae)																																				
<i>pellucida</i> Hedw.	+*			○	•			○*					•	•		•*	○		•						•				•			•			•	
Tetraplodon Bruch & Schimp. (Splachnaceae)																																				
<i>angustatus</i> (Hedw.) Bruch & Schimp.														•					•																	
<i>mnioides</i> (Hedw.) Bruch & Schimp.													○	•					•					•								•				
<i>urceolatus</i> Bruch & Schimp.														(○)					○																	
Tetrastichium (Mitt.) Cardot (Leucomiaceae)																																				
<i>fontanum</i> (Mitt.) Cardot				•			•						•*											•												
<i>virens</i> (Cardot) S.P.Churchill				•			•						•											•												
Tetradontium Schwägr. (Tetraphidaceae)																																				
<i>brownianum</i> (Dicks.) Schwägr.														•																		○				○*
<i>repandum</i> (Funck) Schwägr.														•																						
Thamnobryum Nieuwl. (Neckeraceae)																								[314]												
<i>alopecurum</i> (Hedw.) Gangulee		○	•	•	•	•	•	•	•		•	[203]	•	•		•	•	•	•				○	•	•	•	•	•	•	•	•	•	•	•	○	•
var. <i>maderense</i> (Kindb.) M.Stech, Ros & O.Werner [92]			•				•						•										•	•			•									
<i>fernandesii</i> Sérgio																								•												
<i>neckeroides</i> (Hook.) E.Lawton																																				
<i>rudolphianum</i> Mastracci			•																																	
Thuidiopsis (Broth.) M.Fleisch. (Thuidiaceae)																																				
<i>sparsa</i> (Hook.f. & Wilson) Broth.																								•												
Thuidium Schimp. (Thuidiaceae)																																				
<i>assimile</i> (Mitt.) A.Jaeger	•*	○		•	•						[204]		•	•				○	•					•	•			•				•				•
<i>delicatulum</i> (Hedw.) Schimp.	•	○	•*	•	•	•*							•	•					•*	○				•	•			•				•				•
<i>recognitum</i> (Hedw.) Lindb.		○		•	•			•*			[204]		•	•					•	•				•				•				•				•
<i>tamariscinum</i> (Hedw.) Schimp.	•*		•	•	•			•					•	•					•	○				•	•			•	•			•				•
Timmia Hedw. (Timmiaceae)																																				
<i>austriaca</i> Hedw.		○		○	•			•*					•	•					•					•	•			•				•				•
<i>bavarica</i> Hessl.		○		○	•	•*		•*	•		○		•	•					•					•	•	•		•	○*	•	•	•				•

	AD	AL	AZ	BA	BG	BL	CN	CO	CT	CY	DZ	EG	ES	FR		GR	HR	IL	IT	JO	LB	LY	MA	MD	ME	MK	MT	PT	RS	SA	SC	SI	SY	TN	TR			
Trematodon Michx. (Bruchiaceae)																																						
<i>ambiguus</i> (Hedw.) Hornsch.					●								●	●					●						●*									○				
<i>brevicollis</i> Hornsch.														●					●																			
<i>longicollis</i> Michx.									●										●														●					
<i>perssoniorum</i> P.Allorge & Thér. ex V.Allorge			●																																			
Trichodon Schimp. (Ditrichaceae)																																						
<i>cylindricus</i> (Hedw.) Schimp.				○	●		●	●*					●	●		●*			●						●			●	○		●	●				●		
Trichostomum Bruch (Pottiaceae) [72]																																						
<i>brachydontium</i> Bruch		○	●	●	●	● [157]	●	●	●	●	●	●*	●	●		●	○	●	●		○	○	●	●	○	●	●	●	●	●	●	●	●	●	(+) [370]	●	●	
<i>crispulum</i> Bruch	●*	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	○	●	●	●	○	●	●	●	●	●	○	○*	●	●	●		
Triquetrella Müll.Hal. (Pottiaceae) [104]																																						
<i>arapilensis</i> Luisier													●															●										
Ulota D.Mohr (Orthotrichaceae)																																						
<i>bruchii</i> Hornsch. ex Brid.				○	●*								●	●			○		●						●*		●	●					●					
<i>calvescens</i> Wilson			●				●						●	●*										●			●	●										
<i>coarctata</i> (P.Beauv.) Hammar				○									●	●				○						○			●	●									●*	
<i>crispa</i> (Hedw.) Brid.	●*	○	●	●	●		●						●	●				○		●				●	●		●	●			●	●				●	●	
<i>curvifolia</i> (Wahlenb.) Lilj.		○																																				
<i>drummondii</i> (Hook. & Grev.) Brid.														●																								
<i>hutchinsiae</i> (Sm.) Hammar				○	●			●					●	●				○		●							●	○				○					●	
<i>macrospora</i> E.Bauer & Warnst.														●																								
<i>phyllantha</i> Brid.													●*	●																								
<i>rehmannii</i> Jur.																																					●*	
Vesicularia (Müll.Hal.) Müll.Hal. (Hypnaceae) [114]																																						
<i>reimersiana</i> Bizot & P.de la Varde																																						
											○*																											
											[114]																											
Voitia Hornsch. (Splachnaceae)																																						
<i>nivalis</i> Hornsch.														○					●																			
Warnstorfia Loeske (Calliergonaceae) [412]																																						
<i>fluitans</i> (Hedw.) Loeske		○	●	○	●		+*	●			○		●	●													●		●	○	○*		●				●	
<i>pseudostraminea</i> (Müll.Hal.) Tuom. & T.J.Kop.														●																							(○)	
Weissia Hedw. (Pottiaceae) [72] [105] [106] [107]																																						
<i>brachycarpa</i> (Nees & Hornsch.) Jur.			●	○	●	●		●	●	●	●		●	●		●	○	+	●		●		○		●	●	●	●	●	●	●	●	●	●	○*	○	●	
<i>breutelii</i> Müll. Hal. [108]																																					●*	
																																						[108]
<i>condensa</i> (Voit) Lindb. var. <i>condensa</i>		○	●	○	●	●	●	●	●	●	○		●	●		●	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	○*	●	●	●		

Single records**AD – ANDORRA**

- Abietinella abietina* (Losa & Montserrat, 1952)
Alleniella besseri (Casas, 1999)
Anomobryum julaceum (Townsend, 1999)
Anomodon viticulosus (Cros *et al.*, 2005)
Arctoa fulvella (Losa & Montserrat, 1952)
Atrichum undulatum (Cros *et al.*, 2005)
Barbula unguiculata (Garilleti, 2006)
Brachytheciastrum collinum (Braun-Blanquet, 1948)
Brachytheciastrum velutinum var. *salicinum* (Townsend, 1999)
Brachythecium cirrosum (Cros *et al.*, 2005)
Brachythecium mildeanum (Cros *et al.*, 2005)
Bryoerythrophyllum recurvirostrum (Gallego, 2006a)
Bryum argenteum (Cros *et al.*, 2005)
Bryum dichotomum (Guerra *et al.*, 2010a)
Bryum elegans (Guerra *et al.*, 2010a)
Coscinodon cribrosus (Townsend, 1999)
Cynodontium fallax (Townsend, 1999)
Dichodontium pellucidum (Cros *et al.*, 2005)
Dicranella heteromalla (Casas Sicart, 1986)
Dicranum polysetum (Casas Sicart, 1986)
Didymodon cordatus (Heras *et al.*, 2011)
Didymodon fallax (Cros *et al.*, 2005)
Didymodon rigidulus (Jiménez, 2006a)
Dirichum heteromallum (Townsend, 1999)
Eurhynchiastrum pulchellum (Townsend, 1999)
Eurhynchium angustirete (Casas Sicart, 1986)
Eurhynchium striatum (Cros *et al.*, 2005)
Exsertoheca crispa (Cros *et al.*, 2005)
Fissidens adianthoides (Cros *et al.*, 2005)
Fissidens dubius (Cros *et al.*, 2005)
Fissidens grandifrons (Heras *et al.*, 2011)
Fissidens osmundoides (Greven, 1995a)
Funaria hygrometrica (Greven, 1995a)
Grimmia crinitoleucophaea (Greven, 1995a)
Grimmia elatior (Townsend, 1999)
Grimmia elongata (Greven, 1995a)
Grimmia longirostris (Greven, 1995a)
Grimmia tergestina (Greven, 1995a)
Grimmia trichophylla (Heras *et al.*, 2011)
Grimmia unicolor (Greven, 1995a)
Gymnostomum aeruginosum var. *aeruginosum* (Heras *et al.*, 2011)
Gymnostomum viridulum (Heras *et al.*, 2011)
Hylocomiastrum umbratum (Greven, 1995a)
Hypnum andoi (Greven, 1995a)
Hypnum procerrimum (Casas *et al.*, 1985)
Imbribryum mildeanum (Cros *et al.*, 2005)
Isothecium alopecuroides (Heras *et al.*, 2011)
Kindbergia praelonga (Cros *et al.*, 2005)
Lescuraea mutabilis (Losa & Montserrat, 1952)
Mielichhoferia mielichhoferiana (Townsend, 1999)
Mnium hornum (Casas Sicart, 1986)
Mnium lycopodioides (Cros *et al.*, 2005)
Mnium stellare (Townsend, 1999)
Nyholmia obtusifolia (Townsend, 1999)
Orthotrichum affine (Townsend, 1999)
Orthotrichum alpestre (Townsend, 1999)
Oxyrrhynchium schleicheri (Losa & Montserrat, 1952)
Philonotis marchica (Guerra & Gallego, 2010)
Plagiomnium ellipticum (Casas Sicart, 1986)
Plagiomnium medium (Cros *et al.*, 2005)
Plagiomnium rostratum (Heras *et al.*, 2011)
Plagiomnium undulatum (Losa & Montserrat, 1952)
Plagiopus oederianus (Guerra, 2010a)
Plagiothecium laetum (Cros *et al.*, 2005)
Pohlia drummondii (Braun-Blanquet, 1948)
Pohlia elongata (Townsend, 1999)
Pohlia elongata var. *greenii* (Heras *et al.*, 2011)
Polytrichastrum sexangulare (Casas de Puig, 1975)
Polytrichum longisetum (Corbière, 1897)
Pseudocrossidium obtusulum (Cano *et al.*, 2004)
Pseudoleskeella nervosa (Townsend, 1999)
Pseudoscleropodium purum (Losa & Montserrat, 1952)
Pseudotaxiphyllum elegans (Casas Sicart, 1986)
Pterygoneurum ovatum (Townsend, 1999)
Ptychomitrium polyphyllum (Townsend, 1999)
Ptychostomum archangelicum (Cros *et al.*, 2005)
Ptychostomum boreale (Cros *et al.*, 2005)
Ptychostomum creberrimum (Guerra *et al.*, 2010a)
Ptychostomum moravicum (Guerra *et al.*, 2010a)
Ptychostomum pallens (Cros *et al.*, 2005)
Racomitrium aciculare (Casas Sicart, 1986)
Racomitrium macounii subsp. *macounii* (Casas *et al.*, 1992b)

Rhynchostegium riparioides (Heras *et al.*, 2011)
Sarmentypnum sarmentosum (Brugués & Ruiz, 2003)
Schistidium crassipilum (Townsend, 1999)
Schistidium frigidum (Blockeel *et al.*, 2008a)
Schistidium helveticum (Townsend, 1999)
Schistidium rivulare (Townsend, 1999)
Sciuro-hypnum plumosum (Townsend, 1999)
Sciuro-hypnum reflexum (Townsend, 1999)
Sphagnum fallax (Brugués *et al.*, 2007b)
Sphagnum fimbriatum (Casas Sicart, 1986)
Sphagnum quinquefarium (Losa & Montserrat, 1952)
Tegonia latifolia (Townsend, 1999)
Syntrichia laevipila (Townsend, 1999)
Syntrichia norvegica (Gallego, 2006b)
Syntrichia papillosa (Townsend, 1999)
Syntrichia princeps (Gallego, 2006b)
Syntrichia ruralis (Gallego, 2006b)
Syntrichia ruralis var. *ruraliformis* (Gallego, 2006b)
Syntrichia subpapillosissima (Gallego, 2006b)
Tetraphis pellucida (Casas & Brugués, 1979)
Thuidium assimile (Casas Sicart, 1986)
Thuidium tamariscinum (Casas Sicart, 1986)
Tortella nitida (Townsend, 1999)
Tortella squarrosa (Ron *et al.*, 2006)
Tortella tortuosa var. *fragilifolia* (Heras *et al.*, 2011)
Tortula schimperii (Cano, 2006a)
Trichostomum crispulum (Cros *et al.*, 2005)
Ulota crispa (Townsend, 1999)

AL – ALBANIA

Aloina aloides (Colacino & Marka, 2009)
Atrichum undulatum (Marka & Sabovljević, 2011)
Aulacomnium palustre (Marka & Sabovljević, 2011)
Bryum dichotomum (Colacino & Marka, 2009)
Campyliadelphus elodes (Blockeel *et al.*, 2009b)
Climacium dendroides (Marka & Sabovljević, 2011)
Dichodontium palustre (Marka & Sabovljević, 2011)
Dicranella howei (Colacino & Marka, 2009)
Dicranella rufescens (Marka & Sabovljević, 2011)
Ditrichum flexicaule (Blockeel *et al.*, 2009b)

Ditrichum heteromallum (Colacino & Marka, 2009)
Ephemerum serratum (Marka & Sabovljević, 2011)
Nyholmiella obtusifolia (Marka & Sabovljević, 2011)
Orthothecium intricatum (Blockeel *et al.*, 2009b)
Orthotrichum lyellii (Colacino & Marka, 2009)
Orthotrichum pallens (Colacino & Marka, 2009)
Orthotrichum tenellum (Colacino & Marka, 2009)
Physcomitrium pyriforme (Colacino & Marka, 2009)
Pohlia annotina (Marka & Sabovljević, 2011)
Pohlia melanodon (Colacino & Marka, 2009)
Pseudocrossidium hornschurchianum (Marka & Sabovljević, 2011)
Pseudoleskeella nervosa (Colacino & Marka, 2009)
Ptychostomum rubens (Marka & Sabovljević, 2011)
Ptychostomum zieri (Blockeel *et al.*, 2009b)
Pylaisia polyantha (Colacino & Marka, 2009)
Rhizomnium pseudopunctatum (Marka & Sabovljević, 2011)
Rhytidadelphus squarrosus (Marka & Sabovljević, 2011)
Sematophyllum substrumulosum (Colacino & Marka, 2009)
Sphagnum contortum (Marka & Sabovljević, 2011)
Sphagnum subnitens (Marka & Sabovljević, 2011)
Sphagnum teres (Marka & Sabovljević, 2011)
Syntrichia laevipila (Marka & Sabovljević, 2011)
Weissia longifolia (Colacino & Marka, 2009)
Zygodon rupestris (Colacino & Marka, 2009)

AZ – AZORES

Alleniella complanata (Sjögren, 2001)
Aloina rigida (Crundwell *et al.*, 1994)
Atrichum androgynum (Sérgio *et al.*, 2010)
Atrichum tenellum (Frahm, 2005)
Bartramia pomiformis (Cunha & Barros, 1942)
Bryum kunzei (Allorge & Allorge, 1948)
Bryum tenuisetum (Crundwell *et al.*, 1994)
Campylopus subulatus (Frahm, 2005)

- Ceratodon purpureus* subsp. *stenocarpus* (Frahm, 2005)
Cynodontium bruntonii (Russel, 1862)
Dicranella subulata (Smockler, 1967)
Didymodon rigidulus (Crundwell *et al.*, 1994)
Didymodon sicculus (Jiménez, 2006b)
Ditrichum punctulatum (Hill *et al.*, 2006)
Entosthodon fascicularis (Dias, 1986)
Ephemerum cohaerens (Crundwell *et al.*, 1994)
Fissidens azoricus (Potier de la Varde, 1945)
Fissidens curvatus (Allorge & Allorge, 1948)
Fissidens monguillonii (Allorge & Allorge, 1952)
Fissidens pusillus (Crundwell *et al.*, 1994)
Grimmia elongata (Sjögren, 2001)
Grimmia hartmanii (Claro, 2008)
Grimmia montana (Nogueira, 1958)
Gyroweisia tenuis (Crundwell *et al.*, 1994)
Heterocladium flaccidum (Hübschmann, 1973-1974)
Hygroamblystegium fluviatile (Bloeckel *et al.*, 2009b)
Isoterygiopsis pulchella (Smockler, 1967)
Kiaeria blyttii (Sérgio, 1976)
Neckera cephalonica (Allorge & Allorge, 1952)
Philonotis tomentella (Claro, 2008)
Pohlia andalusica (Allorge & Allorge, 1952)
Pohlia elongata (Dias, 1986)
Polytrichum uliginosum (Hübschmann, 1973-1974)
Pseudocrossidium hornschurchianum (Allorge & Allorge, 1952)
Rhynchostegiella litorea (Ellis *et al.*, 2011a)
Sphagnum recurvum (Dias *et al.*, 2009)
Sphagnum subsecundum (Séneca & Söderström, 2009)
Thuidium delicatulum (Frahm, 2005)
Tortella fragilis (Claro, 2008)
Tortella inflexa (Claro, 2008)
Tortella tortuosa (Claro, 2008)
Tortula canescens (Crundwell *et al.*, 1994)
Tortula revolvens (Crundwell *et al.*, 1994)
Tortula vahliana (Crundwell *et al.*, 1994)
- BA – BOSNIA-HERZEGOVINA**
Bryum canariense (Pavletić, 1955)
- BG – BULGARIA**
Acaulon triquetrum (Natcheva & Ganeva, 2006)
Amblyodon dealbatus (Bloeckel *et al.*, 2006a)
Bartramia stricta (Lüth, 2007)
Bryum funkii (Lüth, 2007)
Bryum klinggraeffii (Natcheva & Ganeva, 2007)
Campyliadelphus elodes (Bloeckel *et al.*, 2006a)
Crossidium crassinervium (Natcheva & Ganeva, 2006)
Dichelyma falcatum (Natcheva, 2007)
Dicranella humilis (Lüth, 2007)
Dicranella staphylina (Hájková *et al.*, 2007a)
Dicranoweisia cirrata (Natcheva, 2005)
Drepanocladus longifolius (Natcheva, 2005)
Fissidens arnoldii (Papp *et al.*, 2006)
Fissidens crispus (Papp *et al.*, 2011)
Grimmia anomala (Lüth, 2007)
Grimmia lisae (Lüth, 2007)
Gyroweisia tenuis (Papp *et al.*, 2011)
Hilpertia velenovskiyi (Natcheva & Ganeva, 2006)
Hymenoloma compactum (Lüth, 2007)
Hypnum bambergeri (Lüth, 2007)
Hypnum recurvatum (Lüth, 2007)
Leucobryum juniperoideum (Ganeva *et al.*, 2008)
Meesia longiseta (Bloeckel *et al.*, 2006a)
Microbryum floerkeanum (Natcheva & Ganeva, 2006)
Plagiomnium ellipticum (Hájková *et al.*, 2007b)
Plagiothecium curvifolium (Papp *et al.*, 2011)
Plagiothecium succulentum (Ganeva & Düll, 1999)
Platygyrium repens (Ganeva *et al.*, 2008)
Pohlia annotina (Papp, 2007)
Pohlia lutescens (Ganeva *et al.*, 2008)
Pterygoneurum compactum (Natcheva & Ganeva, 2006)
Pterygoneurum subsessile (Natcheva & Ganeva, 2006)
Ptychostomum bornholmense (Papp *et al.*, 2011)
Racomitrium elongatum (Papp *et al.*, 2011)
Rhynchostegiella teneriffae (Papp *et al.*, 2011)
Schistidium crassipilum (Lüth, 2007)
Schistidium elegatulum (Lüth, 2007)
Schistidium helveticum (Lüth, 2007)
Schistidium papillosum (Lüth, 2007)
Schistidium pruinosum (Blom, 1996)
Schistidium robustum (Lüth, 2007)
Scorpidium cossonii (Bloeckel *et al.*, 2006a)
Sphagnum fimbriatum (Natcheva, 2005)
Tayloria lingulata (Ganeva, 2008)
Tortella bambergeri (Lüth, 2007)
Tortella inflexa (Papp *et al.*, 2011)
Tortula vahliana (Ganeva *et al.*, 2008)
Ulota bruchii (Papp *et al.*, 2011)

BL – BALEARIC ISLANDS

Alleniella besseri (Sáez *et al.*, 2002)
Amblystegium serpens (Maheu, 1912)
Aschisma carniolicum (Cano *et al.*, 2001)
Brachythecium albicans (Nicholson, 1907a)
Bryum gemmiferum (Sáez *et al.*, 2006b)
Bryum gemmilucens (Cano *et al.*, 2001)
Calliergonella cuspidata (Rosselló, 1981)
Campyliadelphus chrysophyllus (Rosselló, 1981)
Campylopus pilifer (Sáez *et al.*, 1998)
Ceratodon purpureus subsp. *purpureus* (Pericàs & Rosselló, 2009)
Cryphaea heteromalla (Pericàs & Rosselló, 2009)
Didymodon nicholsonii (Sáez *et al.*, 2002)
Didymodon sicculus (Cano *et al.*, 2001)
Didymodon umbrosus (Pericàs, 2008)
Encalypta spathulata (Sáez *et al.*, 2006b)
Entosthodon schimperii (Brugués *et al.*, 2010)
Ephemerum crassinervium subsp. *sessile* (Casas & Brugués, 1983)
Fissidens crassipes subsp. *crassipes* (Dunk, 1977)
Fissidens crispus (Koppe, 1965)
Fissidens rivularis (Pericàs, 2008)
Grimmia capillata (Greven, 1995a)
Grimmia laevigata (Sáez *et al.*, 2006a)
Grimmia ovalis (Pericàs & Rosselló, 2009)
Gymnostomum lanceolatum (Cano *et al.*, 2001)
Gyroweisia tenuis (Cros & Rosselló, 1984)
Hygroamblystegium varium (Rosselló, 1981)
Hylocomium splendens (Rosselló, 1984)
Hypnum cupressiforme var. *filiforme* (Koppe, 1965)
Isopterygopsis pulchella (Sáez *et al.*, 2006b)
Leptobryum pyriforme (Maheu, 1912)
Mnium stellare (Maheu, 1912)
Orthotrichum hispanicum (Pericàs, 2008)
Orthotrichum pallens (Pericàs, 2008)
Orthotrichum pumilum (Pericàs, 2008)
Orthotrichum rupestre (Sáez *et al.*, 2002)
Orthotrichum stramineum (Sáez *et al.*, 2002)
Oxystegus tenuirostris (Blockeel & Crundwell, 1987)
Philonotis marchica (Koppe, 1965)
Philonotis rigida (Koppe, 1965)
Physcomitrium pyriforme (Sáez *et al.*, 2006b)
Pleurozium subulatum (Pericàs & Rosselló, 2009)
Pohlia wahlenbergii (Koppe, 1965)
Pseudoleskeella catenulata (Rosselló, 1987)
Ptychostomum pseudotriquetrum (Rosselló, 1987)

Ptychostomum pseudotriquetrum var. *bimum* (Koppe, 1965)
Ptychostomum rubens (Koppe, 1965)
Rhynchostegiella teneriffae (Sáez *et al.*, 2006b)
Schistidium atrofusum (Pericàs, 2008)
Schistidium elegantulum subsp. *elegantulum* (Sáez *et al.*, 2002)
Schistidium elegantulum subsp. *wilsonii* (Blom, 1996)
Sciuro-hypnum plumosum (Pericàs & Rosselló, 2009)
Seligeria pusilla (Koppe, 1965)
Syntrichia handelii (Pericàs, 2008)
Syntrichia princeps (Cano *et al.*, 2001)
Syntrichia subpapillosissima (Pericàs, 2008)
Thuidium delicatulum (Sáez *et al.*, 2006b)
Timmia bavarica (Rosselló, 1986)
Tortula acaulon var. *pilifera* (Rosselló, 1986)
Tortula acaulon var. *retortifolia* (Sáez *et al.*, 2002)
Tortula freibergii (Sáez *et al.*, 2006b)
Tortula israelis (Pericàs & Rosselló, 2009)
Tortula lindbergii (Koppe, 1965)
Tortula revolvens (Blockeel & Crundwell, 1987)
Tortula wilsonii (Rodríguez y Femenías, 1904)
Weissia condensa var. *armata* (Cano *et al.*, 2001)
Weissia controversa var. *crispata* (Dunk, 1977)
Weissia levieri (Werner, 1995)
Weissia rutilans (Sáez *et al.*, 2006b)
Weissia squarrosa (Sáez *et al.*, 2002)
Weissia wimmeriana (Pericàs & Rosselló, 2009)
Zygodon viridissimus (Nicholson, 1907a)

CN – CANARY ISLANDS

Amblystegium serpens (Dixon, 1908)
Anomodon viticulosus (Dixon, 1908)
Brachythecium rivulare (Düll, 1980)
Brachythecium salebrosum (Montagne, 1840)
Bryoerythrophyllum recurvirostrum (Dirkse *et al.*, 1993)
Bryum apiculatum (Ochi, 1972)
Bryum violaceum (Smith, 2004)
Campylopus introflexus (Brullo *et al.*, 2004)
Cinclidotus fontinaloides (Sunding, 1967)
Crossidium aberrans (Dirkse *et al.*, 1993)
Ctenidium molluscum (Dirkse *et al.*, 1993)
Cyclodictyon laetevirens (Dirkse, 1985)

- Dicranella staphylina* (Smith, 2004)
Dicranum flagellare (Schimper, 1876)
Didymodon fallax (Düll, 1980)
Didymodon nicholsonii (González-Mancebo *et al.*, 2004)
Diphyscium foliosum (Dirkse & Losada-Lima, 2011)
Ditrichum pusillum (Crundwell *et al.*, 1978a)
Entosthodon duriaui (Winter, 1914)
Entosthodon fascicularis (Dirkse *et al.*, 1993)
Entosthodon hungaricus (Dirkse & Losada-Lima, 2011)
Fontinalis antipyretica subsp. *antipyretica* (Dixon, 1908)
Grimmia longirostris (Muñoz, 1998)
Grimmia nutans (Dirkse & Greven, 1993)
Grimmia orbicularis (Long *et al.*, 1981)
Heterocladium heteropterum (González-Mancebo *et al.*, 2008b)
Hylacomium splendens (Montagne, 1840)
Isoetichium alopecurooides (Dixon, 1908)
Lescuraea mutabilis (Montagne, 1840)
Leskea polycarpa (Schwab & Haustein, 1984)
Microcampylopus laevigatus (Dirkse *et al.*, 1993)
Neckera menziesii (Dirkse *et al.*, 1993)
Neckera pennata (Montagne, 1840)
Orthotrichum alpestre (González-Mancebo *et al.*, 2007)
Orthotrichum anomalum (Smith, 2004)
Orthotrichum patens (Koppe & Düll, 1986a)
Plagiomnium undulatum var. *madeirense* (Sérgio *et al.*, 2011)
Plasteurhynchium striatulum (Geheeb & Herzog, 1910)
Pogonatum urnigerum (Montagne, 1840)
Pohlia annotina (Dirkse *et al.*, 1993)
Pohlia elongata (Bryhn, 1908)
Ptychostomum bornholmense (Crundwell & Whitehouse, 2001)
Pyramidula tetragona (Dirkse *et al.*, 1993)
Racomitrium ellipticum (Dirkse & Bouman, 1990)
Rhabdoweisia crispata (González-Mancebo *et al.*, 2009b)
Rhynchostegium murale (Bryhn, 1908)
Sanionia uncinata (Bryhn, 1908)
Schistidium confertum (Blockeel, 2002)
Schistidium frigidum (Smith, 2004)
Scleropodium cespitans (Oberdorfer, 1965)
Scopelophila ligulata (Dirkse *et al.*, 1993)
Sphagnum compactum (Geheeb & Herzog, 1910)
Sphagnum palustre (Séneca & Söderström, 2009)
Syntrichia minor (Cano *et al.*, 2002)
Tortella alpica (Dirkse & Losada-Lima, 2011)
Tortella bambergeri (Dirkse & Losada-Lima, 2011)
Tortula israelis (Dort & Nieuwkoop, 2003)
Tortula protobryoides (Persson, 1939a)
Warnstorfia fluitans (Montagne, 1840)
- ## CO – CORSICA
- Acaulon fontiquerianum* (Sérgio *et al.*, 1993)
Acaulon mediterraneum (Sotiaux *et al.*, 2008)
Acaulon muticum (Düll, 1984)
Acaulon triquetrum (Sotiaux *et al.*, 2007)
Anoetangium aestivum (Düll, 1984)
Atrichum angustatum (Camus, 1903)
Brachytheciastrum collinum (Hébrard, 1978)
Brachythecium glareosum (Sotiaux *et al.*, 2008)
Bryoerythrophyllum recurvirostrum (Sotiaux *et al.*, 2008)
Bryum canariense (Camus, 1903)
Bryum gemmilucens (Sotiaux *et al.*, 2007)
Bryum kunzei (Sotiaux *et al.*, 2007)
Campyliadelphus elodes (Düll, 1985)
Campylopus gracilis (Sotiaux *et al.*, 2007)
Campylopus introflexus (Sotiaux *et al.*, 2008)
Campylostelium strictum (Camus, 1895)
Claopodium whippleanum (Düll, 1985)
Climacium dendroides (Sotiaux *et al.*, 2007)
Conardia compacta (Düll, 1985)
Cratoneuron curvicaule (Düll, 1985)
Cryphaea heteromalla (Sotiaux *et al.*, 2007)
Cynodontium polycarpon (Sotiaux *et al.*, 2007)
Dicranella howei (Düll, 1984)
Dicranella rufescens (Sotiaux *et al.*, 2007)
Dicranella schreberiana (Sotiaux *et al.*, 2008)
Dicranum bonjeanii (Sotiaux *et al.*, 2007)
Dicranum fuscescens (Sotiaux *et al.*, 2008)
Dicranum montanum (Hébrard, 1975)
Dicranum spadiceum (Sotiaux *et al.*, 2007)
Didymodon sinuosus (Sotiaux *et al.*, 2007)
Distichium capillaceum (Sotiaux *et al.*, 2008)
Ditrichum flexicaule (Sotiaux *et al.*, 2008)
Ditrichum pallidum (Camus, 1902)
Entosthodon duriaui (Blockeel *et al.*, 2002a)
Entosthodon fascicularis (Camus, 1902)
Entosthodon muhlenbergii (Gillot, 1878)
Ephemerum minutissimum (Sotiaux *et al.*, 2008)
Ephemerum serratum (Düll, 1985)
Fissidens bryoides var. *caespitans* (Sotiaux *et al.*, 2007)

- Fissidens crispus* (Sotiaux *et al.*, 2007)
Fissidens curvatus (Sotiaux *et al.*, 2007)
Fissidens gracilifolius (Sotiaux *et al.*, 2008)
Fissidens osmundoides (De Litardière, 1927)
Fissidens pusillus (Camus, 1895)
Fissidens rivularis (Sotiaux *et al.*, 2007)
Grimmia anodon (Sotiaux *et al.*, 2008)
Grimmia elatior (Hébrard, 2000)
Grimmia longirostris (Greven, 1995a)
Grimmia meridionalis (Maier, 2002)
Grimmia muehlenbeckii (Greven, 1995a)
Gymnostomum aeruginosum (Sotiaux *et al.*, 2007)
Hedwigia stellata (Sotiaux *et al.*, 2007)
Heterocladium flaccidum (Sotiaux *et al.*, 2007)
Homalothecium lutescens (Sotiaux *et al.*, 2008)
Homomallium incurvatum (Sotiaux *et al.*, 2008)
Hygroamblystegium varium (Hébrard, 1978)
Hygrohypnum eugyrium (Camus, 1903)
Hygrohypnum luridum (Sotiaux *et al.*, 2007)
Hymenostylium recurvirostrum (Düll, 1984)
Hyocomium armoricum (Camus, 1903)
Hypnum cupressiforme var. *resupinatum* (Sotiaux *et al.*, 2007)
Hypnum hamulosum (Camus, 1895)
Hypnum revolutum var. *dolomiticum* (Sotiaux *et al.*, 2008)
Imbricarium mildeanum (Camus, 1903)
Isopterygiopsis pulchella (Sotiaux *et al.*, 2007)
Loeskeobryum brevirostre (Sotiaux *et al.*, 2007)
Microbryum floerkeanum (Hébrard, 1977)
Mnium marginatum (Sotiaux *et al.*, 2007)
Mnium spinosum (Sotiaux *et al.*, 2007)
Mnium spinulosum (Sotiaux *et al.*, 2007)
Neckera menziesii (Sotiaux *et al.*, 2007)
Orthotrichum affine (Sotiaux *et al.*, 2007)
Orthotrichum alpestre (Sotiaux *et al.*, 2008)
Orthotrichum consimile (Düll, 1985)
Orthotrichum cupulatum var. *riparium* (Sotiaux *et al.*, 2007)
Orthotrichum ibericum (Sotiaux *et al.*, 2007)
Orthotrichum macrocephalum (Blockeel *et al.*, 2006b)
Orthotrichum pallens (Sotiaux *et al.*, 2007)
Orthotrichum pumilum (Sotiaux *et al.*, 2007)
Orthotrichum scanicum (Sotiaux *et al.*, 2007)
Orthotrichum schimperii (Sotiaux *et al.*, 2007)
Orthotrichum speciosum (Sotiaux *et al.*, 2008)
Orthotrichum urnigerum (Hébrard, 1986)
Oxyrrhynchium speciosum (Camus, 1903)
Oxystegus tenuirostris (Camus, 1902)
Physcomitrium pyriforme (Düll, 1985)
Plagiomnium cuspidatum (Hébrard, 1986)
Plagiomnium ellipticum (Sotiaux *et al.*, 2008)
Plagiomnium rostratum (Sotiaux *et al.*, 2008)
Plagiopus oederianus (Sotiaux *et al.*, 2007)
Plagiothecium cavifolium (Sotiaux *et al.*, 2007)
Plagiothecium curvifolium (Hébrard, 2004)
Plagiothecium succulentum (Sotiaux *et al.*, 2007)
Plasteurhynchium striatulum (Sotiaux *et al.*, 2008)
Pogonatum nanum (Camus, 1903)
Pohlia drummondii (Parriat, 1951)
Pohlia lescuriana (Sotiaux *et al.*, 2007)
Pohlia longicolla (Sotiaux *et al.*, 2007)
Pohlia lutescens (Sotiaux *et al.*, 2008)
Pohlia prolifera (Sotiaux *et al.*, 2007)
Polytrichum strictum (Camus, 1903)
Pseudoleskeella nervosa (Sotiaux *et al.*, 2008)
Pseudorhynchostegiella duriaui (Düll, 1985)
Ptychostomum compactum (Loiseau & Pierrot, 1986)
Ptychostomum creberrimum (Parriat, 1951)
Ptychostomum rubens (Hébrard, 1986)
Racomitrium macounii subsp. *macounii* (Frisvoll, 1988)
Rhabdoweisia fugax (Camus, 1902)
Rhizomnium magnifolium (Camus, 1903)
Rhynchostegium alopecuroides (Sotiaux *et al.*, 2007)
Sciuro-hypnum glaciale (Parriat, 1951)
Scleropodium cespitans (Camus, 1902)
Seligeria donniana (Sotiaux *et al.*, 2007)
Sphagnum centrale (Düll, 1984)
Sphagnum magellanicum (Düll, 1984)
Sphagnum russowii (Sotiaux *et al.*, 2007)
Sphagnum tenellum (Sotiaux *et al.*, 2007)
Sphagnum teres (Sotiaux *et al.*, 2007)
Syntrichia virescens (Sotiaux *et al.*, 2008)
Tetraphis pellucida (Camus, 1902)
Thuidium recognitum (Sotiaux *et al.*, 2008)
Timmia austriaca (Sotiaux *et al.*, 2008)
Timmia bavarica (Sotiaux *et al.*, 2008)
Timmia norvegica (Geissler, 1981)
Tortula brevissima (Sotiaux *et al.*, 2007)
Tortula hoppeana (Hébrard, 1986)
Tortula lindbergii (Camus, 1902)
Tortula pallida (Düll, 1984)
Tortula truncata (Camus, 1903)
Trichodon cylindricus (Sotiaux *et al.*, 2008)
Weissia wimmeriana (Camus, 1903)

CR – CRETE

- Alleniella besseri* (Düll & Düll-Hermanns, 1973)
Alleniella complanata (Medelius, 1927)
Aloina rigida (Düll, 1966)
Amblystegium serpens (Baumgartner, 1943)
Antitrichia curtispindula (Laflin, 1973)
Archidium alternifolium (Blockeel, 2007)
Brachytheciastrum dieckii (Orgaz *et al.*, 2010)
Bryum elegans (Laflin, 1973)
Bryum funkii (Düll, 1966)
Bryum intermedium (Schiffner, 1915)
Bryum klinggraeffii (Gradstein, 1970)
Bryum kunzei (Nicholson, 1907b)
Bryum ruderales (Papp, 2003)
Bryum schleicheri (Schiffner, 1915)
Bryum turbinatum (Düll, 1966)
Campyliadelphus elodes (Baumgartner, 1943)
Campylostelium pitardii (Düll & Düll-Hermanns, 1973)
Cinclidotus fontinaloides (Düll & Düll-Hermanns, 1973)
Cinclidotus riparius (Düll & Düll-Hermanns, 1973)
Cryphaea heteromalla (Düll, 1995e)
Dicranella heteromalla (Düll & Düll-Hermanns, 1973)
Dicranella rufescens (Düll, 1966)
Drepanocladus aduncus (Bergmeier, 2011)
Entosthodon commutatus (Bergmeier *et al.*, 2011)
Ephemerum crassinervium subsp. *sessile* (Papp, 2003)
Ephemerum recurvifolium (Papp, 2003)
Fabronia pusilla (Düll & Düll-Hermanns, 1973)
Fissidens crassipes subsp. *crassipes* (Düll, 1995e)
Fissidens exiguus (Düll, 1979)
Fissidens taxifolius subsp. *taxifolius* (Düll, 1995e)
Gigaspermum mouretii (Carratello & Aleffi, 1998)
Grimmia funalis (Düll, 1979)
Homalothecium lutescens var. *fallax* (Schiffner, 1915)
Hymenoloma crispulum (Düll, 1995e)
Hypnum andoi (Düll, 1995e)
Hypnum cupressiforme var. *filiforme* (Düll, 1966)
Hypnum cupressiforme var. *resupinatum* (Laflin, 1973)
Lescuraea incurvata (Blockeel, 2007)
Lescuraea radicata (Düll, 1966)
Leskea polycarpa (Düll, 1979)
Mnium hornum (Gradstein, 1970)
Orthotrichum pulchellum (Düll, 1979)
Orthotrichum pumilum (Düll, 1995e)
Orthotrichum schimperii (Düll, 1995e)
Oxystegus tenuirostris (Düll, 1995e)
Philonotis rigida (Düll & Düll-Hermanns, 1973)
Plagiomnium elatum (Gradstein, 1970)
Pleuridium subulatum (Gradstein, 1970)
Pohlia annotina (Gradstein, 1970)
Polytrichum uliginosum (Blockeel, 2007)
Pottiopsis caespitosa (Lüth & Frahm, 2008)
Pterigynandrum filiforme var. *filiforme* (Düll, 1995e)
Pterigynandrum filiforme var. *majus* (Düll, 1966)
Ptychostomum rubens (Laflin, 1973)
Rhynchostegium murale (Medelius, 1927)
Saelania glaucescens (Rungby, 1967)
Schistidium helveticum (Blom, 1996)
Scleropodium cespitosum (Lüth & Frahm, 2008)
Seligeria acutifolia (Gradstein, 1970)
Seligeria calycina (Düll, 1995e)
Syntrichia calcicola (Kramer, 1980)
Syntrichia papillosissima (Kramer, 1980)
Syntrichia ruralis var. *ruraliformis* (Kramer, 1980)
Syntrichia subpapillosissima (Gallego, 2005)
Tortella flavovirens var. *flavovirens* (Düll, 1995e)
Tortella inclinata var. *inclinata* (Schiffner, 1915)
Tortella tortuosa var. *fragilifolia* (Werner, 1998)
Tortula canescens (Blockeel, 2007)
Tortula muralis var. *aestiva* (Düll, 1979)
Tortula truncata (Düll & Düll-Hermanns, 1973)
Weissia levieri (Papp, 2003)
Weissia longifolia (Papp *et al.*, 1999)
Weissia rutilans (Papp *et al.*, 1999)

CY – CYPRUS

- Aschisma carniolicum* (Blockeel, 2003)
Aulacomnium androgynum (Juratzka, 1865)
Brachytheciastrum dieckii (Orgaz *et al.*, 2010)
Bryum elegans (Frahm *et al.*, 2009)
Bryum funkii (Koppe, 1976)
Bryum gemmiparum (Frahm *et al.*, 2009)
Bryum kunzei (Frahm *et al.*, 2009)

Calliergonella cuspidata (Juratzka, 1865)
Campylopus subulatus (Bilewsky, 1961)
Didymodon australasiae (Blockeel, 2003)
Fissidens viridulus var. *viridulus* (Frahm et al., 2009)
Grimmia elatior (Greven, 1994a)
Grimmia plagiopodia (Frahm et al., 2009)
Hedwigia ciliata (Juratzka, 1865)
Hedwigia ciliata var. *leucophaea* (Juratzka, 1865)
Hedwigia stellata (Blockeel, 2003)
Hymenoloma crispulum (Koppe, 1976)
Hypnum jutlandicum (Bilewsky, 1961)
Kindbergia praelonga (Juratzka, 1865)
Leptobryum pyriforme (Bilewsky, 1961)
Orthotrichum anomalum (Juratzka, 1865)
Orthotrichum ibericum (Frahm et al., 2009)
Orthotrichum macrocephalum (Frahm et al., 2009)
Orthotrichum pumilum (Frahm et al., 2009)
Orthotrichum speciosum (Frahm et al., 2009)
Orthotrichum speciosum var. *brevisetum* (Frahm et al., 2009)
Orthotrichum stramineum (Juratzka, 1865)
Orthotrichum striatum (Bizot, 1955)
Orthotrichum tortidonitium (Blockeel, 2003)
Oxyrrhynchium hians (Bilewsky, 1961)
Oxyrrhynchium speciosum (Koppe, 1976)
Palustriella commutata (Blockeel et al., 2007a)
Pleuroidium acuminatum (Townsend, 1965)
Pohlia wahlenbergii var. *calcareo* (Koppe, 1976)
Pseudocrossidium revolutum (Koppe, 1976)
Pseudoscleropodium purum (Juratzka, 1865)
Pterigynandrum filiforme var. *majus* (Townsend, 1965)
Pterygoneurum ovatum (Frahm et al., 2009)
Ptychostomum archangelicum (Bilewsky, 1961)
Ptychostomum pseudotriquetrum var. *bimum* (Townsend, 1965)
Ptychostomum zieri (Koppe, 1976)
Racomitrium affine (Bilewsky, 1961)
Rhynchostegiella curviseta (Koppe, 1976)
Rhynchostegiella litorea (Koppe, 1976)
Rhynchostegiella teneriffae (Blockeel et al., 2007a)
Rhynchostegium confertum (Bilewsky, 1961)
Schistidium atrofusum (Bilewsky, 1961)
Schistidium crassipilum (Frahm et al., 2009)
Schistidium helveticum (Blockeel, 2003)
Schistidium robustum (Frahm et al., 2009)
Sciuro-hypnum plumosum (Koppe, 1976)
Sciuro-hypnum populeum (Taylor, 1952)
Syntrichia calcicola (Gallego, 2005)

Syntrichia handelii (Blockeel, 2003)
Syntrichia sinensis (Bilewsky, 1961)
Syntrichia virescens (Frahm et al., 2009)
Tortella flavovirens var. *glareicola* (Townsend, 1965)
Tortella humilis (Townsend, 1965)
Tortella tortuosa var. *fragilifolia* (Bilewsky, 1961)
Tortula canescens (Frahm et al., 2009)
Tortula muralis var. *aestiva* (Frahm et al., 2009)
Tortula muralis subsp. *obtusifolia* (Taylor, 1952)
Tortula pallida (Juratzka, 1865)
Tortula solmsii (Koppe, 1976)
Zygodon catarinoides (Frahm et al., 2009)
Zygodon rupestris (Blockeel, 2003)

DZ – ALGERIA

Aloina brevirostris (Gallego et al., 1999)
Amblystegium serpens (Feldman, 1947)
Antitrichia curtispindula (Jelenc, 1955)
Brachymenium exile (Jelenc, 1955)
Brachythecium campestre (Bescherelle, 1882)
Brachythecium rivulare (Feldman, 1947)
Bryum gemmilucens (Arts & Nordhorn-Richter, 1986)
Bryum kunzei (Jelenc, 1967)
Campylopus flexuosus (Bescherelle, 1882)
Campylopus introflexus (Bescherelle, 1882)
Campylostelium strictum (Feldman, 1947)
Cirriphyllum crassinervium (Jelenc, 1967)
Cirriphyllum piliferum (Jelenc, 1955)
Coscinodon cribrosus (Jelenc, 1955)
Cynodontium bruntonii (Feldman, 1947)
Didymodon nicholsonii (Jiménez, 2006a)
Didymodon sicculus (Jiménez et al., 2004)
Ditrichum pusillum (Jelenc, 1955)
Entosthodon hungaricus (Trabut, 1922)
Fissidens arnoldii (Thériot, 1931)
Fissidens rivularis (Feldman, 1947)
Fontinalis squamosa (Bescherelle, 1882)
Funaria altissima (Dixon, 1931)
Grimmia hartmanii (Jelenc, 1955)
Grimmia montana (Jelenc, 1955)
Grimmia teretineris (Jelenc, 1955)
Grimmia tergestina (Corbière, 1905)
Gymnostomum aeruginosum (Jelenc, 1955)
Herzogiella seligeri (Bescherelle, 1882)
Hylocomium splendens (Bescherelle, 1882)
Hymenostylium recurvirostrum (Jelenc, 1955)
Isopterygiopsis pulchella (Jelenc, 1955)

Leptobryum pyriforme (Jelenc, 1955)
Leskea polycarpa (Jelenc, 1955)
Loeskeobryum brevirostre (Bescherelle, 1882)
Microbryum floerkeanum (Bescherelle, 1882)
Mnium hornum (Bescherelle, 1882)
Myurella tenerrima (Bescherelle, 1882)
Neckera pumila (Feldman, 1947)
Orthotrichum patens (Jelenc, 1955)
Orthotrichum philibertii (Blockeel *et al.*, 2003)
Orthotrichum stramineum (Trabut, 1914)
Oxystegus tenuirostris (Bescherelle, 1882)
Philonotis caespitosa (Pierrot, 2000)
Philonotis tomentella (Corbière, 1905)
Physcomitrium pyriforme (Bescherelle, 1882)
Plagiomnium cuspidatum (Jelenc, 1955)
Plasteurhynchium striatulum (Jelenc, 1955)
Platygyrium repens (Bescherelle, 1882)
Pleuroidium acuminatum (Pierrot, 2000)
Pleurozium schreberi (Jelenc, 1955)
Pogonatum urnigerum (Jelenc, 1955)
Pohlia annotina (Bescherelle, 1882)
Pohlia atropurpurea (Braun-Blanquet & Maire, 1924)
Pohlia elongata (Bescherelle, 1882)
Polytrichastrum alpinum (Jelenc, 1955)
Polytrichum commune (Pierrot, 2000)
Polytrichum piliferum (Jelenc, 1955)
Pseudoleskeella catenulata (Jelenc, 1967)
Pseudoleskeella rupestris (Jelenc, 1955)
Ptychostomum archangelicum (Bescherelle, 1882)
Pylaisia polyantha (Bescherelle, 1882)
Racomitrium canescens (Bescherelle, 1882)
Racomitrium heterostichum (Corbière, 1905)
Syntrichia fragilis (Gauthier, 1987)
Syntrichia handelii (Pierrot, 2000)
Syntrichia papillosissima (Gallego, 2005)
Syntrichia virescens (Jelenc, 1955)
Thuidium recognitum (Bescherelle, 1882)
Tortula acaulon var. *retortifolia* (Guerra *et al.*, 1991)
Tortula schimperii (Bizot, 1973)
Tortula viridifolia (Corbière, 1905)
Vesicularia reimersiana (Bizot & Potier de la Varde, 1952)
Weissia multicaularis (Corbière, 1905)
Zygodon forsteri (Jones, 1956)
Zygodon rupestris (Jelenc, 1967)

EG – EGYPT

Archidium alternifolium (Shabbara, 2006)
Barbula arcuata (Shabbara, 2006)
Barbula convoluta var. *sardoa* (Shabbara *et al.*, 2006)
Brachytheciastrum velutinum (Hart, 1891)
Brachytheciastrum velutinum var. *salicinum* (Bilewsky, 1965)
Brachythecium umbilicatum (Geheeb, 1904)
Bryum cellulare (Imam & Ghabbour, 1972)
Bryum kunzei (Imam & Ghabbour, 1972)
Bryum ruderales (Smith, 2004)
Bryum sauteri (Townsend, 1996)
Bryum schleicheri (Schimper, 1876)
Ceratodon purpureus (El-Saadawi *et al.*, 1987)
Cinclidotus riparius (El-Saadawi *et al.*, 1999)
Crossidium laxefilamentosum (Shabbara & El-Saadawi, 2006)
Crossidium squamiferum var. *pottioideum* (El-Saadawi *et al.*, 1999)
Dialytrichia mucronata (Frey & Kürschner, 1991)
Dicranella rufescens (El-Saadawi *et al.*, 1987)
Didymodon tectorum (El-Saadawi *et al.*, 1999)
Didymodon umbrosus (Shabbara, 2007)
Drepanocladus aduncus (Decaisne, 1834)
Entosthodon handelii (Imam & Ghabbour, 1972)
Entosthodon obtusus (Imam & Ghabbour, 1972)
Entosthodon planoconvexus (Shabbara, 1999)
Fissidens fontanus (Brotherus, 1924)
Fissidens gymnandrus (El-Saadawi *et al.*, 1987)
Fontinalis hypnoides (Ali, 2004)
Funaria anomala (Lorentz, 1868)
Grimmia laevigata (Hart, 1891)
Grimmia orbicularis (Herrnstadt *et al.*, 1982)
Hennediella stanfordensis (El-Saadawi *et al.*, 1999)
Leptobarbula berica (Shabbara, 2006)
Microbryum davallianum (Shabbara & El-Saadawi, 2006)
Microeurhynchium pumilum (Ochyra, 1995)
Orthotrichum rupestre (Abou Salama, 2001)
Philonotis fontana (Sickenberger, 1901)
Physcomitrium euryostomum subsp. *acuminatum* (Imam & Ghabbour, 1972)
Physcomitrium immersum (Shabbara, 1999)
Plaubelia sprengelii (Shabbara, 2006)
Pleuroidium subulatum (El-Saadawi & Abou El-Kheir, 1973)

- Pohlia atropurpurea* (Geheeb, 1904)
Pohlia melanodon (Lorentz, 1868)
Pterygoneurum subsessile (Bilewsky, 1974)
Ptychostomum archangelicum (Abou Salama & El-Saadawi, 2001b)
Ptychostomum creberrimum (El-Saadawi et al., 1999)
Racomitrium aciculare (Decaisne, 1834)
Schistidium apocarpum (Hart, 1891)
Splachnobryum limbatum (El-Saadawi et al., 1999)
Splachnobryum obtusum (El-Saadawi et al., 1999)
Syntrichia fragilis (Shabbara et al., 2006)
Syntrichia handelii (Blockeel et al., 2007b)
Syntrichia rigescens (Geheeb, 1903)
Syntrichia virescens (Blockeel et al., 2007b)
Tortella humilis (Abou Salama & El-Saadawi, 2001a)
Tortella inclinata (Refai, 2001)
Tortella tortuosa (El-Saadawi et al., 1999)
Tortula brevissima (El-Saadawi et al., 1999)
Tortula caucasica (El-Saadawi et al., 1999)
Tortula marginata (El-Saadawi et al., 1999)
Tortula wilsonii (Imam & Ghabbour, 1972)
Trichostomum brachydontium (Refai & El-Saadawi, 2000)
Weissia controversa (El-Saadawi et al., 1999)
Weissia controversa var. *crispata* (Abou Salama & El-Saadawi, 2004)
Weissia longifolia (Lorentz, 1868)
Weissia sinaloensis (Shabbara et al., 2009).
Zygodon obtusifolius (El-Saadawi et al., 1987)

ES – SPAIN

- Atrichum flavisetum* (Brugués et al., 2007a)
Campyliadelphus elodes (Casas & Girbal, 1998)
Campylopus setifolius (Allorge, 1935)
Cinclidotus vivesii (Ederra & Guerra, 2005)
Cleistocarpidium palustre (Simó, 1977)
Cratoneuron curvicaule (Höhnelt, 1895)
Cynodontium gracilescens (Lloret, 1989)
Dichelyma falcatum (Casas & Peñuelas, 1985)
Dicranodontium asperulum (Blockeel et al., 2002a)
Discelium nudum (Husnot, 1876)
Entosthodon kroonkurk (Dirkse & Brugués, 2010)
Ephemerum cohaerens (Infante & Heras, 2005)

- Ephemerum spinulosum* (Infante & Heras, 2005)
Fontinalis dalecarlica (Simó & Vigón, 1977)
Grimmia arenaria (Muñoz, 1998)
Grimmia horrida (Muñoz et al., 2009)
Henediella heimii (Fuertes Lasala, 1987)
Homalia webbiana (Allorge, 1935)
Hygrohypnum cochlearifolium (Renauld, 1883)
Hygrohypnum styriacum (Blockeel et al., 2006a)
Hypnum imponens (Fernández Ordóñez, 1988)
Hypnum uncinulatum (Ruiz et al., 2006)
Isopterygium tenerum (Allorge, 1937)
Oncophorus wahlenbergii (Lloret, 1989)
Orthodontium pellucens (Allorge, 1935)
Orthotrichum casasianum (Mazimpaka et al., 1999)
Orthotrichum consobrinum (Lara et al., 2009b)
Ptychomitrium incurvum (Lacoizqueta, 1885)
Ptychostomum arcticum (Allorge, 1935)
Ptychostomum compactum var. *rutheanum* (Reinoso & Viera, 1996)
Rhynchostegium confusum (Cezón et al., 2010)
Schistidium platyphyllum (Puche et al., 2006)
Schistidium pulchrum (García-Zamora et al., 1998a)
Sciuro-hypnum curtum (Ellis et al., 2010b)
Seligeria patula (Puche, 2006)
Sphagnum fuscum (Gauthier, 1991)
Syntrichia caninervis var. *abranthesii* (Luisier, 1924)
Syntrichia handelii (Gallego et al., 2002)
Tetrastichium fontanum (Rumsey & Vogel, 1999)
Timmia megapolitana (Allorge & Casas de Puig, 1976)
Tortella alpicola (Rams et al., 2006)
Tortula solmsii (Merino, 1916)
Ulota phyllantha (Fuertes Lasala & Martínez-Conde, 1989)
Zygodon stirtonii (Calabrese & Muñoz, 2008)

FR – FRANCE

- Barbula amplexifolia* (Skrzypczak, 2007)
Brachythecium erythrorrhizon (Wattez et al., 2008)
Bryum demaretianum (Felzines et al., 1998)
Bryum dyffrynense (De Zuttere, 2007)
Bryum minii (Skrzypczak, 1998)

- Cladopodium whippleanum* (Skrzypczak & Sapaly, 2005)
Cyclodictyon laetevirens (Roumeguère, 1870)
Didymodon glaucus (Skrzypczak, 2004)
Didymodon sicculus (Jiménez Fernández & Skrzypczak, 2003)
Entosthodon mouretii (Thouvenot, 2008)
Ephemerum spinulosum (Blockeel *et al.*, 2010)
Gymnostomum lanceolatum (Hébrard, 2003)
Hennediella stanfordensis (Whitehouse & Newton, 1988)
Hypnum cupressiforme var. *heseleri* (Werner, 1996)
Hypnum uncinulatum (Jeanbernat, 1864)
Orthotrichum vittii (Blockeel *et al.*, 2006b)
Ptychomitrium nigrescens (Hébrard & Desplanques, 1970)
Schistidium spinosum (Blom & Lüth, 2002)
Sciuro-hypnum tromsoeense (Draper & Hedenäs, 2008)
Seligeria carniolica (Dirkse *et al.*, 1990)
Sphagnum balticum (Zoller, 1954)
Sphagnum lindbergii (Gauthier & Pujos, 1999)
Syntrichia caninervis var. *astrakhanica* (Skrzypczak, 2006)
Syntrichia rigescens (Boudier, 1992)
Tortula bolanderi (Crundwell & Whitehouse, 1976)
Ulota calvescens (Bates & Hodgetts, 1995)
- GR – GREECE**
- Aloina brevirostris* (Gallego & Cano, 1998)
Anomodon longifolius (Ade & Koppe, 1955)
Blindia acuta (Blockeel, 2010)
Brachytheciastrum dieckii (Orgaz Álvarez & Blockeel, 2010)
Brachythecium campestre (Orgaz Álvarez & Blockeel, 2010)
Brachythecium geheebii (Orgaz Álvarez & Blockeel, 2010)
Brachythecium tommasinii (Orgaz Álvarez & Blockeel, 2010)
Bryum gemmilucens (Townsend, 1986)
Bryum intermedium (Taylor, 1952)
Bryum klinggraeffii (Blockeel, 1991)
Bryum valparaisense (Blockeel, 2010)
Bryum violaceum (Blockeel, 2010)
Bryum weigelii (Taylor, 1952)
Calliergonella giganteum (Ganiatsas, 1937)
Calliergonella lindbergii (Ade & Koppe, 1955)
Campylopus pilifer (Blockeel, 2010)
Campylostelium pitardii (Koppe, 1972)
Cinlidotus confertus (Lüth, 2002)
Cirriphyllum piliferum (Blockeel, 2010)
Coscinodon cribrosus (Gamisans & Hébrard, 1980)
Cratoneuron curvicaule (Düll, 1995c)
Crossidium squamiferum var. *pottioideum* (Schiffner & Baumgartner, 1919)
Dichelyma capillaceum (Mazziari, 1851)
Dichodontium palustre (Mazziari, 1851)
Dicranella rufescens (Geissler, 1977)
Dicranella subulata (Ganiatsas, 1937)
Dicranum bonjeanii (Blockeel, 2010)
Dicranum polysetum (Mazziari, 1851)
Dicranum spurium (Mazziari, 1851)
Didymodon glaucus (Düll, 1995e)
Didymodon umbrosus (Sabovljević *et al.*, 2008b)
Distichium inclinatum (Lüth, 2003)
Encalypta affinis (Blockeel, 2010)
Encalypta alpina (Lüth, 2003)
Encalypta microstoma (Blockeel, 2010)
Encalypta spathulata (Hausknecht, 1899)
Entosthodon commutatus (Hararas, 1976)
Entosthodon mouretii (Blockeel, 2010)
Entosthodon obtusus (Hararas, 1976)
Ephemerum serratum (Erzberger, 2006)
Fissidens gymnanthus (Krause *et al.*, 1963)
Fissidens ovatifolius (Blockeel, 1991)
Grimmia anomala (Blockeel, 2010)
Grimmia caespiticia (Blockeel, 2010)
Grimmia crinitoleucophaea (Blockeel, 2010)
Grimmia longirostris (Blockeel *et al.*, 2002b)
Grimmia nutans (Townsend, 1989)
Grimmia ramondii (Ade & Rechinger, 1938)
Grimmia torquata (Blockeel, 1991)
Hedwigia ciliata var. *ciliata* (Erzberger, 2006)
Hennediella stanfordensis (Blockeel, 1991)
Hygroamblystegium fluviatile (Bory de Saint-Vincent, 1832)
Hygroamblystegium varium var. *humile* (Papp *et al.*, 1998)
Hygrohypnum alpestre (Mazziari, 1851)
Hygrohypnum duriusculum (Blockeel, 2010)
Hygrohypnum eugyrium (Sabovljević *et al.*, 2008a)
Hypnum cupressiforme var. *resupinatum* (Hararas, 1976)
Hypnum fertile (Taylor, 1952)
Hypnum pallescens (Ganiatsas, 1937)
Hypnum recurvatum (Düll, 1995c)

- Imbriobryum mildeanum* (Ade & Koppe, 1955)
Lescuraea mutabilis (Geissler, 1977)
Lescuraea radicata (Vajda, 1959)
Leucodon flagellaris (Düll, 1995b)
Leucodon immersus (Reimers, 1957)
Loeskeobryum brevirostre (Juratzka, 1861)
Meesia longiseta (Mazziari, 1851)
Meesia triquetra (Ganiatsas, 1937)
Meesia uliginosa (Blockeel, 2010)
Mnium lycopodioides (Sabovljević *et al.*, 2008a)
Mnium spinosum (Zoller *et al.*, 1977)
Orthotrichum hispanicum (Lara *et al.*, 2003)
Orthotrichum laevigatum (Blockeel, 2010)
Orthotrichum macrocephalum (Lara *et al.*, 2003)
Orthotrichum patens (Ganiatsas, 1937)
Orthotrichum rogeri (Kindberg, 1887)
Orthotrichum tortidontium (Lara *et al.*, 2003)
Palamocladium euchloron (Düll, 1995c)
Paraleucobryum longifolium (Blockeel, 2010)
Paraleucobryum sauteri (Blockeel, 2010)
Philonotis seriata (Lüth, 2003)
Physcomitrella patens (Blockeel *et al.*, 2006b)
Plagiothecium curvifolium (Geissler, 1977)
Plagiothecium laetum (Düll, 1995a)
Plagiothecium succulentum (Geissler, 1977)
Platydictya jungermannioides (Düll, 1995c)
Pohlia elongata var. *elongata* (Krause *et al.*, 1963)
Pohlia longicolla (Bory de Saint-Vincent, 1832)
Pohlia ludwigii (Coppey, 1907)
Polytrichastrum sexangulare (Lüth, 2003)
Polytrichum commune (Tsakiri *et al.*, 2006)
Polytrichum longisetum (Taylor, 1952)
Pseudophemerum nitidum (Düll, 1995b)
Pseudoleskeella tectorum (Vajda, 1959)
Pseudotaxiphyllum elegans (Düll, 1995a)
Ptilium crista-castrensis (Juratzka, 1861)
Ptychostomum bornholmense (Townsend, 1987)
Ptychostomum compactum (Ganiatsas, 1937)
Pylaisia polyantha (Hararas, 1976)
Racomitrium aquaticum (Geissler, 1977)
Racomitrium ericoides (Coppey, 1907)
Racomitrium heterostichum (Brenan, 1973)
Racomitrium lanuginosum (Taylor, 1952)
Rhodobryum roseum (Geissler, 1977)
Rhynchostegiella litorea (Sabovljević *et al.*, 2008b)
Rhynchostegiella tenella var. *meridionalis* (Coppey, 1909)
Rhynchostegiella tenuicaulis (Sauer, 1995)
Rhynchostegium alopecuroides (Ade & Koppe, 1955)
Rhytidium rugosum (Taylor, 1952)
Schistidium brunnescens subsp. *brunnescens* (Blom, 1996)
Schistidium brunnescens subsp. *griseum* (Lüth, 2003)
Schistidium pruinosum (Blockeel, 2010)
Sciuro-hypnum glaciale (Orgaz Álvarez & Blockeel, 2010)
Sciuro-hypnum ornellanum (Sabovljević *et al.*, 2008a)
Sciuro-hypnum plumosum (Orgaz Álvarez & Blockeel, 2010)
Sciuro-hypnum starkei (Preuss & Düll, 1995)
Sciuro-hypnum tromsoeense (Orgaz Álvarez & Blockeel, 2010)
Seligeria donniana (Blockeel, 2010)
Seligeria pusilla (Greville, 1827)
Seligeria recurvata (Gamisans & Hébrard, 1980)
Sematophyllum substrumulosum (Preuss & Düll, 1995)
Serpoleskea confervoides (Düll, 1995d)
Sphagnum angustifolium (Tsakiri *et al.*, 2006)
Sphagnum auriculatum (Tsakiri *et al.*, 2006)
Sphagnum capillifolium (Juratzka, 1861)
Sphagnum centrale (Blockeel, 2010)
Sphagnum contortum (Athanasiadis, 1977)
Sphagnum cuspidatum (Yiannitsaros & Koumpli-Sovantzi, 1990)
Sphagnum platyphyllum (Blockeel, 2010)
Straminergon stramineum (Mazziari, 1851)
Syntrichia caninervis var. *caninervis* (Gallego, 2005)
Syntrichia minor (Blockeel *et al.*, 2002b)
Syntrichia montana var. *calva* (Coppey, 1909)
Tetraphis pellucida (Geissler, 1977)
Thuidium delicatulum (Erzberger, 2006)
Timmiella flexiseta (Rajczy, 1979)
Tortella inclinata var. *densa* (Düll, 1995c)
Tortula brevissima (Blockeel, 2010)
Tortula israelis (Blockeel *et al.*, 2002b)
Tortula pallida (Blockeel, 1991)
Tortula viridifolia (Blockeel *et al.*, 2002b)
Trichodon cylindricus (Damm & Düll, 1995)
Warnstorfia fluitans (Mazziari, 1851)
Zygodon catarinói (Calabrese & Muñoz, 2008)
Zygodon conoideus (Hararas, 1976)
Zygodon viridissimus (Preuss & Düll, 1995)

HR – CROATIA

Anomodon rostratus (Papp & Sabovljević, 2009)
Barbula consanguinea (Köckinger *et al.*, 2012b)
Brachydontium trichodes (Papp & Sabovljević, 2009)
Brachytheciastrum olympicum (Papp & Sabovljević, 2009)
Calliergonella lindbergii (Papp & Sabovljević, 2009)
Cyrtomnium hymenophylloides (Blockeel *et al.*, 2009c)
Grimmia dissimulata (Papp & Sabovljević, 2009)
Grimmia hartmanii (Papp & Sabovljević, 2009)
Palustriella falcata (Papp & Sabovljević, 2009)
Plagiothecium nemorale (Papp & Sabovljević, 2009)
Ptychostomum pallens (Papp & Sabovljević, 2009)
Schistidium dupretii (Papp & Sabovljević, 2009)
Scorpidium cossonii (Papp & Sabovljević, 2009)
Taxiphyllum densifolium (Papp & Sabovljević, 2009)

IL – ISRAEL

Brachytheciastrum dieckii (Orgaz *et al.*, 2010)
Bryum gemmilucens (Herrnstadt *et al.*, 1991)
Crossidium aberrans (Herrnstadt *et al.*, 1991)
Gyroweisia tenuis (Herrnstadt *et al.*, 1991)
Microbryum rectum (Herrnstadt *et al.*, 1982)
Oxyrrhynchium schleicheri (Herrnstadt *et al.*, 1991)
Philonotis calcarea (Herrnstadt *et al.*, 1991)
Pyramidula tetragona (Herrnstadt *et al.*, 1982)
Syntrichia rigescens (Herrnstadt *et al.*, 1991)
Tortella inclinata (Herrnstadt *et al.*, 1991)
Tortula caucasica (Ros & Herrnstadt, 2010)
Weissia squarrosa (Herrnstadt *et al.*, 1991)

IT – ITALY

Anacolia webbii (Campisi *et al.*, 2003)
Andreaea heinemannii (Blockeel *et al.*, 1999a)
Bartramia breviseta (Capra, 1905)

Bruchia flexuosa (Schimper, 1864)
Bryoerythrophyllum ferruginascens (Blockeel *et al.*, 1999b)
Bryum cellulare (Roth, 1904-1905)
Bryum subapiculatum (Brusa, 1999)
Bryum violaceum (Preston & Blockeel, 2006)
Bryum warneum (De Notaris, 1869)
Campylostelium pitardii (Preston & Blockeel, 2006)
Campylostelium strictum (Zodda, 1907c)
Crossidium aberrans (Puntillo, 2004)
Crossidium geheebii (Privitera & Puglisi, 2000a)
Dendrocryphaea lamyana (Lindberg, 1881)
Dicranum groenlandicum (Trautmann, 1911)
Didymodon australasiae (Aleffi *et al.*, 2004a)
Didymodon johansenii (Spitale *et al.*, 2012)
Didymodon nicholsonii (Jiménez *et al.*, 2003)
Ephemerum minutissimum (Düll, 1984)
Gymnostomum lanceolatum (Aleffi *et al.*, 2004b)
Helicodontium capillare (De Notaris, 1869)
Hygrohypnum polare (Blockeel *et al.*, 2004)
Hypopterygium tamarisci (Aleffi *et al.*, 2010)
Leptodontium styriacum (Kern, 1908)
Molendoa hornschurchiana (Dalla Torre & Sarthein, 1904)
Molendoa tenuinervis (Röll, 1897)
Myrinia pulvinata (Garovaglio, 1844)
Nyholmiella gymnostoma (Lara *et al.*, 2004a)
Orthotrichum cupulatum var. *fuscum* (Trautmann, 1911)
Pelekium minutulum (Filipello, 1964)
Pohlia flexuosa (Blockeel *et al.*, 2002a)
Polytrichum swartzii (Zodda, 1912)
Pseudocrossidium replicatum (Privitera & Puglisi, 2000b)
Ptychostomum bornholmense (Mazzoleni *et al.*, 1993)
Racomitrium obtusum (Bottini, 1913)
Rhynchostegiella tenuicaulis (Cortini, 1960)
Rhynchostegium strongylense (Buck & Privitera, 1999)
Schistidium elegantulum subsp. *wilsonii* (Blom, 1996)
Sciuro-hypnum tromsoense (Blockeel *et al.*, 2010)
Seligeria campylopoda (Gos & Ochyra, 1994)
Seligeria diversifolia (Giacomini, 1939)
Sphagnum riparium (Tosco, 1951-1962)
Splachnum vasculosum (Röll, 1897)
Syntrichia papillosissima (Farneti, 1888)
Thamnobryum neckeroides (Mastracci, 2003)
Timmiella flexiseta (Bizot & Fraux, 1962)
Tortula pallida (Bottini, 1913)
Tortula viridifolia (Zodda, 1909)
Weissia multicapsularis (Geheeb, 1886)

JO – JORDAN

Bryum funkii (Frey & Kürschner, 1983)
Bryum radiculosum (Frey & Kürschner, 1983)
Crossidium aberrans (El-Oqlah *et al.*, 1988)
Ditrichum pusillum (El-Oqlah *et al.*, 1988)
Encalypta intermedia (Frey & Kürschner, 1994)
Entosthodon fascicularis (El-Oqlah *et al.*, 1988)
Eurhynchium angustirete (El-Oqlah *et al.*, 1988)
Fabronia pusilla (El-Oqlah & Lahham, 1985)
Fissidens crassipes subsp. *crassipes* (El-Oqlah *et al.*, 1988)
Grimmia ovalis (El-Oqlah *et al.*, 1988)
Orthotrichum striatum (Frey & Kürschner, 1995)
Ptychostomum pseudotriquetrum var. *pseudotriquetrum* (El-Oqlah *et al.*, 1988)
Ptychostomum torquescens (Frey & Kürschner, 1983)
Rhynchostegiella tenella (El-Oqlah & Lahham, 1985)
Syntrichia laevipila (Frey & Kürschner, 1995)
Syntrichia papillosissima (Frey & Kürschner, 1983)
Tortula acaulon var. *pilifera* (El-Oqlah & Lahham, 1985)
Tortula viridifolia (El-Oqlah *et al.*, 1988)
Weissia ovatifolia (Kürschner, 1995)

LE – LEBANON

Aloina bifrons (Gallego *et al.*, 1999)
Anomodon viticulosus (Geheeb, 1902)
Antitrichia californica (Geheeb, 1902)
Aulacomnium palustre (Geheeb, 1902)
Barbula convoluta var. *sardoa* (Bilewsky & Nachmony, 1955)
Brachymenium exile (Bizot, 1942)
Brachytheciastrum trachypodium (Henderson & Muirhead, 1956)
Brachythecium rutabulum (Henderson & Muirhead, 1956)
Bryum schleicheri (Bizot, 1955)
Bryum subapiculatum (Bilewsky & Nachmony, 1955)
Campylopus fragilis (Kürschner, 2010)
Cinclidotus fontinaloides (Geheeb, 1902)
Cinclidotus riparius (Bilewsky & Nachmony, 1955)

Cratoneuron filicinum (Henderson & Muirhead, 1956)
Dialytrichia mucronata (Henderson & Muirhead, 1956)
Dicranodontium denudatum (Kürschner, 2010)
Didymodon australasiae (Jiménez, 2006b)
Didymodon cordatus (Kürschner, 2010)
Didymodon icmadophilus (Kürschner, 2010)
Ditrichum flexicaule (Kürschner, 1996)
Encalypta rhapsocarpa var. *rhapsocarpa* (Henderson & Muirhead, 1956)
Entosthodon convexus (Henderson & Muirhead, 1956)
Entosthodon fascicularis (Kürschner, 1996)
Eucladium verticillatum (Bornmüller, 1914)
Eurhynchium striatum (Kürschner, 2010)
Fissidens bryoides (Walther, 1970)
Fissidens crassipes subsp. *crassipes* (Henderson & Muirhead, 1956)
Fissidens viridulus var. *viridulus* (Bilewsky & Nachmony, 1955)
Funaria microstoma (Kürschner, 1996)
Grimmia laevigata (Henderson & Muirhead, 1956)
Habrodon perpusillus (Bizot, 1955)
Heterocladium heteropterum (Kürschner, 2010)
Homalothecium lutescens var. *fallax* (Bornmüller, 1914)
Homalothecium philippeanum (Bizot, 1955)
Hygroamblystegium tenax (Henderson & Muirhead, 1956)
Hymenostylium recurvirostrum var. *recurvirostrum* (Bizot, 1955)
Imbribryum mildeanum (Rungby, 1959)
Leptobryum pyriforme (Henderson & Muirhead, 1956)
Microbryum davallianum (Bilewsky & Nachmony, 1955)
Microeurhynchium pumilum (Kürschner, 2010)
Mnium spinulosum (Kürschner, 2010)
Nogopterium gracile (Geheeb, 1902)
Oxyrrhynchium schleicheri (Kürschner, 2010)
Oxystegus tenuirostris (Bilewsky & Nachmony, 1955)
Philonotis laxitexta (Kürschner, 2010)
Philonotis marchica (Kürschner, 2010)
Philonotis rigida (Henderson & Muirhead, 1956)
Plagiomnium elatum (Bilewsky & Nachmony, 1955)
Pohlia elongata var. *elongata* (Bizot *et al.*, 1955)

Pohlia wahlenbergii var. *wahlenbergii* (Geheeb, 1902)
Polytrichum longisetum (Geheeb, 1902)
Pseudocrossidium hornschurchianum (Henderson & Muirhead, 1956)
Pseudocrossidium revolutum (Rungby, 1959)
Ptychostomum boreale (Henderson & Muirhead, 1956)
Ptychostomum pallens (Henderson & Muirhead, 1956)
Ptychostomum pseudotriquetrum var. *pseudotriquetrum* (Kürschner, 2010)
Rhabdoweisia crispata (Bizot, 1955)
Schistidium atrofusum (Bilewsky & Nachmony, 1955)
Schistidium flaccidum (Henderson & Muirhead, 1956)
Syntrichia minor (Bizot, 1955)
Timmia anomala (Kürschner, 1996)

LY – LIBYA

Brachythecium salebrosum (Pampanini, 1931)
Bryum canariense (Pampanini, 1931)
Bryum valparaisense (Arts *et al.*, 1995)
Distichium capillaceum (Andreánszky, 1934)
Drepanocladus aduncus (Zodda, 1926)
Fabronia pusilla (Shabbara & Ghanem, 2006)
Fissidens rufulus (Pampanini, 1931)
Funariella curviseta (Pampanini, 1931)
Gyroweisia reflexa (Pampanini, 1931)
Hypnum cupressiforme var. *lacunosum* (Pampanini, 1931)
Leptodon smithii (Pampanini, 1931)
Microeurhynchium pumilum (Pampanini, 1931)
Orthotrichum anomalum (Andreánszky, 1934)
Orthotrichum schimperi (Youssef *et al.*, 2009a)
Pohlia atropurpurea (Pampanini, 1931)
Rhynchostegiella curviseta (Zodda, 1926)
Rhynchostegiella litorea (Zodda, 1926)
Rhynchostegium confertum (Pampanini, 1931)
Sciuro-hypnum populeum (Zodda, 1926)
Syntrichia laevipila (Pampanini, 1931)
Tortella inflexa (Bottini, 1914)
Tortella tortuosa (Zodda, 1914)
Tortula acaulon var. *pilifera* (Pampanini, 1931)
Tortula atrovirens (Durand & Barrate, 1910)
Tortula canescens (Zodda, 1913)
Zygodon catarinói (Youssef *et al.*, 2009b)

MA – MOROCCO

Amblyodon dealbatus (Ros *et al.*, 2000)
Anomobryum julaceum (Rauh, 1952)
Aulacomnium androgynum (Braun-Blanquet & Maire, 1924)
Barbula enderesii (Jiménez *et al.*, 2002)
Brachytheciastrum bellicum (Buck *et al.*, 2001)
Brachytheciastrum collinum (Ros *et al.*, 2000)
Brachytheciastrum olympicum (Maire, 1934)
Brachythecium albicans (Emberger & Maire, 1928)
Brachythecium laetum (Braun-Blanquet & Wilczek, 1923)
Bryum funkii (Rauh, 1952)
Bryum intermedium (Jelenc, 1955)
Bryum klinggraeffii (Ros *et al.*, 2000)
Campyliadelphus chrysophyllus (Jiménez *et al.*, 2002)
Campylium stellatum (Jelenc, 1955)
Campylopus introflexus (Jelenc, 1955)
Campylopus pilifer (Corbière & Pitard, 1913)
Ceratodon conicus (Amann, 1924)
Ceratodon purpureus subsp. *stenocarpus* (Jelenc, 1955)
Cirriphyllum crassinervium (Ros *et al.*, 2000)
Cirriphyllum piliferum (Corbière, 1913a)
Conardia compacta (Jovet-Ast, 1955)
Coscinodon cribrerosus (Maire, 1934)
Dichelyma falcatum (Rauh, 1952)
Ditrichum flexicaule (Jelenc, 1955)
Drepanocladus sendtneri (Jelenc, 1955)
Encalypta alpina (Maire, 1934)
Ephemerum minutissimum (Jelenc, 1955)
Ephemerum serratum (Corbière, 1913a)
Fissidens rivularis (Ros *et al.*, 2000)
Fontinalis squamosa (Maire, 1934)
Funaria microstoma (Corbière, 1913a)
Grimmia crinita (Corbière, 1913a)
Grimmia decipiens (Jelenc, 1967)
Grimmia dissimulata (Maier, 2002)
Grimmia mollis (Ros *et al.*, 2000)
Grimmia muehlenbeckii (Meylan, 1931)
Gymnostomum lanceolatum (Jiménez *et al.*, 2002)
Hedwigia ciliata var. *leucophaea* (Jiménez *et al.*, 2002)
Hygroamblystegium varium (Werner, 1932)
Hylocomium splendens (Corbière, 1914)
Hymenostylium hildebrandtii (Cano *et al.*, 2002)
Hyocmium armoricum (Ros *et al.*, 2000)
Hypnum pallescens (Jelenc, 1955)

Leptobryum pyriforme (Jelenc, 1955)
Microbryum rectum (Jelenc, 1955)
Mnium thomsonii (Maire, 1934)
Molendoa hornschurchiana (Gattefossé & Werner, 1935)
Oxyrrhynchium schleicheri (Jiménez *et al.*, 2002)
Palustriella decipiens (Maire, 1934)
Philonotis seriata (Jelenc, 1955)
Physcomitrium pyriforme (Corbière, 1913b)
Plagiomnium cuspidatum (Maire, 1924)
Pottiopsis caespitosa (Braun-Blanquet & Wilczek, 1923)
Pseudophemerum nitidum (Maire, 1934)
Pseudoleskeella catenulata (Jiménez *et al.*, 2002)
Pseudoleskeella tectorum (Ros *et al.*, 2000)
Ptychostomum archangelicum (Andreánszky, 1934)
Ptychostomum creberrimum (Jelenc, 1955)
Ptychostomum cyclophyllum (Corbière, 1913a)
Ptychostomum zieri (Gattefossé & Werner, 1935)
Rhynchostegiella teneriffae (Ros *et al.*, 2000)
Rhytidium rugosum (Corbière, 1914)
Sanionia uncinata (Jelenc, 1955)
Schistidium brunnescens subsp. *griseum* (Jiménez *et al.*, 2002)
Schistidium cinclidodonteum (Ros *et al.*, 2000)
Schistidium rivulare (Ros *et al.*, 2000)
Scopelophila ligulata (Corbière & Pitard, 1913)
Scorpidium revolvens (Ahayoun *et al.*, 2007)
Scorpiurium sendtneri (Jiménez *et al.*, 2002)
Seligeria acutifolia (Jiménez *et al.*, 2002)
Sphagnum subnitens (Muller *et al.*, 2011)
Syntrichia rigescens (Gallego *et al.*, 2002)
Timmia anomala (Jelenc, 1955)
Tortula bolanderi (Ros *et al.*, 2000)
Tortula guelpinii (Ros *et al.*, 2000)
Tortula israelis (Draper *et al.*, 2005)
Tortula mucronifera (Cano *et al.*, 2002)
Tortula mucronifolia (Gattefossé & Werner, 1935)
Tortula pallida (Jelenc, 1955)
Tortula wilsonii (Gattefossé & Werner, 1935)
Weissia levieri (Ros *et al.*, 2000)
Zygodon gracilis (Corbière & Pitard, 1913)

MD – MADEIRA

Andreaea rothii subsp. *rothii* (Casas *et al.*, 1996)
Archidium alternifolium (Nieuwkoop & Arts, 1995)
Bryoerythrophyllum recurvirostrum (Koppe & Düll, 1986b)
Bryum ruderale (Sérgio & Nóbrega, 1985)
Bryum sauteri (Nieuwkoop & Arts, 1995)
Campylopus brevipilus (Luís *et al.*, 2008)
Campylopus cygneus (Stech *et al.*, 2010)
Campylopus subulatus (Stech *et al.*, 2007)
Dialytrichia saxicola (Sérgio & Sim-Sim, 1984)
Dichodontium flavescens (Luisier, 1943)
Didymodon australasiae (Jiménez *et al.*, 2005)
Ephemerum crassinervium subsp. *sessile* (Kürschner *et al.*, 2008)
Ephemerum serratum (Sérgio & Fontinha, 1994)
Fissidens bryoides var. *caespitans* (Luisier, 1953)
Fissidens ovatifolius (Lobo *et al.*, 2011)
Fissidens sublimbatus (Ellis *et al.*, 2010a)
Grimmia orbicularis (Greven, 1995a)
Hylocomium splendens (Hedenäs, 1992)
Hymenostylium recurvirostrum (Nieuwkoop & Arts, 1995)
Leptodontium flexifolium (Sérgio, 2001)
Orthotrichum acuminatum (Sim-Sim *et al.*, 2008)
Philonotis seriata (Ellis *et al.*, 2011c)
Pleurozium schreberi (Nóbrega, 1990)
Pohlia bolanderi (Ellis *et al.*, 2011c)
Pohlia melanodon (Luís *et al.*, 2008)
Pottiopsis caespitosa (Ellis *et al.*, 2010a)
Rhynchostegiella trichophylla (Ellis *et al.*, 2011b)
Schistidium agassizii (Düll, 1984)
Schistidium strictum (Blom, 1996)
Syntrichia latifolia (Luís *et al.*, 2008)
Syntrichia montana var. *calva* (Kürschner *et al.*, 2008)
Tortula bolanderi (Sérgio *et al.*, 1994a)
Tortula pallida (Ellis *et al.*, 2010a)

ME – MONTENEGRO

Calliargon cordifolium (Martinčić, 2009)
Cheilothea chloropus (Erzberger *et al.*, 2008)
Dicranella rufescens (Papp & Erzberger, 2010)

- Dicranella staphylina* (Papp & Erzberger, 2010)
Dicranum spadiceum (Papp & Erzberger, 2010)
Encalypta microstoma (Erzberger *et al.*, 2008)
Fissidens adianthoides (Papp & Erzberger, 2010)
Fissidens pusillus (Papp & Erzberger, 2010)
Grimmia anomala (Erzberger *et al.*, 2008)
Grimmia torquata (Erzberger *et al.*, 2008)
Heterocladium heteropterum (Papp & Erzberger, 2010)
Hypnum hamulosum (Papp & Erzberger, 2010)
Orthotrichum acuminatum (Erzberger *et al.*, 2008)
Pogonatum nanum (Erzberger *et al.*, 2008)
Pseudotaxiphyllum elegans (Erzberger *et al.*, 2008)
Ptychostomum pseudotriquetrum var. *pseudotriquetrum* (Papp & Erzberger, 2010)
Schistidium dupretii (Erzberger *et al.*, 2008)
Schistidium papillosum (Erzberger *et al.*, 2008)
Schistidium umbrosum (Erzberger *et al.*, 2008)
Scorpidium scorpioides (Papp & Erzberger, 2010)
Seligeria acutifolia (Papp & Erzberger, 2010)
Seligeria donniana (Papp & Erzberger, 2010)
Sphagnum angustifolium (Papp & Erzberger, 2010)
Syntrichia virescens (Erzberger *et al.*, 2008)
Taxiphyllum wissgrillii (Erzberger *et al.*, 2008)
Trematodon ambiguus (Erzberger *et al.*, 2008)
Ulota bruchii (Erzberger *et al.*, 2008)
- Dicranum bonjeanii* (Martinčič, 2009)
Drepanocladus polygamus (Martinčič, 2009)
Encalypta microstoma (Martinčič, 2009)
Entosthodon pulchellus (Martinčič, 2009)
Grimmia caespiticia (Martinčič, 2009)
Grimmia donniana (Martinčič, 2009)
Grimmia longirostris (Martinčič, 2009)
Hedwigia stellata (Martinčič, 2009)
Homalothecium aureum (Martinčič, 2009)
Hygrohypnum duriusculum (Martinčič, 2009)
Hypnum andoi (Martinčič, 2009)
Hypnum cupressiforme var. *lacunosum* (Martinčič, 2009)
Hypnum cupressiforme var. *resupinatum* (Martinčič, 2009)
Hypnum imponens (Martinčič, 2009)
Hypnum jutlandicum (Martinčič, 2009)
Hypnum sauteri (Martinčič, 2009)
Isopterygiopsis pulchella (Martinčič, 2009)
Lescurea saxicola (Martinčič, 2009)
Molendoa sendneriana (Martinčič, 2009)
Neckera pumila (Martinčič, 2009)
Oxyrrhynchium hians (Martinčič, 2009)
Plagiomnium cuspidatum (Martinčič, 2009)
Plagiomnium elatum (Martinčič, 2009)
Plagiothecium curvifolium (Martinčič, 2009)
Pterygoneurum ovatum (Martinčič, 2009)
Racomitrium ericoides (Martinčič, 2009)
Rhynchostegium murale (Martinčič, 2009)
Sciuro-hypnum oedipodium (Martinčič, 2009)
Sciuro-hypnum populeum (Martinčič, 2009)
Sciuro-hypnum starkii (Martinčič, 2009)
Scorpidium cossonii (Martinčič, 2009)
Sphagnum inundatum (Martinčič, 2009)
Syntrichia norvegica (Martinčič, 2009)
Syntrichia ruralis var. *ruraliformis* (Martinčič, 2009)
Tortula atrovirens (Martinčič, 2009)
Tortula hoppeana (Martinčič, 2009)
Tortula lindbergii (Martinčič, 2009)
Weissia longifolia (Martinčič, 2009)

MK – MACEDONIA

- Abietinella abietina* (Martinčič, 2009)
Aloina brevirostris (Martinčič, 2009)
Amphidium mougeotii (Martinčič, 2009)
Andreaea alpestris (Martinčič, 2009)
Aulacomnium androgynum (Martinčič, 2009)
Brachythecium campestre (Martinčič, 2009)
Brachythecium glareosum (Martinčič, 2009)
Bryum intermedium (Martinčič, 2009)
Campyliadelphus elodes (Martinčič, 2009)
Campylium protensum (Martinčič, 2009)
Campylium stellatum (Martinčič, 2009)
Cirriphyllum piliferum (Martinčič, 2009)

MT – MALTA

- Acaulon muticum* (Baur, 1891)
Acaulon triquetrum (Baur, 1891)
Barbula bolleana (Bottini, 1907)
Brachytheciastrum velutinum (Mifsud, 2012)
Bryum gemmiparum (Mifsud, 2012)
Bryum intermedium (Bottini, 1907)
Calliergonella cuspidata (Bottini, 1907)
Crossidium crassinervium (Baur, 1891)
Didymodon insulanus (Lanfranco, 1989)
Didymodon rigidulus (Bottini, 1907)
Entosthodon fascicularis (Baur, 1891)

Entosthodon hungaricus (Mifsud, 2012)
Fissidens bryoides (Frahm & Lüth, 2008)
Fissidens gracilifolius (Frahm & Lüth, 2008)
Fissidens taxifolius (Dia *et al.*, 1987)
Gyroweisia reflexa (Bottini, 1907)
Gyroweisia tenuis (Dia *et al.*, 1987)
Hygroamblystegium varium var. *humile*
 (Mifsud, 2012)
Imbriobryum mildeanum (Bottini, 1907)
Kindbergia praelonga (Dia *et al.*, 1987)
Microbryum curvicolleum (Baur, 1891)
Ptychostomum boreale (Bottini, 1907)
Ptychostomum pseudotriquetrum var.
bimum (Baur, 1891)
Ptychostomum rubens (Mifsud, 2012)
Rhynchostegiella litorea (Mifsud, 2012)
Scorpiurium deflexifolium (Sommier &
 Caruana Gatto, 1915)
Tortella flavovirens var. *papillosissima*
 (Mifsud, 2012)
Tortella inclinata (Lanfranco, 1989)
Tortella squarrosa (Brizi, 1890)
Tortula acaulon var. *pilifera* (Frahm & Lüth,
 2008)
Tortula freibergii (Mifsud, 2012)
Tortula vahliana (Mifsud, 2012)
Weissia controversa var. *crispata* (Frahm &
 Lüth, 2008)
Weissia wimmeriana (Bottini, 1907)

PT – PORTUGAL

Acaulon fontiquerianum (Sérgio *et al.*, 1993)
Acaulon triquetrum (Sérgio *et al.*, 1984)
Aloina rigida (Gallego, 2006c)
Blindia acuta (Vieira *et al.*, 2007)
Brachydontium trichodes (Machado, 1917)
Brachytheciastrum olympicum (Sérgio &
 Silva, 2007)
Bryum klinggraeffii (Townsend, 1994)
Bryum kunzei (Ellis *et al.*, 2011d)
Bryum sauteri (Blockeel *et al.*, 2010)
Bryum subapiculatum (Sérgio *et al.*, 2001a)
Bryum tenuisetum (Blockeel *et al.*, 2010)
Campyliadelphus chrysophyllus (Allorge,
 1931a)
Campyllum stellatum (Sérgio, 1968-1969)
Campylostelium pitardii (Sérgio *et al.*, 1988)
Cyclodictyon laetevirens (Machado, 1932)
Dichodontium pellucidum (Vieira *et al.*,
 2007)
Didymodon australasiae (Sérgio & Pistoro,
 2007)
Didymodon erosus (Werner *et al.*, 2009b)
Didymodon sicculus (Werner *et al.*, 2009b)

Didymodon spadiceus (Sérgio *et al.*, 2006b)
Fissidens grandifrons (Allorge, 1928)
Fissidens jansenii (Sérgio & Pursell, 2001)
Grimmia alpestris (Cardoso & Sérgio, 1985)
Grimmia caespiticia (Sérgio *et al.*, 1994b)
Grimmia dissimulata (Ellis *et al.*, 2011c)
Grimmia funalis (Solms-Laubach, 1868)
Grimmia reflexidens (Blockeel *et al.*, 2008b)
Grimmia torquata (Blockeel *et al.*, 2007a)
Isopterygiopsis pulchella (Allorge, 1974)
Leptodontium flexifolium (Cardoso &
 Sérgio, 1985)
Microbryum fosbergii (Sérgio *et al.*, 2006a)
Mielichhoferia mielichhoferiana (Sérgio &
 Casas, 1992)
Neckera menziesii (Allorge, 1931a)
Orthotrichum philibertii (Sérgio *et al.*, 2007b)
Orthotrichum shawii (Blockeel *et al.*, 2005)
Orthotrichum sprucei (Sérgio *et al.*, 2007b)
Oxystegus tenuirostris (Sérgio *et al.*, 2007a)
Physcomitrella patens (Brugués & Ruiz,
 2010)
Plagiothecium laetum (Garcia *et al.*, 2008)
Plagiothecium latebricola (Sérgio *et al.*,
 2001b)
Pohlia bolanderi (Guerra *et al.*, 2007)
Pseudorhynchostegiella duriaui (Sérgio &
 Máguas, 1991)
Pterygoneurum sampaianum (Machado,
 1917)
Pyramidula tetragona (Sérgio *et al.*, 2006a)
Schistidium agassizii (Sérgio, 1969)
Schistidium brunnescens subsp. *brunnescens*
 (Sérgio *et al.*, 2001a)
Schistidium elegantulum subsp. *wilsonii*
 (Sérgio *et al.*, 1988)
Seligeria acutifolia (Ellis *et al.*, 2011a)
Seligeria calycina (Gos & Ochyra, 1994)
Seligeria pusilla (Sérgio *et al.*, 1988)
Sphagnum fallax (Sérgio *et al.*, 2003)
Sphagnum girgensohnii (Séneca & Daniels,
 1994)
Syntrichia papillosissima (Gallego, 2006b)
Tortula bolanderi (Cano, 2006a)
Weissia levieri (Sérgio *et al.*, 1984)

RS – SERBIA

Cynodontium fallax (Papp & Erzberger,
 2009)
Dicranella howei (Papp & Erzberger, 2009)
Hypnum procerrimum (Papp & Erzberger,
 2009)
Microbryum floerkeanum (Ellis *et al.*, 2011a)
Neckera pumila (Papp & Erzberger, 2009)

Schistidium robustum (Papp & Erzberger, 2009)
Seligeria acutifolia (Papp & Erzberger, 2009)
Zygodon viridissimus (Papp & Erzberger, 2009)

SA – SARDINIA

Amblystegium serpens (Cogoni *et al.*, 2002)
Andreaea rothii subsp. *falcata* (Cortini Pedrotti & Troiano, 1985)
Barbula bolleana (Cortini Pedrotti & Troiano, 1985)
Brachytheciastrum olympicum (Herzog, 1905)
Brachythecium campestre (Cortini Pedrotti, 1966)
Brachythecium tommasinii (Cortini Pedrotti, 1964)
Bryum elegans (Cortini Pedrotti & Troiano, 1985)
Bryum minii (Giacomini, 1938)
Bryum schleicheri (Aleffi *et al.*, 1995)
Campylium stellatum (Herzog, 1926)
Campylopus introflexus (Cogoni *et al.*, 2002)
Cryphaea heteromalla (Cogoni *et al.*, 2006)
Dichodontium pellucidum (Berta & Chiappini, 1978)
Dicranella heteromalla (Cogoni *et al.*, 2006)
Dicranum polysetum (Arrigoni, 1986)
Distichium inclinatum (Cogoni *et al.*, 2002)
Drepanocladus aduncus (Zodda, 1911)
Drepanocladus sendtneri (Barbey, 1884)
Encalypta ciliata (Herzog, 1926)
Entosthodon pulchellus (Crundwell & Nyholm, 1974)
Fissidens pusillus (Cortini Pedrotti, 1966)
Fissidens rufulus (Cortini Pedrotti & Troiano, 1985)
Fissidens serrulatus (Cogoni *et al.*, 2002)
Grimmia reflexidens (Greven, 1995b)
Grimmia tergestina (Greven, 1995b)
Gyroweisia reflexa (Cortini Pedrotti & Aleffi, 1994)
Heterocladium heteropterum (Cortini Pedrotti, 1966)
Hypnum andoi (Cortini Pedrotti, 1964)
Hypnum vaucheri (Cortini Pedrotti & Troiano, 1985)
Isopterygiopsis muelleriana (Berta & Chiappini, 1978)
Lescuraea patens (De Notaris, 1869)
Leskea polycarpa (Massari, 1897)
Neckera menziesii (Cortini Pedrotti, 1966)
Neckera pennata (Müller, 1829)

Orthotrichum patens (Herzog, 1926)
Philonotis calcarea (Herzog, 1905)
Philonotis seriata (Cogoni *et al.*, 2002)
Platygyrium repens (Cortini Pedrotti, 1964)
Pohlia bulbifera (Herzog, 1926)
Pohlia elongata var. *elongata* (Cortini Pedrotti & Aleffi, 1994)
Pohlia wahlenbergii (Cortini Pedrotti & Troiano, 1985)
Polytrichum commune (Raffaelli, 1972)
Pseudorhynchostegiella duriaei (De Notaris, 1869)
Pseudotaxiphyllum elegans (Cogoni *et al.*, 2006)
Pterigynandrum filiforme var. *majus* (Fleischer, 1893)
Ptychostomum pseudotriquetrum var. *bimum* (Berta & Chiappini, 1978)
Ptychostomum rubens (Podpěra, 1955)
Racomitrium elongatum (Cogoni *et al.*, 2002)
Racomitrium microcarpon (Moris, 1829)
Racomitrium sudeticum (Cogoni *et al.*, 2002)
Rhabdoweisia fugax (Cortini Pedrotti & Troiano, 1985)
Rhytidiadelphus squarrosus (Berta & Chiappini, 1978)
Schistidium crassipilum (Blom, 1996)
Sciuro-hypnum flotowianum (Cortini, 1965)
Sciuro-hypnum starkei (Cortini Pedrotti, 1964)
Scorpidium revolvens (Cortini Pedrotti & Troiano, 1985)
Scorpiurium sendtneri (Cogoni *et al.*, 2007)
Seligeria recurvata (Berta & Chiappini, 1978)
Syntrichia calcicola (Giacomini & Mundula, 1957)
Syntrichia papillosissima (Venturi, 1890)
Timmia bavarica (Moris, 1829)
Tortula protobryoides (Cortini Pedrotti & Troiano, 1985)
Warnstorfia fluitans (Fleischer, 1893)
Weissia rutilans (Barbey, 1884)

SC – SICILY

Antitrichia californica (Nicholson, 1921)
Atrichum angustatum (Lübenau & Lübenau, 1968)
Brachytheciastrum collinum (Privitera & Puglisi, 1997)
Brachythecium cirrosum (Bottini, 1907)
Bryum klinggraeffii (Aiello & Dia, 2004)
Bryum schleicheri (Raimondo & Dia, 1981)
Bryum subapiculatum (Privitera & Puglisi, 1998)

- Bryum weigelii* (Lo Giudice & Privitera, 1979)
Campylopus brevipilus (Privitera & Puglisi, 2009)
Campylostelium pitardii (Aiello & Dia, 2004)
Cratoneuron curvicaule (Zodda, 1907a)
Crossidium laxifilamentosum (Dia & Campisi, 2009)
Dicranella humilis (Zodda, 1909)
Dicranella rufescens (Lübenau & Lübenau, 1968)
Drepanocladus aduncus (Zodda, 1907a)
Entodon concinnus (Brizi, 1890)
Ephemerum cohaerens (Carratello, 2004)
Ephemerum crassinervium subsp. *rutheanum* (Privitera & Puglisi, 2002)
Ephemerum crassinervium subsp. *sessile* (Zodda, 1907b)
Ephemerum recurvifolium (Aiello & Dia, 2004)
Eurhynchiastrum pulchellum var. *praecox* (Zodda, 1907b)
Fissidens exilis (Lo Giudice *et al.*, 2004)
Fissidens fontanus (Privitera & Puglisi, 1994)
Fissidens serrulatus (Zimmitti *et al.*, 2011)
Grimmia alpestris (Puglisi, 2009)
Grimmia anodon (Carratello, 2002)
Grimmia fuscolutea (Puglisi, 2009)
Grimmia ramondii (Düll, 2004)
Grimmia torquata (Privitera & Puglisi, 2002)
Hedwigia ciliata var. *leucophaea* (Brizi, 1890)
Heterocladium heteropterum (Zodda, 1907a)
Hygrohypnum luridum (Zodda, 1912)
Hylocomium splendens (Brizi, 1890)
Hypnum procerrimum (Lo Giudice *et al.*, 2004)
Lescuraea saxicola (Bottini, 1907)
Leskea polycarpa (Raimondo & Dia, 1981)
Microbryum curvicollum (Bertoloni, 1858-1862)
Mielichhoferia elongata (Privitera & Puglisi, 2002)
Mielichhoferia mielichhoferiana (Privitera & Puglisi, 1996)
Mnium stellare (Bottini, 1890)
Nyholmia obtusifolia (Lojacono Pojero, 1886)
Oncophorus virens (Lojacono Pojero, 1886)
Orthothecium intricatum (Strobl, 1888)
Orthotrichum macrocephalum (Lara *et al.*, 2004b)
Orthotrichum pulchellum (Lara *et al.*, 2004b)
Philonotis caespitosa (Villari *et al.*, 1980)
Plagiothecium undulatum (Lojacono Pojero, 1883-1884)
Polytrichastrum alpinum (Bottini, 1890)
Polytrichum longisetum (Bottini, 1907)
Ptychomitrium nigrescens (Zodda, 1911)
Racomitrium sudeticum (Zodda, 1909)
Rhynchostegium rotundifolium (Lo Giudice & Privitera, 1981)
Rhytidiadelphus squarrosus (Brizi, 1890)
Sanionia uncinata (Orlando & Raimondo, 1977)
Sarmentypnum exannulatum (Lojacono Pojero, 1886)
Schistidium platyphyllum subsp. *platyphyllum* (Düll, 2004)
Schistidium strictum (Zodda, 1912)
Sciuro-hypnum ornellanum (Zodda, 1907b)
Sciuro-hypnum populeum (Lojacono Pojero, 1886)
Sciuro-hypnum reflexum (Düll, 2004)
Scorpiurium sendneri (Düll, 2004)
Seligeria acutifolia (Dia & Hallingbäck, 2005)
Seligeria pusilla (Lo Giudice *et al.*, 2005)
Sphagnum subsecundum (Strobl, 1888)
Syntrichia echinata (Campisi *et al.*, 2006)
Syntrichia norvegica (Düll, 2004)
Syntrichia papillosissima (Lo Manto & Provenzano, 2004)
Tortula bolanderi (Blockeel, 1995)
Weissia controversa var. *densifolia* (Zodda, 1907a)
Weissia wimmeriana (Lo Giudice & Cristaudo, 2004)
Zygodon forsteri (Dia & Lo Re, 2005)
Zygodon viridissimus (Dia *et al.*, 2004)

SI – SLOVENIA

Didymodon sicculus (Blockeel *et al.*, 2009a)

SY – SYRIA

- Aloina aloides* (Brown, 1937)
Aloina ambigua (Bilewsky & Nachmony, 1955)
Aloina bifrons (Schiffner, 1913)
Aloina rigida (Schiffner, 1913)
Amblystegium serpens (Lorentz, 1868)
Anomodon rostratus (Frey & Kürschner, 1991)
Antitrichia californica (Herrnstadt *et al.*, 1982)
Aulacomnium palustre (Lorentz, 1868)
Barbula bolleana (Lorentz, 1868)

- Barbula convoluta* (Brown, 1937)
Barbula unguiculata (Brown, 1937)
Brachytheciastrum velutinum (Agnew & Vondráček, 1975)
Bryum funkii (Schiffner, 1913)
Calliergonella cuspidata (Lorentz, 1868)
Cinclidotus aquaticus (Salmon, 1900)
Cinclidotus fontinaloides (Herrnstadt *et al.*, 1982)
Cinclidotus pachylomoides (Bizot *et al.*, 1952)
Crossidium aberrans (Kürschner, 2000b)
Crossidium crassinervium (Schiffner, 1913)
Didymodon acutus (Brown, 1937)
Didymodon australasiae (Kürschner, 1996)
Didymodon cordatus (Kürschner, 2000b)
Didymodon insulanus (Brown, 1937)
Encalypta intermedia (Schiffner, 1913)
Encalypta rhaptocharpa (Agnew & Vondráček, 1975)
Entosthodon attenuatus (Herrnstadt *et al.*, 1982)
Fissidens arnoldii (Herrnstadt *et al.*, 1982)
Fissidens viridulus (Brown, 1937)
Fissidens viridulus var. *incurvus* (Smith, 2004)
Fontinalis hypnoides (Schiffner, 1913)
Funaria anomala (Juratzka & Milde, 1870)
Gigaspermum mouretii (Herrnstadt *et al.*, 1982)
Grimmia anodon (Agnew & Vondráček, 1975)
Grimmia capillata (Schiffner, 1913)
Grimmia dissimulata (Maier, 2002)
Grimmia laevigata (Fröhlich, 1959)
Grimmia lissae (Kürschner, 2000b)
Grimmia trichophylla (Kürschner, 2000b)
Gymnostomum aeruginosum (Agnew & Vondráček, 1975)
Gymnostomum calcareum (Whitehouse & Crundwell, 1992)
Gymnostomum viridulum (Kürschner, 2000b)
Gyroweisia tenuis (Schiffner, 1913)
Homalothecium aureum (Brown, 1937)
Homalothecium lutescens (Brown, 1937)
Homalothecium philippeanum (Bizot *et al.*, 1952)
Hygroamblystegium tenax (Henderson & Muirhead, 1956)
Hypnum cupressiforme (Brown, 1937)
Isothecium alopecuroides (Brown, 1937)
Kindbergia praelonga (Bilewsky, 1970)
Orthotrichum cupulatum (Juratzka & Milde, 1870)
Orthotrichum cupulatum var. *bistratosum* (Schiffner, 1913)
Orthotrichum cupulatum var. *fuscum* (Agnew & Vondráček, 1975)
Orthotrichum rupestre (Herrnstadt *et al.*, 1982)
Oxyrrhynchium hians (Brown, 1937)
Philonotis caespitosa (Agnew & Vondráček, 1975)
Philonotis calcarea (Lorentz, 1868)
Plagiomnium elatum (Lorentz, 1868)
Pogonatum aloides (Brown, 1937)
Polytrichum commune (Brown, 1937)
Polytrichum formosum (Lorentz, 1868)
Pterygoneurum ovatum (Schiffner, 1913)
Pterygoneurum sampaianum (Schiffner, 1913)
Ptychostomum compactum (Brown, 1937)
Ptychostomum torquescens (Brown, 1937)
Pyramidula tetragona (Herrnstadt *et al.*, 1982)
Racomitrium heterostichum (Bizot *et al.*, 1952)
Rhynchostegium murale (Lorentz, 1868)
Schistidium apocarpum (Bizot, 1955)
Schistidium flaccidum (Kürschner, 2000b)
Scleropodium touretii (Brown, 1937)
Sphagnum capillifolium (Lorentz, 1868)
Sphagnum fimbriatum (Geheeb, 1902)
Syntrichia calcicola (Rungby, 1959)
Syntrichia caninervis (Schiffner, 1913)
Syntrichia caninervis var. *gypsophila* (Kürschner, 2000b)
Syntrichia caninervis var. *pseudodesertorum* (Kürschner, 2000b)
Syntrichia fragilis (Brown, 1937)
Syntrichia handelii (Schiffner, 1913)
Syntrichia laevipila (Schiffner, 1913)
Syntrichia montana (Schiffner, 1913)
Syntrichia papillosissima (Bizot *et al.*, 1952)
Timmiella barbulooides (Agnew & Vondráček, 1975)
Tortella flavovirens (Nyholm, 1975)
Tortella tortuosa (Nizam & Al-Araj, 1999)
Tortula atrovirens (Schiffner, 1913)
Tortula brevissima (Schiffner, 1913)
Tortula cuneifolia (Brown, 1937)
Tortula lindbergii (Schiffner, 1913)
Tortula marginata (Agnew & Vondráček, 1975)
Tortula protobryoides (Schiffner, 1913)
Trichostomum crispulum (Brown, 1937)
Weissia brachycarpa (Brown, 1937)
Weissia condensata (Brown, 1937)
Weissia controversa (Brown, 1937)

TU – TUNISIA

Aloina brevirostris (Gallego *et al.*, 1999)
Amblystegium serpens (Thériot, 1909)
Brachymerium commutatum (Bizot, 1931)
Brachytheciastrum velutinum var. *salicinum*
 (Thériot, 1909)
Bryoerythrophyllum recurvirostrum (Jelenc,
 1955)
Calliargonella cuspidata (Jelenc, 1955)
Campylopus brevipilus (Labbe, 1953)
Campylopus introflexus (De Sloover, 1965)
Campylopus pilifer (Gradstein & Sipman,
 1978)
Cirriphyllum crassinervium (De Sloover,
 1965)
Cryphaea heteromalla (Draper *et al.*, 2008)
Dicranella howei (Jelenc, 1955)
Dicranoweisia cirrata (Corbière & Pitard,
 1909)
Dicranum scoparium (Corbière & Pitard,
 1909)
Didymodon bistratosus (Pócs, 2007)
Ditrichum subulatum (Labbe, 1953)
Encalypta rhaptoparpa var. *leptodon*
 (Corbière & Pitard, 1909)
Entosthodon attenuatus (Corbière & Pitard,
 1909)
Entosthodon convexus (Corbière & Pitard,
 1909)
Ephemerum recurvifolium (Bizot, 1973)
Eurhynchiastrum pulchellum var. *praecox*
 (Corbière & Pitard, 1909)
Fabronia ciliaris (Corbière & Pitard, 1909)
Fissidens curvatus (Corbière & Pitard, 1909)
Fontinalis hypnoides var. *duriaei* (Corbière
 & Pitard, 1909)
Funariella curviseta (Corbière & Pitard, 1909)
Grimmia decipiens (Corbière & Pitard, 1909)
Grimmia tergestina (Pócs, 2007)
Gymnostomum aeruginosum (Corbière &
 Pitard, 1909)
Hedwigia ciliata var. *leucophaea*
 (Bescherelle, 1897)
Hookeria lucens (Potier de la Varde, 1949)
Isopterygiopsis pulchella (Bescherelle, 1897)
Leptodictyum riparium (Labbe, 1953)
Neckera menziesii (De Sloover, 1965)
Neckera pumila (Draper *et al.*, 2008)
Plagiomnium cuspidatum (Jelenc, 1955)
Plagiothecium succulentum (Jelenc, 1955)
Plasteurhynchium meridionale (Corbière &
 Pitard, 1909)
Pogonatum nanum (Corbière & Pitard, 1909)
Pterigynandrum filiforme (Corbière &
 Pitard, 1909)

Ptychostomum imbricatum (Jelenc, 1955)
Ptychostomum rubens (Bizot, 1973)
Rhynchostegiella teneriffae (Corbière &
 Pitard, 1909)
Rhynchostegium riparioides (Corbière &
 Pitard, 1909)
Schistidium confertum (Corbière & Pitard,
 1909)
Sematophyllum substrumulosum (De
 Sloover, 1965)
Syntrichia princeps (Draper *et al.*, 2008)
Syntrichia sinensis (Bescherelle, 1897)
Taxiphyllum wissgrillii (Corbière & Pitard,
 1909)
Tortula canescens (Bescherelle, 1897)
Tortula cuneifolia (Corbière & Pitard, 1909)
Tortula pallida (Jelenc, 1955)
Tortula solmsii (Bizot, 1931)

TR – TURKEY

Acaulon mediterraneum (Natcheva *et al.*, 2008)
Anacolia menziesii (Kürschner & Erdağ,
 2009)
Anomobryum julaceum (Çetin, 1988a)
Anomodon longifolius (Ören *et al.*, 2010)
Anomodon rostratus (Abramova &
 Abramov, 1979)
Anomodon tristis (Arzeni, 1965)
Aschisma carniolicum (Çetin, 1988a)
Atrichum tenellum (Handel-Mazzetti von,
 1909)
Barbula enderesii (Tonguç Yayıntaş, 2001)
Blindia caespiticia (Papp, 2004)
Brachythecium geheebii (Müller, 1998)
Brachythecium umbilicatum (Juratzka &
 Milde, 1870)
Bryoerythrophyllum ferruginascens (Tonguç
 Yayıntaş, 2001)
Bryum cellulare (Heyn & Herrnstadt, 2004)
Bryum klinggraeffii (Uyar & Çetin, 2001)
Bryum riparium (Çetin & Yurdakulol, 1985)
Bryum ruderale (Papp & Sabovljević, 2003)
Campyliadelphus elodes (Cangül & Ezer,
 2010)
Campylopus flexuosus (Özdemir & Uyar,
 2008)
Campylopus fragilis (Özdemir & Çetin,
 1999)
Campylopus introflexus (Blockeel *et al.*, 2009a)
Campylostelium pitardii (Muñoz & Pando,
 2000)
Ceratodon purpureus subsp. *stenocarpus*
 (Tonguç-Yayıntaş, 2001)
Cinclidotus danubicus (Blockeel *et al.*, 2010)

- Cinclidotus pachylomoides* (Erdağ & Kürschner, 2011)
- Crossidium crassinervium* (Kirmaci *et al.*, 2009)
- Crossidium laxefilamentosum* (Kirmaci *et al.*, 2009)
- Cynodontium jeneri* (Abay & Çetin, 2003)
- Cynodontium polycarpon* (Walther, 1967)
- Cynodontium strumiferum* (Çetin & Yurdakulol, 1985)
- Cynodontium tenellum* (Çetin, 1988a)
- Dicranella rufescens* (Yayintaş *et al.*, 1996)
- Dicranella subulata* (Schiffner, 1913)
- Dicranum flexicaule* (Uyar *et al.*, 2008)
- Dicranum fragilifolium* (Uyar *et al.*, 2008)
- Dicranum fulvum* (Henderson, 1958)
- Dicranum leoneuron* (Uyar & Çetin, 2004)
- Dicranum muehlenbeckii* (Henderson & Muirhead, 1956)
- Dicranum spadiceum* (Henderson & Muirhead, 1956)
- Dicranum viride* (Arzeni, 1965)
- Didymodon asperifolius* (Özdemir *et al.*, 2008)
- Didymodon bistratosus* (Erdağ & Kürschner, 2005)
- Diphyscium foliosum* (Handel-Mazzetti von, 1909)
- Dirichum gracile* (Çetin, 1988a)
- Drepanocladus longifolius* (Henderson, 1957)
- Drepanocladus lycopodioides* (Çetin & Yurdakulol, 1985)
- Drepanocladus trifarius* (Batan & Özdemir, 2008)
- Encalypta microstoma* (Blockeel *et al.*, 2007a)
- Encalypta rhaptocharpa* var. *leptodon* (Çetin, 1988a)
- Encalypta spathulata* (Walther, 1967)
- Entosthodon attenuatus* (Çetin, 1988a)
- Entosthodon handelii* (Schiffner, 1913)
- Entosthodon mouretii* (Kirmaci & Ağcagil, 2009)
- Entosthodon obtusus* (Çetin, 1988a)
- Ephemerum cohaerens* (Çetin, 1988a)
- Ephemerum crassinervium* subsp. *sessile* (Çetin, 1988a)
- Fissidens arnoldii* (Blockeel *et al.*, 2009a)
- Fissidens curvatus* (Çetin, 1988a)
- Fissidens fontanus* (Tonguç-Yayintaş & Allen, 2009)
- Fissidens gracilifolius* (Çetin, 1988a)
- Fissidens minguillonii* (Çetin, 1988b)
- Fissidens osmundoides* (Tonguç-Yayintaş & Allen, 2009)
- Fissidens polyphyllus* (Papp & Sabovljević, 2003)
- Fissidens rufulus* (Papp & Sabovljević, 2003)
- Fissidens taxifolius* subsp. *pallidicaulis* (Çetin, 1988a)
- Funaria microstoma* (Çetin, 1988a)
- Funariella curviseta* (Çetin, 1988a)
- Gigaspermum mouretii* (Tonguç-Yayintaş, 2009a)
- Grimmia crinitoleucophaea* (Muñoz & Pando, 2000)
- Grimmia meridionalis* (Tonguç-Yayintaş, 2001)
- Grimmia nutans* (Müller, 1829)
- Grimmia ramondii* (Papp, 2004)
- Gymnostomum lanceolatum* (Kučera, 1998)
- Hedwigia ciliata* var. *leucophaea* (Erdağ *et al.*, 2003)
- Helodium blandowii* (Çetin & Yurdakulol, 1985)
- Homalia webbiana* (Çetin, 1988a)
- Hygrohypnum duriusculum* (Çetin, 1991)
- Hygrohypnum smithii* (Walther, 1967)
- Hyophila involuta* (Walther, 1970)
- Hypnum bambergeri* (Çetin & Yurdakulol, 1985)
- Hypnum cupressiforme* var. *subjulaceum* (Uyar & Çetin, 2004)
- Hypnum recurvatum* (Walther, 1967)
- Isothecium holtii* (Uyar & Ören, 2005)
- Lescuraea mutabilis* (Handel-Mazzetti von, 1909)
- Lescuraea plicata* (Çetin & Uyar, 1997)
- Leucodon flagellaris* (Düll, 1985)
- Microbryum rectum* (Müller, 1998)
- Myurella julacea* (Henderson, 1964)
- Oligotrichum hercynicum* (Henderson, 1964)
- Orthotrichum callistomum* (Lara *et al.*, 2010)
- Orthotrichum consobrinum* (Lara *et al.*, 2009b)
- Orthotrichum crenulatum* (Lara *et al.*, 2010)
- Orthotrichum cupulatum* var. *riparium* (Walther, 1967)
- Orthotrichum hispanicum* (Garilleti *et al.*, 2009)
- Orthotrichum macrocephalum* (Erdağ *et al.*, 2004)
- Orthotrichum microcarpum* (Papp & Sabovljević, 2003)
- Orthotrichum rogeri* (Lara *et al.*, 2010)
- Orthotrichum scanicum* (Erdağ *et al.*, 2004)
- Orthotrichum schimperi* (Lara *et al.*, 2010)
- Orthotrichum shawii* (Ellis *et al.*, 2010a)
- Orthotrichum sordidum* (Lara *et al.*, 2010)
- Orthotrichum sprucei* (Erdağ & Kürschner, 2000)

- Orthotrichum stellatum* (Lara *et al.*, 2010)
Orthotrichum stramineum (Walther, 1967)
Orthotrichum vittii (Erdağ *et al.*, 2004)
Orthotrichum vladikavkanum (Lara *et al.*, 2010)
Oxystegus hibernicus (Çetin, 1988a)
Oxystegus recurvifolius (Özdemir & Koz, 2008)
Paraleucobryum sauteri (Handel-Mazzetti von, 1909)
Philonotis hastata (Müller, 1998)
Philonotis rigida (Savaroglu & Tokur, 2006)
Physcomitrium eurystomum subsp. *acuminatum* (Walther, 1970)
Physcomitrium eurystomum subsp. *eurystomum* (Walther, 1970)
Plagiothecium denticulatum var. *obtusifolium* (Yayintaş, 1994)
Plagiothecium latebricola (Henderson, 1958)
Plagiothecium piliferum (Ellis *et al.*, 2010b)
Pogonatum dentatum (Uyar & Çetin, 2006)
Pogonatum inflexum (Çetin, 1988a)
Pogonatum neesii (Çetin, 1988a)
Pohlia annotina (Handel-Mazzetti von, 1909)
Pohlia atropurpurea (Tonguç Yayintaş, 2001)
Pseudocrossidium obtusulum (Natcheva *et al.*, 2008)
Pseudoleskeella rupestris (Uyar & Çetin, 2004)
Pterygoneurum squamosum (Ellis *et al.*, 2011a)
Pterygoneurum subsessile (Blockeel *et al.*, 2009b)
Ptychostomum moravicum (Uyar & Çetin, 2001)
Pyramidula tetragona (Kara *et al.*, 2008)
Racomitrium affine (Henderson, 1958)
Racomitrium ellipticum (Özdemir & Koz, 2008)
Racomitrium macounii (Abay *et al.*, 2007)
Racomitrium microcarpon (Abay *et al.*, 2007)
Rhynchostegium alopecuroides (Yayintaş & Erdağ, 1995)
Rhytidiadelphus loreus (Blockeel *et al.*, 2007b)
Rhytidiadelphus subpinnatus (Handel-Mazzetti von, 1909)
Sarmentypnum sarmentosum (Blockeel *et al.*, 2006a)
Schistidium agassizii (Tonguç-Yayintaş, 2008)
Schistidium dupretii (Blockeel *et al.*, 2009c)
Schistidium platyphyllum (Özdemir & Batan, 2008)
Schistidium strictum (Çetin, 1988a)
Schistidium submuticum (Townsend, 2005)
Sciuro-hypnum latifolium (Erdağ & Yayintaş, 1999)
Scopelophila ligulata (Handel-Mazzetti von, 1909)
Seligeria calycina (Papp & Sabovljević, 2003)
Seligeria tristichoides (Çetin, 1988a)
Sphagnum angustifolium (Çetin, 1988a)
Sphagnum aongstroemii (Çetin, 1988a)
Sphagnum auriculatum (Uyar & Çetin, 2004)
Sphagnum centrale (Abay *et al.*, 2009)
Sphagnum girgensohnii (Handel-Mazzetti von, 1909)
Sphagnum inundatum (Henderson & Prentice, 1969)
Sphagnum warnstorffii (Handel-Mazzetti von, 1909)
Syntrichia fragilis (Blockeel *et al.*, 2009c)
Syntrichia montana var. *calva* (Blockeel *et al.*, 2008b)
Tayloria lingulata (Schiffner, 1913)
Tetradontium brownianum (Handel-Mazzetti von, 1909)
Timmia megapolitana (Erdağ & Yayintaş, 1999)
Tortella malacophylla (Çetin, 1988a)
Tortula canescens (Handel-Mazzetti von, 1909)
Tortula grandiretis (Crundwell *et al.*, 1978b)
Tortula israelis (Henderson & Prentice, 1969)
Tortula pallida (Çetin, 1988a)
Tortula systylia (Yayintaş & Iwatsuki, 1988)
Tortula vlassovii (Çetin, 1988a)
Trachycystis ussuriensis (Tonguç-Yayintaş, 2009b)
Ulota coarctata (Lara *et al.*, 2010)
Ulota rehmannii (Lara *et al.*, 2010)
Weissia breutelii (Blockeel *et al.*, 2009a)
Weissia rutilans (Tonguç Yayintaş, 2001)
Zygodon dentatus (Lara *et al.*, 2010)
Zygodon forsteri (Erdağ & Kirmaci, 2010)

Annotations

- [1] *Acaulon longifolium* was described by Herrstadt & Heyn (1999) from Israel, and that is the only country where it is known.
- [2] Olsson *et al.* (2011) established that the genus *Neckera* as traditionally understood was paraphyletic, and proposed its subdivision into four separate genera: *Neckera s.s.*, containing the generic type *Neckera pennata*; *Forsstroemia* Lindb., which is absent in Europe and the Mediterranean area; *Alleniella* S. Olsson, Enroth & D. Quandt (including the European *A. besseri* and *A. complanata*), and *Exsertotheca* S. Olsson, Enroth & D. Quandt (including *E. crista* and *E. intermedia*). Draper *et al.* (2011) included the recently described *Neckera baetica* Guerra in the genus *Exsertotheca* as *E. baetica* (Guerra) Draper, González-Mancebo, O.Werner, J. Patiño & Ros, and demonstrated that the European species *Neckera cephalonica* and *N. pumila* should be included in *Neckera s.s.* The only species for which the generic placement remains untested by molecular data is *Neckera oligocarpa* (known in the study area only from Italy) but Draper *et al.* (2011) suggested its possible inclusion in *Neckera s.s.*, due to its morphological proximity to *N. pennata*.
- [3] The combination *Anomobryum bavaricum* was published by Holyoak & Köckinger (2010). According to these authors this species has often been confused with *A. concinatum*.
- [4] *Atrichum androgynum* was reported as new to the European flora (including mainland Portugal, Madeira and the Azores) by Sérgio *et al.* (2010).
- [5] *Barbula semilimbata* Dixon & Luisier, previously considered a Madeiran endemic, has been synonymised with *Ceratodon purpureus* by Sérgio *et al.* (2006). *Ceratodon purpureus* var. *rotundifolius* Berggr. has been reported from Italy and this name is considered at present a synonym of *Ceratodon heterophyllus* Kindb. According to Hill *et al.* (2006) European records of *C. heterophyllus* are based on plants that lack capsules and according to the account of Burley & Pritchard (1990) are not reliable. Consequently *Ceratodon heterophyllus* should also be excluded from the Mediterranean area.
- [6] *Barbula arcuata* was reported from Egypt by Shabbara (2006). This is the only Mediterranean report of this species widely distributed in Central and South America as well as in Asia, but not known from any other adjacent territory in Europe and Africa. A similar case is that of the American and Asian taxon *Didymodon tectorum*. It was reported from Egypt by Imam & Ghabbour (1972), and is the only report from the Mediterranean. Both reports require verification.
- [7] *Brachymenium exile* is a widely distributed species, but is absent in the European part of the Mediterranean basin.
- [8] *Brachythecium ehrenbergii* Lorenz was described from Syria, but its identity has not been revised since.
- [9] Düll (1984, 1985) reported several species from Northern Africa without any indication of individual countries or supporting data concerning localities and, as previously stated by Ros *et al.* (1999), no further report from these countries has been found in the literature consulted for this paper. Therefore, these species – *Brachythecium mildeanum*, *Didymodon ferrugineus*, *D. sinuosus*, *Grimmia donniana*, *Hennediella heimii*, *Leucobryum glaucum*, *Neckera pennata* and *Zygodon conoideus* – should be excluded from the flora of the African part of the Mediterranean.
- [10] The generic classification proposed by Holyoak & Pedersen (2007) for the Bryaceae has been followed in this checklist. These authors have taxonomically resolved some complexes on the basis of available molecular data, but several species are still unresolved and are therefore retained in *Bryum s. l.* However, some exceptions have been made: *Bryum mildeanum* has been included in the genus *Imbricobryum* based on

molecular data published by Guerra *et al.* (2008). *Bryum torquescens* and *Bryum moravicum* have not yet been sequenced, and although they are morphologically very close to *Ptychostomum capillare*, neither species has yet been transferred to this genus. Based on the morphological affinities of both species, we propose the following combinations in *Ptychostomum*:

Ptychostomum torquescens (Bruch & Schimp.) Ros & Mazimpaka **comb. nov.**

Basionym: *Bryum torquescens* Bruch & Schimp., Bryol. Eur., 4 p. 119, pl. 20, 1839.

Ptychostomum moravicum (Podp.) Ros & Mazimpaka **comb. nov.**

Basionym: *Bryum moravicum* Podp., Věstn. Klubu Přír. v Prostějově 8: 41. 1906.

- [11] *Bryum trabuttii* Thér. was described from Algeria but its identity has not been revised since. *Bryum kabylicum* Trab. in Jelenc *nom. inval.* has been reported from the same country.
- [12] *Bryum remelei* Müll. Hal. was described from Egypt but it is omitted in the present checklist since Ochi (1972) wrote that “after revising the specimen, it may be wiser not to recognize a definite taxon on such scanty and undeveloped material”.
- [13] *Bryum geheebii* Müll. Hal. and *Bryum gerwigii* (Müll. Hal.) Limpr. are doubtful species reported from France, whose identity remains to be established (Hill *et al.*, 2006).
- [14] According to Erdağ & Kürschner (2011), *Cinclidotus bistratosus* and *Cinclidotus vardaranus* are endemic to Turkey, while *Cinclidotus pachyloma* is endemic to South-west Asia.
- [15] *Crossidium seriatum* Crum & Steere was erroneously reported from Spain and France as stated by Cano (2006a) and Hugonnot (2008) respectively. Therefore it is rejected from the Mediterranean area.
- [16] As *Tortula crassinervia* is the basionym, the neutrum form should be used in *Crossidium* as *C. crassinervium*.
Delgadillo (1975) established that *Crossidium chloronotos* (Brid.) Limpr. is nomenclaturally a synonym of *C. squamiferum*. However taxonomically the name *C. chloronotos* has been applied to European plants for which the correct name is *C. crassinervium*. Ros *et al.* (1999) considered that this interpretation should also be applied to the North African reports and we agree that it should be followed for the whole Mediterranean area. Also *Barbula chloronotos* fo. *nivea* Besch. *nom. nud.* should be referred to *C. crassinervium* and not to *Crossidium squamiferum*.
- [17] Cano (2007) established that *Dialytrichia saxicola* was the older and thus valid name for *Dialytrichia fragilifolia* (Biz. & J. Rozx.) F. Lara.
- [18] Ochyra *et al.* (2003), based on morphological data, proposed the segregation of *Dicranoweisia* into two different genera: *Dicranoweisia s.s.* (including *D. cirrata*), and *Hymenoloma* (including *D. crispula*, *D. compacta* and other non-European species). This conclusion was subsequently supported by molecular data (Hedderson *et al.*, 2004; Werner *et al.*, 2013). The familial position of *Hymenoloma* remains unclear (Stech *et al.*, 2012; Werner *et al.*, 2013).
- [19] *Dicranoweisia africana* Dixon is an African species that was doubtfully listed for Crete by Düll (1995e).
- [20] Jiménez *et al.* (2005) synonymized *Didymodon trivialis* (Müll. Hal.) J. Guerra with *D. umbrosus*, and suggested its exclusion from France, Greece, Spain, and Jordan as all these records were based on specimens belonging to *D. australasiae* sensu Jiménez *et al.* (2005). Posterior reports of *D. umbrosus* in Greece (Sabovljević *et al.*, 2008b) and in other Mediterranean countries were published after the question had been clarified.
- [21] *Encalypta serbica* Katić was described from Serbia, but has not been refound since (Pavić *et al.*, 1998). The type specimen is not available and its identity remains unclear. From the original description Horton (1983) suggests that it is probably a form of *E. ciliata*.

- [22] *Entosthodon curviapiculatus* Müll. Hal. (= *Funaria curviapiculata* (Müll. Hal.) Broth.) was described from Egypt but its identity has not been revised since.
- [23] *Funaria serrata* Brid. was cited in old literature from France as a synonym of *Entosthodon convexus* (Boulay, 1884). At present *F. serrata* is an accepted species in the Flora of North America (McIntosh, 2007) although there is molecular evidence that it should be included in the genus *Entosthodon* as *E. serratus* (Brid.) Fife (Liu *et al.*, 2012). In any case it should be excluded from the Mediterranean area.
- [24] *Entosthodon angustifolius* Jur. & Milde was described from Libya and later reported from several south-western Asian countries (Jordan and Turkey) and also in central Asia, but its identity remains unknown.
- [25] Brugués & Sérgio (2010) conducted a taxonomic revision of the types of the Macaronesian *Entosthodon krausei* Besch. and *Funaria fritzei* Geh., and the Algerian *Entosthodon deserticola* (Trab.) Jelenc and *E. saharae* (Trab.) Jelenc, and concluded that all of them are synonymous with *E. commutatus*.
- [26] *Entosthodon handelii* was described from Mesopotamia and Kurdistan as *Funaria handelii* Schiffn. (the localities mentioned in the protologue are now in Turkey and Iraq), and it has been recorded recently in the Caucasus by Fedosov *et al.* (2010).
- [27] Ros & Cano (2008) when studying the type of the Algerian *Physcomitrium longicolle* Trab. observed that this was an older synonym of *E. hungaricus* and proposed the combination *Entosthodon longicollis* (Trab.) Ros & M.J. Cano. They were not aware that this was an illegitimate name because Mitten had already published the name *E. longicollis* in 1869 for a different species. Therefore the later valid name, *E. hungaricus*, is used here.
- [28] *Entosthodon kroonkurk* has recently been described by Dirkse & Brugués (2010) from specimens from the Canary Islands and mainland Spain.
- [29] Several names at present included in the Funariaceae have been used for mosses collected around the Nile River with the epithet *nilotica/niloticum/niloticus*. The first of these names was *Gymnostomum niloticum* Delile for plants in which “*Les quatre ou cinq feuilles supérieures sont les plus longues, et rapprochées en rosette au-dessous de l’urne, qui est presque sessile, et qu’elles dépassent considérablement. L’urne est sphérique-déprimée; elle se réduit à un godet plat*” (Delile, 1813). The second name was *Entosthodon niloticus* Schimp. ex Müll. Hal. for plants with “*theca in pedunculo recto elongato flavo-rubente erecta, e collo longiusculo pyriformis*” Müller (1855). Although the sporophytes of both species are clearly different, Müller (op. cit.) included Delile’s *Gymnostomum niloticum* as a synonym of his species, causing great confusion among later authors. This misinterpretation was detected by Müller (1858) who stated when combining *G. niloticus* in the genus *Physcomitrium* (Müller, 1858): “*Synonymon in Bot. Zeit. 1855, p. 747 ad Entosth. Niloticum Schimp. revocatum deletur*”. This confusion was probably due to the fact that the specimen studied by Schimper (1855) was also collected by Delile in Egypt in 1802 (Exemplar BM000674743, Ros, pers. comm.). The name proposed by Delile was later combined in other genera as *Microstegium niloticum* (Delile) Lindb. in 1865, *Aphanorrhagma niloticum* (Delile) Lindb. in 1867 and *Micropoma niloticum* (Delile) Lindb. in Broth. in 1903. Fife (1982) concluded that the correct taxonomic placement of all these names should be in *Physcomitrium*, and that *Micropoma* is a superfluous name for *Physcomitrium* subgen. *Cryptopyxis* (Müll. Hal.) Broth. On the other hand the name *Funaria nilotica* (Schimp. ex Müll. Hal.) Broth. was a combination made by Brotherus for *Entosthodon niloticus*. In conclusion two different taxa of Funariaceae have been described from the Nile area, and they correspond to the accepted names *Entosthodon niloticus* and *Physcomitrium niloticum*. The first of these is endemic to Egypt, while the second has a wider distribution including Egypt, Sub-Saharan Africa (O’Shea, 2006) and south-western Asia (Frey & Kürschner 1991; Kürschner, 2000a).
- [30] *Entosthodon planoconvexus* was reported from Egypt by Shabbara (1999), but this is the only Mediterranean report of this North American species, which is not known from any other adjacent territory in Europe and Africa. This report requires verification.

- [31] *Ephemerum stellatum* H. Philib. has been recently synonymised by Holyoak (2010) with *E. serratum*, based on a study of the type. However, this author remarked that the name *E. stellatum* had been used in a wider sense to refer to two different morphotypes that actually belong to two different species. The specimens with finely papillose spores, usually with a hyaline veil or the remnants of one, should be named as *E. minutissimum*, and those with coarsely papillose spores, without a hyaline veil or its remnants, as *E. serratum*. Therefore, the reports of *E. stellatum* in the Mediterranean area (France, Morocco, Portugal and Turkey) should be revised in order to assess to which of the two accepted species they belong.
- [32] Guerra *et al.* (2010b) proposed a new species, *Neckera baetica*, for the specimens from mainland Spain previously named *Neckera intermedia* Brid. Based on molecular data and following the new generic classification of Olsson *et al.* (2011), Draper *et al.* (2011) proposed the inclusion of the new species in the genus *Exsertotheca*.
- [33] *Fabronia leikipiae* var. *ahaggarensis* Thér. & Trab. was described from Algeria (Hoggar, Sahara), the only country where it is known. Its identity has not been revised since.
- [34] *Fabronia guenzii* is an African species reported from the study area only in Morocco by Rauh (1952) but the identity of the report is difficult to confirm because the specimen cannot be traced (Ros, unpublished).
- [35] *Fissidens narbonensis* Roum. was described from France but its identity remains unknown. It was considered by Corley *et al.* (1981) as a doubtful species. According to Bruggeman-Nannenga (pers. comm.) the type is probably lost and therefore its identity cannot be assessed. It seems to belong to the *Fissidens bryoides* complex.
- [36] *Fissidens luisieri* P. de la Varde was synonymised with *F. serrulatus* by Werner *et al.* (2009a).
- [37] *Funaria nubica* Müll. Hal. and *Funaria sickenbergeri* Müll. Hal. were described from Egypt but their identity is uncertain and requires further study.
- [38] The status of *Funaria maireana* Copp., described from Greece and also reported from Egypt by Coppey (1909), is uncertain and requires further study.
- [39] *Funaria altissima* was described from Algeria and is known only from the original report. Its identity has not been revised since but it seems to be a distinct taxon (Ros and Brugués, unpublished).
- [40] *Funaria anomala* is a poorly known species described from Cyprus and also reported from Egypt and south-western Asia.
- [41] Maier (2010) in a morphological-anatomical study of the genus *Grimmia* treated *G. lisae*, *G. trichophylla*, and *G. meridionalis* as distinct species, along with *G. dissimulata*. The phylogenetic study of *Grimmia* based on plastid DNA sequences (*trnL-trnF* and *rps4*) and morphological characters by Streiff (2006) seems to support the criterion of Maier, which is concordant with previous observations of Muñoz (pers. comm.). However, Greven (2009a) has a different opinion about *G. meridionalis* and includes it among the synonyms of *Grimmia austrofunalis* Müll. Hal. Nevertheless, Muñoz (1999) considers this taxon to be absent from Europe and restricted to America and Australia, and that all European specimens identified under this name actually correspond to other species. The considered by Greven (2009a) synonyms of *G. austrofunalis* (*Grimmia britannica* A.J.E. Sm., *G. decipiens* var. *robusta* Braithw., *G. robusta* Fergusson ex Braithw. nom. illeg. and *G. trichophylla* var. *robusta* (Braithw.) A.J.E. Sm.), – all of them corresponding to a single taxon – are according to Muñoz & Pando (2000) of uncertain identity as the name on which they are based, *G. robusta*, remains to be typified. The criterion of Muñoz included in Hill *et al.* (2006) has been followed in this paper.
- [42] *Grimmia horrida* was described from the Iberian Peninsula (Portugal and Spain) by Muñoz *et al.* (2009). Greven (2011) regards it only as variety of *G. montana*.

However, his “renaming” only “published” in his web treatments (http://www.grimmiasoftheworld.com/pdf/Grimmia_montana.pdf) is not valid from the nomenclatural point of view.

- [43] *Gymnostomum mosis* is an eastern Mediterranean species which, however, is absent from the European part. According to Cano *et al.* (1994) it was erroneously reported from Spain.
- [44] The genus *Hedenasiastrum* was created by Aigoïn *et al.* (2009) based on molecular data. It includes only the Madeiran endemic formerly described as *Brachythecium percurrans* Hedenäs.
- [45] *Hedwigia striata* is not considered an accepted species by Hill *et al.* (2006), but according to Hespanhol *et al.* (2010) it has been rehabilitated as a distinct species based on molecular data by Buchbender *et al.* (unpublished), and is therefore reported from Portugal.
- [46] Despite the wide range of variation in *Hygroamblystegium* species, Vanderpoorten (2004) proposed to include all of them in only one species, *H. varium*. However, Hill *et al.* (2006) did not follow this proposal arguing that further work was still needed. Vanderpoorten & Hedenäs (2009) in a new study of the Amblystegiaceae proposed to treat *H. humile* (P. Beauv.) Vanderp., Hedenäs & Goffinet as a variety of *H. varium* in order to reflect the great morphological variability observed in this taxon depending on the habitat conditions. These authors did not treat *H. tenax* and *fluviatile*, which probably should be also considered at variety level.
- [47] Following the study by Rams Sánchez (2007), Ochyra *et al.* (2008) proposed the name *Hymenoloma mulahaceni* (Höh.) Ochyra for *Oreoweisia mulahaceni* Höhn., an overlooked species described by Höhnel (1895) from the Spanish Sierra Nevada. They also considered the European *Hymenoloma intermedium* (J.J. Amann) Ochyra *nom. illeg.* (= *Dicranoweisia intermedia* J.J. Amann) to be a synonym of *H. mulahaceni*. Werner *et al.* (2013) have confirmed by molecular data this synonymy and its inclusion in the genus *Hymenoloma*. Also these authors present a complete description of the species and a key of the Holarctic species of the genus *Hymenoloma*.
- [48] *Hymenostylium hildebrandtii* is an African species also recorded in the Arabian Peninsula (Kürschner, 1998), and more recently in the Mediterranean area from the Moroccan Anti-Atlas by Cano *et al.* (2002).
- [49] *Hyophila pampanini* Zodda was described from Libya and later reported from this country by Pampanini (1914), but its identity has not been revised since.
- [50] The Madeiran and Azorean endemic *Echinodium prolixum* (Mitt.) Broth. was transferred to the genus *Isothecium* by Stech *et al.* (2008), based on the results of a morphological and molecular study carried out to clarify the origin of the genus *Echinodium*.
- [51] *Leptodictyum kurdicum* (Schiffn.) Broth. is a poorly known species described as *Amblystegium kurdicum* Schiffn. from Turkey, and that is the only country where it is known.
- [52] *Leptodon corsicus* was described by Sotiaux *et al.* (2009) from Corsica, and that is the only Mediterranean area where it is known to occur.
- [53] Olsson *et al.* (2011) suggested that the genus *Cryptoleptodon* should be included in *Leptodon*. *L. longisetus* is the only Mediterranean species formerly included in *Cryptoleptodon*.
- [54] According to Stech *et al.* (2011), *Leucodon sciurooides* var. *morensis* (Schwägr.) Kindb. should be considered a synonym of *Leucodon sciurooides* var. *sciurooides*.
- [55] The genus *Microeurhynchium* was created by Aigoïn *et al.* (2009) based on molecular data. It includes only *Oxyrrhynchium pumilum* (Wilson) Loeske (= *Rhynchostegiella pumila* (Wilson) E.F. Warb.).

- [56] Crosby & Buck (2011) were aware that the long-used generic name *Pterogonium* Sw. was illegitimate and they replaced it by *Nogopterium*. They also created the combination *Nogopterium gracile*.
- [57] The genus *Nyholmiella* was maintained as distinct from *Orthotrichum* by Goffinet *et al.* (2004) and Lara *et al.* (2009a).
- [58] *Oncophorus dendrophilus* was described by Hedderson & Blockeel (2006) from Cyprus and Crete, and these are the only territories where it is known.
- [59] *Orthotrichum letourneuxii* Besch. was described from Algeria but its identity cannot be evaluated because the type cannot be located, and it is impossible to conclude from the protologue whether it is an *Orthotrichum* or not (Lewinsky, 1993). A similar case is that of *Orthotrichum pseudostramineum* Dism. from France, of which Lewinsky (1993) states “type specimen not seen or incomplete”.
- [60] The American *Orthotrichum flowersii* Vitt was reported from France by Boudier & Pierrot (1992), but Hill *et al.* (2006) excluded it from Europe because the specimen actually belongs to *O. crenulatum*.
- [61] *Orthotrichum consobrinum* is an Asian species recently recorded in Spain and Turkey (Lara *et al.*, 2009b).
- [62] Köckinger *et al.* (2010) concluded that the sole species of the genus *Paraleptodontium*, *P. recurvifolium* (Taylor) D.G. Long, should be included in the genus *Oxystegus*. In Europe *O. recurvifolium* and *O. hibernicus* are both restricted to hyperoceanic regions, and therefore the reports of both species in the Mediterranean region should be revised. *Oxystegus tenuirostris* var. *holtii* (Braithw.) A.J.E. Sm. is recognised in this paper as a subatlantic taxon widespread and possibly frequent in Atlantic Europe. In the Mediterranean area it is only confirmed in France (Vosges Mts., from where it has been published by Frahm (1991) and Werner (1993) as *O. hibernicus*). *Oxystegus cylindricus* var. *irriguus* (Limpr.) Podp. is presumably a synonym of var. *holtii* although the type could not be studied.
- [63] Koponen & Isoviita (2010) have substantiated the use of the name *Philonotis capillaris*, which has preference over *P. arnellii* Husn.
- [64] *Philonotis laxitexta* is an Asian species known from Iran (Frey & Kürschner, 1991) and reaching the Mediterranean area in Lebanon.
- [65] *Physcomitrium immersum* was recorded in Egypt by Shabbara (1999). This is the only Mediterranean report of this species widely distributed in North America. This single report requires verification.
- [66] *Plagiomnium confertidens* is an Asian species (Koponen, 1981) that reaches the Mediterranean area only in Turkey.
- [67] *Plaubelia sprengelii* was recorded in Egypt by Shabbara (2006). This is the only Mediterranean report of this species known from North, Central and South America. This single report requires verification.
- [68] According to Brugués & Sérgio (2006), *Pleuridium serrulatum* Luisier, described from Spain, should be considered a synonym of *Dicranella heteromalla*.
- [69] *Pogonatum inflexum* is an Asian species that possibly reaches the Mediterranean area in Turkey (Çetin 1988a), although no locality has been given and the report is therefore uncertain.
- [70] *Pohlia korbiana* (Müll. Hal.) Wijk & Margad. was described from the Egyptian part of the Libyan desert as *Bryum korbianum* Müll. Hal., but its identity has not been revised since.
- [71] *Polytrichum autranii* Renauld & Cardot is a poorly known species described from Lebanon, but its identity has not been revised since.

- [72] *Pottiopsis caespitosa* was studied from a morphological and molecular standpoint by Ros & Werner (2007), who concluded that it was a very variable species that should also include *Trichostomum triumphans* De Not. (= *Weissia triumphans* (De Not.) M.O. Hill)) and *Weissia tyrrhena* M. Fleisch.
- [73] According to Vanderpoorten & Hedenäs (2009) the genus *Amblystegium* as considered in Hill *et al.* (2006) is unsatisfactory because there are phylogenetic evidences that *A. confervoides* (Brid.) Schimp., *A. radicale* (P. Beauv.) Schimp., and *A. subtile* (Hedw.) Schimp. are clearly not related to *A. serpens* (the type species) and should be accommodated within other genera. Consequently, *A. confervoides* is included in the monotypic genus *Serpoleskea* (Vanderpoorten *et al.*, 2002), *A. radicale* (= *Campylium radicale* (P. Beauv.) Grout) in the genus *Pseudocampylium*, and *A. subtile* (Hedw.) Schimp. (= *Platydictya subtilis* (Hedw.) H.A. Crum) in the genus *Pseudoamblystegium*.
- [74] The records of *Barbula indica* from Italy were revised to *B. consanguinea* in Köckinger *et al.* (2012) as a new European species. These authors also reported it from Croatia, as well as from other non Mediterranean countries (Austria, Hungary, and Switzerland). The previous Italian report as *Barbula cancellata* Müll. Hall. is a conflictive one, since it is an American taxon whose occurrence in Italy is very unlikely.
- [75] *Pseudoleskea perraldieri* Besch. was described from Algeria but its identity has not been revised since.
- [76] The genus *Pseudorhynchostegiella* was created by Aigo *et al.* (2009) based on molecular data. It includes only *Rhynchostegiella duriaei* (Mont.) P. Allorge & Perss.
- [77] Ochyra & Bednarek-Ochyra (2011) showed that *Hypnum boreale* F. Weber & D. Mohr belonged to the genus *Ptychostomum* Hornsch., and made the new combination in this genus. Additionally, they showed that this species was conspecific with *P. pallescens* (Schwägr.) J.R. Spence. Although there is no doubt of its presence in the Mediterranean countries, it appears to be strictly montane in them, and does not occur in the “typically lowland zone” (Holyoak, pers. comm.). Therefore, the distribution of the species in the area should be revised. The report in Malta as *Bryum obconicum* Hornsch. seems to correspond to *Ptychostomum torquescens* (Mifsud, 2012).
- [78] Huttunen & Ignatov (2010) established that the genus *Platyhypnidium* was polyphyletic and most of its species were included in *Rhynchostegium*; therefore they synonymised *Platyhypnidium* with *Rhynchostegium*.
- [79] *Rhynchostegium confusum* was described from continental Spain by Cezón *et al.* (2010).
- [80] Werner *et al.* (2007) showed that the Canarian endemic *Platyhypnidium torrenticola* (Ochyra, C. Schmidt & Bültmann) Ochyra & Bednarek-Ochyra (= *Gradsteinia torrenticola* Ochyra) should not be considered distinct from *Rhynchostegium riparioides* (= *Platyhypnidium riparioides*).
- [81] The reports of *Schistidium apocarpum* in the Mediterranean published before the revision of Blom (1996) should be revised in order to establish to which of the presently accepted species they correspond.
- [82] *Schistidium cinclidodonteum* is a montane American species that was reported from the high mountains of Morocco by Ros *et al.* (2000).
- [83] The occurrence of *Schistidium strictum* in most areas of the Mediterranean is doubtful because it is a strongly oceanic species and its presence is usually based on reports of *Grimmia apocarpa* var. *gracilis* Röhl., *Schistidium apocarpum* var. *gracile* (Röhl.) Bruch & Schimp., and *Schistidium gracile* (Röhl.) Limpr. There are uncertainties about the correct interpretation of these names and their synonymy with *Schistidium strictum* or *S. apocarpum* (Blom, 1996).
- [84] The revision of the genus *Sciuro-hypnum* in the Mediterranean area and Europe by Orgaz *et al.* (2011) has not been followed. These authors reject the presence of

- S. tromsoeense*, segregated from *S. starkei* by Draper & Hedenäs (2008) and reported in the Mediterranean from France (Draper & Hedenäs, 2008) Greece (Orgaz Álvarez & Blockeel, 2010) and Italy (Blockeel *et al.*, 2010). The arguments used by Orgaz *et al.* (2011) are the morphological discrepancies observed between the type, with smooth seta and costa reaching mid-leaf, and the Mediterranean samples that seem to show a rough seta and percurrent costa. Therefore, these authors consider that all the Mediterranean samples identified as *S. tromsoeense* should be referred to *S. reflexum*. Draper & Hedenäs (2008) include in their molecular study a sample from France and it sits together with other samples of *S. tromsoeense*, and not with *S. reflexum*, so it can be said with some confidence that *S. tromsoeense* occurs at least in France, and cannot be excluded from the Mediterranean checklist. Furthermore Orgaz *et al.* (2011) do not consider the morphological variation within *S. tromsoeense* nor the available molecular evidence. Recently, Hedenäs *et al.* (2012) revealed a polyphyly in ITS data of *S. tromsoeense*, and also admitted the existence of rough seta in this taxon.
- [85] *Brachythecium curtum* (Lind.) Limpr. was considered by Piippo (1983) a synonym of *Sciuro-hypnum oedipodium*, but later Ignatov & Milyutina (2007), taking account of molecular data, recognised it as a distinct species (*Sciuro-hypnum curtum*). It seems that all earlier European records of *S. oedipodium* rather refer to *S. curtum* but revisions will be necessary in at least some countries, as *S. oedipodium* is known from the Russian part of Greater Caucasus. Also it seems to have been excluded from Europe and the Mediterranean by Orgaz *et al.* (2012), since it is not included in their treatment.
- [86] *Sphagnum subtile* (Russow) Warnst. is a controversial taxon that was not recognised in Hill *et al.* (2006), although it has been reported from different Mediterranean countries including Spain (Muñoz & Aldasoro 1995; Brugués *et al.*, 2007b).
- [87] According to Hill *et al.* (2006), *Sphagnum nitidulum* Warnst. ex Warnst. was described from Terceira in the Azores, but the type material has presumably been destroyed and its identity is obscure.
- [88] *Splachnobryum aquaticum* was reported from Jordan by El Oqlaq *et al.* (1988) as *S. arabicum* Dixon, which is considered a synonym of the former species by Arts (2001). According to this author *S. aquaticum* is distributed in Somalia and Southern Asia, as well as the Arabian Peninsula (type of *S. arabicum*).
- [89] *Splachnobryum limbatum* was reported from Egypt by El-Saadawi *et al.* (1999). However, this is the only Mediterranean report of this species unknown from any of the adjacent territories, but distributed in the Pacific Islands East of Papua New Guinea. This single report requires verification.
- [90] *Stegonia mouretii* (Corb.) Broth. was described from Morocco as *Pottia mouretii* Corb., but its identity has not been revised because the type specimen has not been traced (Ros, unpublished). *Stegonia mouretii* var. *crinita* Corb. ex Jelenc was studied by Cano *et al.* (2000) and proved to be a synonym of *Pterygoneurum ovatum*.
- [91] *Syntrichia submontana* (Broth.) Ochyra is an Asian species known from Mongolia (Kellmann, 2011; Zander, 1993) and from an old locality in Jordan.
- [92] The taxonomic status of *Thamnobryum alopecurum* var. *maderense* is controversial since some authors treat it at specific rank, while others treat it as a variety under *T. alopecurum*. Two recent papers have been published on this subject (Frahm & Sabovljević, 2006; Olsson *et al.*, 2009), both reporting molecular analysis based on very few specimens. Frahm & Sabovljević (2006) found exceptionally high ITS sequence divergences between *T. alopecurum* s.s., var. *maderense*, and *T. fernandesii*, which contradict previous molecular results (Stech *et al.* 2001). Therefore, the question seems to remain unsolved.
- [93] According to Werner *et al.* (2005) and Grundmann *et al.* (2006), *Pleurochaete* is included within the genus *Tortella*. The two species present in the Mediterranean traditionally treated in *Pleurochaete*, the widespread *P. squarrosa* (Brid.) Lindb. and the south-west Asian *P. malacophylla* (Müll. Hal.) Broth. are treated here in *Tortella*.

- [94] *Tortula wilczekii* Meyl. was described from Algeria as *Tortula mairei* Meyl. *nom. illeg.*, a later homonym. However, its identity has not been revised because the type has not been traced (Ros, unpublished).
- [95] *Tortula buyssonii* (H. Philib.) Broth. was described from France as *Barbula buyssonii* H. Philib., but its identity has not been revised.
- [96] *Barbula montenegrina* Breidl. & Szyszyl., often considered a synonym of *Tortula lingulata* Lindb., has been synonymised by Košnar & Kučera (2010) with *T. muralis* var. *obtusifolia*. As this is the only report of *Tortula lingulata* in the Mediterranean countries, it should be excluded from the area.
- [97] The species included in the genus *Phascum* by Hill *et al.* (2006), *Phascum cuspidatum* Hedw. and *Phascum vlassovii* Laz., are here included in the genus *Tortula* as *Tortula acaulon* and *Tortula vlassovii* following the proposals of Zander (1993) and Werner *et al.* (2002, 2004) for the former and Ros & Herrnstadt (2010) for the latter. Also Ros & Herrnstadt (2010) reduced *Phascum galilaeum* Herrnst. & Heyn. to a variety of *Tortula acaulon* and synonymised *Pottia gemmifera* Herrnst. & Heyn., also from Israel, with *Tortula caucasica*.
- [98] The genus *Protobryum* is accepted in Hill *et al.* (2006) for the single species *P. bryoides* (Dicks.) J. Guerra & M.J. Cano. We include this species in the genus *Tortula* as proposed by Zander (1993) and corroborated subsequently from molecular data by Werner *et al.* (2002, 2004).
- [99] According to Ros *et al.* (2008), the names *Tortula caucasica* Broth. and *T. lindbergii* should replace *T. modica* R.H. Zander and *T. lanceola* R.H. Zander respectively.
- [100] *Tortula kneuckeri* Broth. & Geh. was considered a *nomen nudum* by Wijk *et al.* (1969) based on Brotherus (1924), who did not include a species description or illustration. However, a description of this species had been given earlier by Geheeb (1903), which substantiates its recognition. More recently it has been collected and described from Sinai (Egypt) by Abou-Salama (2001).
- [101] *Tortula mucronifera* was described from the Arabian Peninsula and Jordan by Frey *et al.* (1994) and later reported from Morocco by Cano *et al.* (2002).
- [102] Košnar & Kolář (2009) in a biosystematic study of the *Tortula muralis* complex using multivariate analysis of morphological characters, a cultivation experiment and cytological screening showed that subsp. *obtusifolia* (= *T. obtusifolia* (Schwägr.) Mathieu) was invariably haploid, but that both haploid and diploid plants were shown to occur in subsp. *muralis*. The pattern of morphological variability however allowed the recognition of the two subspecies within *T. muralis* and two varieties within subsp. *muralis*. In the case of var. *aestiva*, they maintained the varietal rank. Even though it had been synonymised with the type variety by Cano (2006a), Košnar & Kolář (2009) observed that the main character of the gametophyte used for the determination of this variety (costa excurrency) proved to be stable in cultivation, indicating that this character is under genetic control.
- [103] *Tortula plinthobia* (Sull. & Lesq.) Broth. was reported from Egypt by Refai (2001) but this is the only Mediterranean report of this species known from North America. This single report requires verification.
- [104] *Triquetrella papillata* (Hook. f. & Wilson) Broth. was reported from Egypt by Badawi *et al.* (1987) and El-Saadawi *et al.* (1987), but later considered a misidentification by El-Saadawi *et al.* (1999). It is therefore rejected from the area.
- [105] *Weissia leptocarpa* Schimp. ex Besch. *hom. illeg.* is a doubtful and illegitimate name that was described from Portugal (Lavier 1880), and later reported from Turkey (Wettstein, 1889) and Algeria (Jelenc, 1955), and later included in some of the compilations of these countries. The identity of the name has not been revised recently.

- [106] *Hymenostomum subrostellatum* Schimp. ex Besch. was described from Algeria, but the type has not been traced and its identity has not been studied. If it merits recognition, then a new combination in the genus *Weissia* Hedw. may be required.
- [107] *Weissia algeriana* Müll. Hal. *nom. inval.* was cited erroneously from Spain by Düll (1984).
- [108] *Weissia breutelii* (= *Hymenostomum breutelii* (Müll. Hal.) Kindb.) has been reported from Israel and Turkey (Herrnstadt *et al.*, 1982 and Blockeel *et al.*, 2009a). As it is an American species these reports require further investigation.
- [109] *Weissia ovatifolia* was described by Kürschner (1995) from Jordan and to date that is the only country where it is known.
- [110] *Weissia sinaloensis* was reported from Egypt by Shabbara *et al.* (2009), but this is the only Mediterranean report of this species known from Central and South America. This single report requires verification.
- [111] *Zygodon catarinói* C. Garcia, F. Lara, Sérgio & Sim-Sim was described by Garcia *et al.* (2006) from the Western Mediterranean area (Morocco, mainland Spain and Portugal). Later it has been reported from other Mediterranean areas.
- [112] *Zygodon obtusifolius* was reported from Egypt by El-Saadawi *et al.* (1987), but this is the only Mediterranean report of this species known from Central and South America and Australia. This single report requires verification.
- [113] *Clasmatodon parvulus* (Hampe) Sull. is here rejected from the Mediterranean area. Heras *et al.* (2006) established that it had been erroneously reported from Spain, and thus recommended its exclusion from the whole European continent, what was followed by Hill *et al.* (2006).
- [114] The locus classicus of *Vesicularia reimersiana* in northern Africa ("Tassili n'Adrar, point d'eau Tig Hert, à l'ouest de Tamada) by Bizot & Potier de la Varde (1952), was erroneously considered by Ros *et al.* (1999) to belong to Mali, since it actually is situated in the south of Algeria. *Vesicularia galerulata* (Duby) Broth. and *V. reimersiana* have been reported from Malta, and the former also from Sicily. Hill *et al.* (2006) reviewed the history of these reports and concluded that it seemed likely that *V. galerulata* had never been found in Europe, but they retained *V. reimersiana* in the European list. From this it can be interpreted that they accepted the presence of this species on Malta. On the other hand Frahm & Lüth (2008) only cited *V. galerulata* for Malta and did not mention *V. reimersiana* as the possible identity of the Maltese record. These authors, based on Bizot & Potier de la Varde (1952), considered the presence of *Vesicularia* in Malta very doubtful. In our opinion, the presence of any species of this genus in the European part of the Mediterranean is unlikely. Since the original Maltese specimen was destroyed in B during the Second World War, both species should be excluded from Europe until new data substantiate or disprove their occurrence and only *V. reimersiana* should be accepted from Northern Africa.
- [115] *Dicranodontium uncinatum* should be excluded from Andorra (Brugués & Ruiz, 2011d). Also, *Drepanocladus sendtneri* and *Kiaeria falcata* were erroneously reported from Andorra and Spain according to Brugués & Ruiz (2003), and Brugués & Ruiz (2011e) respectively.
- [116] *Sphagnum molle* var. *limbatum* Warnst. has been reported from Andorra and France. At present this name is considered a synonym of *Sphagnum angermanicum* Melin, but both reports were misidentifications of abnormal (isophyllous) forms of *Sphagnum capillifolium* (Casas, 2005, Pierrot, 1988).
- [117] *Rhynchostegium ruscifforme* var. *atlanticum*, which was cited for Albania by Petrov (1960), is erroneously synonymised with *R. alopecuroides* (Brid.) A.J.E. Sm. (= *Platyhypnidium lusitanicum* (Schimp.) Ochyra & Bednarek-Ochyra) in Sabovljević *et al.* (2008a). It should therefore be excluded from the Albanian moss list.

- [118] The only report of *Aloina aloides* in the Azores was made by Eggers (1982) and it has been later rejected by Sjögren (2001) and Gabriel *et al.* (2010).
- [119] *Bartramia pomiformis* was reported from the Azores by Cunha & Barros (1942: 157) and retained by Casas *et al.* (1992a: 15), based on Cunha & Barros and a herbarium specimen (LISU 64491). However it was excluded by Sjögren (2001), because he never found it during his extensive collection trips (pers. comm., 30 April 2010).
- [120] *Campylopus atrovirens* was reported from the Azores by Trelease (1897: 184), Cunha & Barros (1942: 157) and Smookler (1967: 50). The species was excluded by Sjögren (2001), but Claro *et al.* (2009) have recently confirmed a collection made by C. Sérgio in São Jorge Island.
Campylopus pilifer var. *brevirameus* (Dixon) J.-P. Frahm & M. Stech was reported recently from the Azores and Madeira by Frahm & Stech (2006).
- [121] *Daltonia splachnoides* was first reported from the Azores by Silveira (1937: 244); however Sjögren (2001) stated that all Azorean records correspond to *Daltonia stenophylla* Mitt.
- [122] The only report of *Dichodontium pellucidum* from the Azores was made by Hübschmann (1973-1974). However Düll (1992: 30) stated “The record from Ac (leg. v. Hübschmann) belongs to *Ptychomitrium nigrescens*...” and it was thus excluded by Sjögren (2001) and Gabriel *et al.* (2010).
- [123] The occurrence of *Dicranoweisia cirrata* in the Azores was considered questionable by Sjögren (2001), but it was accepted by Gabriel *et al.* (2010).
- [124] *Echinodium spinosum* (= *Leskea spinosa* Mitt., *Sciaromium spinosum* (Mitt.) Mitt.) was reported from the Azores (without indication of locality or island) by Mitten (1870: 313), and this report has been repeated by other authors such as Trelease (1897: pp. 178), Allorge & Allorge (1946: 385) and Churchill (1986: 121). However, in the absence of supporting specimens, the species was excluded from the Azores by Gabriel *et al.* (2010).
- [125] *Entosthodon convexus* was reported from the Azores by Allorge & Allorge (1952: 70) as *Funaria convexa* Spruce but was considered questionable by Sjögren (2001). However Cecília Sérgio reviewed all the *Entosthodon* material collected by Allorge couple and did not find any Azorean specimen of this species (Cecília Sérgio, pers. comm.). It was therefore excluded by Gabriel *et al.* (2005).
- [126] *Entosthodon muhlenbergii* was considered questionable for the Azores by Gabriel *et al.* (2005).
- [127] *Fissidens adianthoides* and *Fissidens crassipes* were considered questionable for the Azores by Sjögren (2001), but he did not undertake any further study to clarify their presence.
- [128] *Fissidens osmundoides* was reported from the Azores by Russel (1862: 137), but its presence in this archipelago was considered questionable by Trelease (1897: 183) and later excluded by Sjögren (2001) and Gabriel *et al.* (2010).
Fissidens ovatus Brid. is an African species that apparently has been cited from the Azores through confusion with *Fissidens azoricus* (= *Fissidens ovatus* var. *azoricus*).
- [129] The only report of *Fissidens ovatifolius* in the Azores was made by Allorge & Allorge (1946: 334), as *Fissidens perssonii* P. de la Varde, without any indication of island or date of collection. It was recently excluded from the Azorean bryoflora by Gabriel *et al.* (2010).
- [130] *Grimmia incurva* was reported from the Azores (Pico) by Allorge & Allorge (1946: 379) and Allorge & Allorge (1952: 68), based on a collection by H. Persson. It was considered questionable by Sjögren (2001), but he did not undertake any further study to clarify its presence in the Azores.
- [131] *Grimmia trichophylla* was excluded from the Azores by Sjögren (2001) and Gabriel *et al.* (2010), following a revision by Erik Sjögren: “the Azorean specimens identified

as *Grimmia trichophylla*, *G. trichophylla* subsp. *eutrichophylla* and *G. trichophylla* subsp. *meridionalis* correspond to *Grimmia lisae*" (Erik Sjögren, pers. comm.).

Grimmia azorica Renauld & Cardot, reported from the Azores, Canary Islands, and Madeira, was considered a synonym of *Grimmia trichophylla* by Corley *et al.* (1981), but Muñoz (1999) synonymised it with *Grimmia lisae*. This latter treatment is followed in Hill *et al.* (2006).

- [132] *Grimmia montana* was considered questionable in the Azores by Sjögren (2001).
- [133] *Gymnostomum calcareum* var. *atlanticum* Sérgio was described by Sérgio (2006) from Azores, France, Madeira, mainland Portugal and Spain.
- [134] *Hedwigia ciliata* was reported from the Azores (without location) by Luisier (1932), but was excluded by Sjögren (2001) and Gabriel *et al.* (2010).
- [135] *Homalia trichomanoides* was excluded from the Azores by Sjögren (2001) and Gabriel *et al.* (2010).
- [136] *Homalothecium lutescens* was excluded from the Azores by Sjögren (2001) and Gabriel *et al.* (2010).
- [137] *Homomallium incurvatum* was reported from the Azores (Graciosa Island) by Sjögren (1990: 69, 89), but he did not include it in his subsequent check-list (Sjögren, 2001), nor in his later co-authored check-lists (Gabriel *et al.*, 2005, 2010).
- [138] According to Sjögren (2001), the presence of *Hygroamblystegium varium* var. *humile* in the Azores is doubtful.
- [139] *Hymenoloma crispulum* was first reported from the Azores (Pico Island) by Richards, (1937: 133) as *Dicranoweisia crispula* but its occurrence was considered doubtful by Gabriel *et al.* (2005). However the species was reinstated by Gabriel *et al.* (2010).
- [140] The occurrence of *Hypnum andoi* in Macaronesia was considered doubtful by Hedenäs (1992) and Sjögren (2001).
- [141] The presence of *Leucodon canariensis* was considered doubtful in the Azores by Hedenäs (1992) and González-Mancebo *et al.* (2009a), in spite of the report by Hübschman (1973-1974: 652).
- [142] *Orthotrichum urnigerum* was excluded from the Azores by Sjögren (2001) and Gabriel *et al.* (2010).
- [143] *Plagiothecium denticulatum* was reported from the Azores by Trelease (1897) and Allorge & Allorge (1946) without localities, and was excluded from the Azores by Sjögren (2001) and Gabriel *et al.* (2010).
- [144] The only report of *Pohlia cruda* from the Azores (Pico Island) was made by Eggers (1982: 315), but its presence was considered questionable by Sjögren (2001).
- [145] *Bryum caespitium* var. *atlanticum* Cardot was described from Madeira and later also reported from the Azores by several authors. According to Sérgio *et al.* (2006c), its taxonomic position requires clarification. If it merits recognition, then a new combination may be required under *Ptychostomum imbricatum*.
- [146] *Racomitrium canescens* was reported from the Azores by Allorge & Allorge (1952) and Sjögren (1995), but Cecília Sérgio reviewed all the material collected by Allorge couple and could not confirm its occurrence. It was subsequently excluded by Sjögren (2001) and Gabriel *et al.* (2010).
- [147] The occurrence of *Schistidium agasizii* in the Azores was considered questionable by Sjögren (2001) based on Bremer (1981).
- [148] *Sphagnum pylaesii* was reported from the Azores by Sjögren (2001) (from a collection by René Schumacker), but this proved to be a misidentification, and thus it was excluded by Gabriel *et al.* (2005).

- [149] *Sphagnum rubellum* was reported from the Azores by Allorge & Allorge (1952: 53), but its occurrence was considered questionable by Sjögren (2001). Nevertheless, Kjell I. Flatberg recognised it in the field during a visit to Terceira Island on 4 March 2004.
- [150] *Cinclidotus fontinaloides* var. *lorentzianus* Molendo was reported from the Balearic Islands and France. *Cinclidotus fontinaloides* var. *laxus* Meyran *nom. nud.* and *Cinclidotus fontinaloides* var. *obtusifolius* Corb. in Meyran *nom. nud.* were reported from France.
- [151] *Fissidens exilis* and *Fissidens rufulus* were erroneously reported from the Balearic Islands according to Sáez *et al.* (2002) and Sáez *et al.* (2006a) respectively.
- [152] Reports of *Fontinalis hypnoides* in the Balearic Islands without indication of variety belong to var. *duriaei* (Cros *et al.*, 2007). According to Nicholson (1907a), *Fontinalis squamosa* was erroneously reported from the Balearic Islands.
- [153] Two infraspecific taxa of *Funaria hygrometrica* of unknown identity have been reported in the Mediterranean region: *Funaria hygrometrica* var. *microspora* Dixon from the Balearic Islands and *Funaria hygrometrica* var. *intermedia* Warnst. from Egypt. Also several invalid names have been used: *Funaria hygrometrica* var. *brevipes* Jelenc *nom. nud.* and *Funaria hygrometrica* var. *macrocarpa* Jelenc *nom. nud.* for Algeria, and *Funaria hygrometrica* var. *dentata* Corb. in Maire & Werner *nom. nud.* for Morocco.
- [154] According to Rosselló (1986), *Plagiomnium cuspidatum* was erroneously reported from the Balearic Islands.
- [155] According to Sáez *et al.* (2002), *Polytrichum piliferum* was erroneously reported from the Balearic Islands.
- [156] According to Cros *et al.* (2007), *Syntrichia virescens* was erroneously reported from the Balearic Islands.
- [157] *Trichostomum brachydontium* subsp. *pusillum* Koppe was described from the Balearic Islands by Koppe (1965) based on the reduced size of the plants.
- [158] According to Sáez *et al.* (2002), *Weissia rostellata* was erroneously reported from the Balearic Islands. *Weissia longifolia* var. *angustifolia* (Baumgartner) Crundw. & Nyholm was reported from the Balearic Islands, France and Malta. Bescherelle (1892) described *Astomum crispum* var. *minus* Besch. from Algeria but the type has not been found to date and therefore its identity has not been studied. If it merits recognition, then a new combination under *Weissia longifolia* may be required.
- [159] According to Sáez *et al.* (2002), *Zygodon conoideus* was erroneously reported from the Balearic Islands.
- [160] *Calliargon richardsonii* was reported from Bulgaria by Vajda (1960) in Mt. Rila based on specimens collected by Petrov in 1954. A revision of herbarium specimens in 2006 (Hájková *et al.* 2007a) showed that it was confused with *Straminergon stramineum* (Brid.) Hedenäs. A specimen from the same locality was also kept at the Hungarian Natural History Museum (BP), and also was re-identified as *Straminergon stramineum* (rev. K. Karczmarz, 1966).
- [161] Petra Hájková revised herbarium specimens of *Meesia triquetra* collected by S. Petrov from the Central Balkan Mountains, and concluded that they corresponded to *M. uliginosa* (Hájková *et al.*, 2007a). *Meesia triquetra* has also been reported from Rila Mt., the Western Rhodopes, and Vitosha Mt., but there are no supporting herbarium specimens. Thus the occurrence of the species in Bulgaria requires confirmation.
- [162] According to Dirkse & Brugués (2010), *Entosthodon muhlenbergii* should be excluded from the Canary Islands.
- [163] Maier (2010) synonymised *Grimmia curviseta* with *G. orbicularis* because of the resemblance of the types in leaf shape, basal leaf cells and costal anatomy. The evidence presented is not convincing. *Grimmia curviseta* was described from Tenerife, where it is common at altitudes above 2000 m. Pending further studies, we prefer to keep the two species separate.

- [164] According to González-Mancebo *et al.* (2008a) the presence of *Grimmia donniana* in the Canary Islands requires confirmation.
- [165] *Philonotis caespitosa* var. *caespitosa* and var. *aristata* Loeske were reported from the Canary Islands. *Philonotis fontana* var. *syriaca* (Lorentz) Paris (= *Philonotis caespitosa* var. *syriaca* Lorentz) was reported from Syria. Two other infraspecific names in the genus *Philonotis* that have been cited from the Mediterranean region are: *Philonotis calcarea* fo. *junior* Braun-Blanquet *nom. nud.* from Morocco and *Philonotis laxissima* var. *gemmiclada* Bizot *nom. nud.* from Egypt, although *P. laxissima* is at present considered synonymous with *P. hastata*.
- [166] *Pseudorhynchostegiella duriaei* (= *Rhynchostegiella duriaei* (Mont.) P. Allorge & Perss.) and *Rhynchostegiella curviseta* were excluded from the Canary Islands by Dirkse & Bouman (1995) after revision of the specimens, which they re-identified as *R. litorea*. They also excluded *Rhynchostegiella tenella* from the Canary Islands.
- [167] *Schistidium confertum* was reported from the Canary Islands by Blockeel (2002) but by mistake it was not included in Losada-Lima *et al.* (2004) nor in González-Mancebo *et al.* (2008a).
- [168] *Sciuro-hypnum populeum* was excluded from the Canary Islands by González-Mancebo *et al.* (2008a), after a revision of the reported specimens.
- [169] *Tortella fragilis* was excluded from the Canary Islands by Dirkse & Losada-Lima (2011) based on a revision of the only previous report. They stated that it had been confused with *Tortella alpicola*.
- [170] *Acaulon piligerum* was reported provisionally from Crete by Düll & Düll-Hermanns (1973), but the record was subsequently corrected to *Tortula acaulon* var. *pilifera* (= *Phascum cuspidatum* var. *piliferum*) by Düll (1995e).
- [171] *Barbula enderesii* was reported from Crete by Nicholson (1907b) but the specimen was redetermined by Laflin (1973) as *Tortella inflexa*.
- [172] The occurrence of *Ceratodon purpureus* subsp. *stenocarpus* in Greece requires confirmation. Blockeel (1991) reported sterile specimens that could not be confirmed in the absence of sporophytes. Records of *C. conicus* from Crete could also belong to *C. purpureus* subsp. *stenocarpus*.
- [173] *Didymodon cordatus* was reported from Crete by Werner (1998), but the record was subsequently withdrawn as an error (Werner, 2008).
- [174] Material of *Oncophorus* from western Crete was reported as *O. virens* by Gradstein (1970) and Frahm *et al.* (1998), and as *O. wahlenbergii* by Corley (1979). This material is probably referable to the recently described *O. dendrophilus* (Hedderon & Blockeel, 2006).
- [175] *Seligeria recurvata* var. *pumila* C. Hartman, at present considered a synonym of *Seligeria diversifolia* Lindb., was recorded from Crete by Düll & Düll-Hermanns (1973) but the record was subsequently corrected to *S. calycina* by Düll (1995e).
- [176] The record of *Tortula lindbergii* from Crete as *Tortula lanceola* R.H. Zander cited by Düll (1966) is noted as unconfirmed ('unbestätigt') by Düll (1979).
- [177] The record of *T. viridifolia* from Crete by Nicholson (1907b) was redetermined as *T. pallida* by Laflin (1973).
- [178] The specimen of *Anacolia webbii* from Cyprus reported by Townsend (1965) was determined as *A. menziesii* by García-Zamora *et al.* (1998b).
- [179] *Grimmia alpestris* was listed for Cyprus by Koppe (1976), but he included *G. ungeri* Jur. in his concept of *G. alpestris*.
- [180] *Grimmia decipiens* was reported from Cyprus by Koppe (1976) but Greven (1994a) considered these reports as doubtful.

- [181] *Gymnostomum mosis* has been reported from Cyprus (Townsend, 1965) and Greece (Schiffner & Baumgartner, 1919). Whitehouse & Crundwell (1991) showed that these records belong to *Gymnostomum viridulum*.
- [182] *Kindbergia praelonga* is listed for Cyprus by Frey & Kürschner (1991), citing Juratzka & Milde (1870). However no localities for Cyprus were listed by Juratzka & Milde (1870).
- [183] *Aulacomnium palustre* var. *djurdjurae* Trab. ex Jelenc was described from Algeria and its identity has not been revised since.
- [184] *Barbula ehrenbergii* var. *algeriae* (Müll. Hall.) Venturi & Bott. was described as *Trichostomum mediterraneum* var. *algeriae* Müll. Hal. from Algeria and later reported from Morocco. Also *Barbula ehrenbergii* var. *immersa* Trab. ex Jelenc was reported from Algeria and *Barbula ehrenbergii* f. *laxissima* P. de la Varde from Morocco. The identity of the three names has not been revised since. If they merit recognition, then new combinations under *Barbula bolleana* may be required. *Barbula trabutii* Jelenc *nom. inval. descr. gall. (Didymodon trabutii* Corb. in Jelenc *nom. nud.*) was also reported from Algeria and likewise seems to be related to this variable species (Jelenc, 1955), although its identity has not been revised because the material has not been traced (Ros, unpublished).
- [185] *Brachymenium canariense* Schimp. *nom. nud.* was first reported from Madeira by Geheeb & Herzog (1910), although it originates from material in the Schimper herbarium from the Canary Islands. *Brachymenium commutatum* var. *attenuatum* Thér. & Trab. was described from Algeria and later reported from Morocco. Ros *et al.* (2007b) were not able to find the type when studying *B. commutatum* and its var. *hispanicum* Thér. in southern Spain, but they give convincing arguments for the doubtful taxonomic value of the North African name.
- [186] *Bryum bicolor* var. *denticulatum* (Besch.) Jelenc, *B. bicolor* var. *macrothecium* (Besch.) Jelenc and *B. bicolor* var. *tenellum* (Besch.) Jelenc were reported from Algeria. Their identities have not been revised since. *Bryum bicolor* var. *tuneticum* (Besch.) Jelenc was described from Tunisia. If they merit recognition, then new combinations under *Bryum dichotomum* may be required.
- [187] *Bryum gemmiparum* var. *ahaggarensis* Thér. & Trab. was described from Algeria but its identity has not been revised since, although it has also been reported from Chad by Jelenc (1959).
- [188] *Bryum schleicheri* f. *peracutifolium* Thér., *B. schleicheri* f. *stenophyllum* Thér., and *B. turbinatum* f. *gracilifolium* (Besch.) Podp. (= *B. turbinatum* var. *gracilifolium* Besch.) were described from Algeria but their identities have not been revised since. This is also the case with *B. turbinatum* var. *riparium* J.J. Amann reported from Lebanon.
- [189] *Crossidium squamiferum* var. *brevisetum* (Besch.) Paris was described from Algeria as *Barbula membranifolia* f. *breviseta* Besch. but its identity has not been revised since. It has also been reported from France.
- [190] *Barbula acuta* fo. *viridis* Podp. was reported from Algeria and France but its identity has not been revised since. If it merits recognition, then a new combination under *Didymodon acutus* may be required. The same applies to *Barbula vinealis* var. *decipiens* Meyl. reported from France, which would require a combination under *Didymodon vinealis*.
- [191] Several infraspecific taxa have been described or mentioned within *Didymodon tophaceus* but their identities have not been revised since: var. *brevicaulis* Besch. *nom. nud.* and fo. *recurvifolius* (Boulay) Willd. for Algeria; var. *brevifolius* (Bruch & Schimp.) Paris (= *Barbula tophacea* var. *brevifolia* (Bruch & Schimp.) Dixon; *Trichostomum tophaceum* var. *brevifolium* Bruch & Schimp.), fo. *lingulatus* (Boulay) Mönk., and var. *humilis* (Schimp.) Warnst. for Egypt; var. *brevifolius* (Bruch & Schimp.) Paris (= *Trichostomum tophaceum* var. *brevifolium* Bruch & Schimp.) for

- France; fo. *acutifolius* Zodda *nom. illeg.*, var. *brevifolius* (Bruch & Schimp.) Paris, var. *cucullatus* Bott., and fo. *lingulatus* (Boulay) Mönk. for Libya; fo. *elato-lingulata* Boulay *nom. nud.*, fo. *lingulatus* (Boulay) Mönk., and fo. *recurvifolius* (Boulay) Willd. for Morocco; and var. *brevifolius* (Bruch & Schimp.) Paris for Turkey.
- [192] *Drepanocladus aduncus* var. *laxus* Schimp. ex Jelenc *nom. inval.* was reported from Algeria and Morocco but its identity is difficult to assess because in his taxonomic study Żarnowiec (2001) was not able to locate the type.
- [193] *Encalypta vulgaris* var. *gymnostoma* Besch. *nom. nud.* was reported from Algeria and Morocco and its identity has not been revised since.
- [194] *Entosthodon ericetorum* f. *elata* Besch. *nom. nud.* was reported from Algeria but its identity has not been revised since. If it merits recognition, then a new combination under *Entosthodon obtusus* may be required.
- [195] *Grimmia crinita* f. *compacta* Besch. *nom. nud.*, *G. orbicularis* var. *longipila* Husn. and *G. pulvinata* var. *longipila* Schimp. have been reported from Algeria and the latter also from Greece but their identities have not been revised since. *Grimmia crinita* fo. *brevis* (Boulay) Podp. (= *G. crinita* var. *brevis* Boulay) has been reported from France and Tunisia. Some previous authors consider this taxon a synonym of *Grimmia crinita*, but Muñoz & Pando (2000) did not locate the type and could not confirm this.
- [196] *Homalothecium philippeanum* var. *kabylica* Trab. ex Jelenc *nom. inval. descr. gall.* was reported from Algeria but its identity has not been revised since.
- [197] *Mnium undulatum* var. *kabylicum* Trab. in Jelenc *nom. inval. descr. gall.* was reported from Algeria but its identity has not been revised since. If it merits recognition, then a new combination under *Plagiomnium undulatum* may be required.
- [198] *Bryum pseudotriquetrum* var. *algeriense* Corb. (= *B. ventricosum* var. *algeriense* Corb. *nom. illeg.*) was described from Algeria but its identity has not been revised since. The same applies to *B. pseudotriquetrum* var. *corconticum* Podp. and *B. pseudotriquetrum* var. *polytrichoides* Corb., both reported from France. If they merit recognition, then new combinations under *Ptychostomum pseudotriquetrum* may be required.
- [199] *Pylaisia polyantha* fo. *gracillima* Besch. was described from Algeria but its identity has not been revised since.
- [200] *Rhynchostegium confertum* var. *latifolium* Renaud in Jelenc was described from Algeria but its identity has not been revised since. *Rhynchostegium megapolitanum* var. *hygrophyllum* Renaud in Jelenc *nom. inval. descr. gall.* was reported from Algeria. *Platyhypnidium rusciforme* var. *longifolium* Trab. in Jelenc *nom. inval. descr. gall.*, *P. rusciforme* var. *squarrosus* (Boulay) Latzel, and *P. rusciforme* f. *tophacea* Besch. *nom. nud.* were reported from Algeria but their identities have not been revised since. If they merit recognition, then new combinations under *Rhynchostegium riparioides* may be required.
- [201] The only report of *Sematophyllum demissum* from Algeria was compiled by Jelenc (1955) from Kabylie de Collo: Oued Elli el Diab. The specimen is kept in the Faurel herbarium and was revised by Pierrot (2000) as *S. substrumulosum* and, therefore, *S. demissum* was deleted from the country.
- [202] According to Muller *et al.* (2010, 2011) only two species of *Sphagnum* are present in Northern Africa: *Sphagnum auriculatum* and *S. subnitens*. Both are known from Tunisia and Morocco, but only *S. auriculatum* is known from Algeria, although 17 different names are mentioned in the literature and on herbarium packets. Among them are the following accepted species, which should be excluded from the North African flora: *Sphagnum contortum* K.F. Schultz, *S. palustre* L. and *S. subsecundum* Nees from Algeria; *S. flexuosum* Dozy & Molk. from Morocco; and *S. capillifolium* (Ehrh.) Hedw. and *S. subsecundum* Nees from Tunisia. The same authors also document the severe decline of both species, especially *Sphagnum subnitens*, which they consider to be regionally extinct in Tunisia. The only localities at present in Northern Africa seem to be in north-western Morocco.

- [203] *Thamnum alopecurum* var. *decepiens* Corb. was described from Algeria but its identity has not been revised since. If it merits recognition, then a new combination under *Thamnobryum alopecurum* may be required.
- [204] *Thuidium assimile* was cited in error for Algeria under the name *T. philibertii* Limpr. by Ros *et al.* (1999) and should be deleted. The original report was of *Thuidium recognitum* (Hedw.) Lindb.
- [205] *Tortella inclinata* var. *brachypoda* (Besch.) Paris was described from Algeria as *Barbula inclinata* var. *brachypoda* Besch. but its identity has not been revised since.
- [206] *Tortella nitida* var. *media* (Boulay) Corb. was described from France as *Trichostomum flavovirens* var. *medium* Boulay (= *Trichostomum nitidum* var. *medium* (Boulay) Zodda), and later reported from Algeria and Sicily. *Tortella nitida* var. *obtusum* (Boulay) Jelenc was described from France as *Trichostomum flavovirens* var. *obtusum* Boulay (= *Trichostomum nitidum* var. *obtusum* (Boulay) Zodda) and later reported from Libya, Morocco, Sicily and Tunisia. *Tortella nitida* var. *subtortuosa* (Boulay) Jelenc was described from France as *Trichostomum flavovirens* var. *subtortuosum* Boulay (= *Trichostomum nitidum* var. *subtortuosum* (Boulay) Zodda) and later reported from Algeria and Sicily. *Tortella nitida* var. *irrigata* (H. Winter) R.H. Zander was described from the Canary Islands as *Trichostomum nitidum* var. *irrigatum* H. Winter and later reported from Madeira. The identities of these four taxa have not been revised since.
- [207] *Pottia truncata* var. *archidioides* (Besch.) Paris was described from Algeria as *Pottia truncata* f. *archidioides* Besch. but its identity has not been revised since. *Pottia truncata* var. *subcylindrica* Bruch & Schimp. was reported from France and Sardinia. If they merit recognition, then new combinations under *Tortula truncata* may be required.
- [208] *Zygodon viridissimus* var. *vulgaris* f. *mediterranea* Malta was cited for Algeria by Jelenc (1967) but, as stated in Ros *et al.* (1999), the combination of these two infraspecific taxa does not appear in Index Muscorum or any other Index or nomenclatural work. This name seems to be not appropriate because *Zygodon viridissimus* var. *vulgaris* Malta is an illegitimate name for *Zygodon rupestris* Schimp. ex Lorentz and *Zygodon viridissimus* fo. *mediterraneus* Malta is a taxon related to *Zygodon viridissimus* (Dicks.) Brid.
- [209] The identity of several invalid names published from Egypt is unknown: *Barbula sickenbergeri* Müll. Hal. nom. nud., *Bartramia nilotica* Müll. Hal. nom. nud., *Bryum glauculum* Müll. Hal. nom. nud., *Entosthodon schweinfurthii* Müll. Hal. nom. nud., *Gymnostomiella laevis* J. Froehl. nom. nud., *Hyophila laxitexta* J. Froehl. nom. nud., *Hypnum klunzingeri* Müll. Hal. nom. nud. and *Philonotula nilotica* Müll. Hal. nom. nud.
- [210] *Brachymenium* cf. *angustirete* Ochi and *B.* cf. *longicolle* Thér. were reported from Egypt by El-Saadawi *et al.* (1986a) and *B.* cf. *sikkimense* Renaud & Cardot from the same country by Frey & Kürschner (1991). *Brachymenium longicolle* Thér. is considered a synonym of *B. leptophyllum* (Müll. Hal.) A. Jaeger (O'Shea, 2006); nevertheless the identity of the specimens should be revised.
- [211] Bilewsky (1965) reported *Brachythecium plumosum* (Hedw.) Schimp. from Sinai without locality and included *Brachythecium umbilicatum* Jur. & Milde as a synonym of this species. At present both species are accepted taxonomically, but only *Brachythecium umbilicatum* has been reported from Egypt, by Geheeb (1904). Therefore the presence of *Sciuro-hypnum plumosum* (= *B. plumosum*) in Egypt is doubtful.
- [212] *Bryum* cf. *gedeanum* Bosch & Sande Lac. was reported from Egypt by El-Saadawi *et al.* (1986a, b) but the identity of the specimen should be revised.
- [213] *Bryum* cf. *apiculatum* was reported from Egypt by El-Saadawi *et al.* (1986a, b) and Abou Salama & El-Saadawi (2004).

- [214] The presence in Egypt of *Bryum ruderale* remains uncertain as it was reported from this country by Smith (2004) without reference to any locality, collection date or particular herbarium specimen.
- [215] *Bryum sauteri* was reported from Egypt by Townsend (1996) from a garden environment.
- [216] *Bryum subapiculatum* was reported from Egypt as *B. atrovirens* Vill. ex. Brid. by Imam & Ghabbour (1972) from a greenhouse and a garden. *Bryum subapiculatum* was reported from a natural habitat in Egypt by Abou Salama & El-Saadawi (2004).
- [217] *Didymodon ferrugineus* should be excluded from Egypt. It was reported from Egypt by El-Saadawi *et al.* (1999) under its synonym *D. fallax* var. *reflexus* (Brid.) R.H. Zander and by El-Saadawi *et al.* (2003), but it resulted to be a misidentification.
- [218] *Weissia rohlfsiana* Müll. Hall. was described from Egypt by Müller (1874) and later combined as *Gyroweisia rohlfsiana* (Müll Hall) Paris. Whitehouse & Crundwell (1991) studied the type and concluded that it was a synonym of *Gymnostomum viridulum*. Ros *et al.* (1999) treated *Weissia rohlfsiana* as a synonym of *Barbula indica* without indicating the literature followed. In the present work we have accepted the conclusion of Whitehouse & Crundwell (1991).
- [219] *Hennediella stanfordensis* was reported from Egypt by El-Saadawi *et al.* (1999). However in her world-wide revision of the genus *Hennediella* Cano (2008) was not aware of this specimen and excluded the species from Africa after revision of the only other known African report in Kenya.
- [220] *Hygroamblystegium varium* (Hedw.) Mönk. was reported from Egypt as *Amblystegium varium* (Hedw.) Lindb. by Imam & Ghabbour (1972) and El-Saadawi *et al.* (1987) from a greenhouse and garden environment.
- [221] *Pleuridium subulatum* (Hedw.) Rabenh. was reported from Egypt by El-Saadawi & Abou El-Kheir (1973) in a greenhouse.
- [222] *Barbula muralis* var. *obovata* Schimp. was reported from Egypt by Sickenberger (1901) but according to Cano *et al.* (2000) this name is a misprint for *Barbula muralis* var. *obcordata* Schimp. which at present is considered a synonym of *Tortula muralis*.
- [223] *Acaulon triquetrum* var. *desertorum* (Besch.) Jelenc. was described from Tunisia as *Sphaerangium triquetrum* var. *desertorum* Besch. and later studied by Cano *et al.* (2000), who confirmed that it is a distinct taxon also present in southern Spain.
- [224] According to Cros & Sérgio (2007), *Andreaea crassinervia* was erroneously reported from Spain.
- [225] According to Granzow de la Cerda (1988), *Anomodon rugelii* was erroneously reported from Spain.
- [226] According to Ros *et al.* (2007b), *Brachymenium commutatum* was erroneously reported from Spain.
- [227] In Spain *Brachytheciastrum fendleri* was erroneously considered as a synonym of *B. collinum*. Therefore the distribution of both species requires revision.
- [228] *Ptychostomum cyclophyllum* was reported from Portugal and Spain by Sérgio *et al.* (2009) from various locations. Although some material is incorrect or based on a critical sample, one specimen of Ribeira de Murtega (Baixo Alentejo, Portugal) was revised and confirmed by J. Spence, before being published as new to the Iberian Peninsula. Therefore the Portuguese report of Sérgio *et al.* (2009) at least should be considered doubtful.
According to Guerra *et al.* (2010a), also *Bryum violaceum* was erroneously reported from Spain.
- [229] According to Brugués & Ruiz (2011a), *Callicladium haldanianum* was erroneously reported from Spain.

- [230] According to Brugués & Ruiz (2011b) *Ceratodon conicus* and *C. purpureus* subsp. *stenocarpus* were erroneously reported from Spain. Also *Ditrichum pallidum* should be deleted from Spain (Brugués & Ruiz, 2011c).
- [231] According to Ederra (2006), *Cinclidotus danubicus* was erroneously reported from Spain.
- [232] According to Sérgio & Jiménez-Fernández (2003), *Didymodon soaresii* Luisier was described from Spain but it does not belong to the genus *Didymodon* and therefore should be excluded from it.
- [233] According to Guerra *et al.* (2010b) *Exsertotheca intermedia* (= *Neckera intermedia* Brid.) should be excluded from mainland Spain.
- [234] According to Brugués (2003), *Funaria microstoma* was erroneously reported from Spain.
- [235] According to Casas Sicart (1981), *Paludella squarrosa* was erroneously reported from Spain.
- [236] According to Rams *et al.* (2001), *Philonotis hastata* was erroneously reported from Spain.
- [237] According to Guerra (2010b), *Pohlia atropurpurea* was erroneously reported from Spain. In the same paper *Pohlia bolanderi* var. *seriata* A.J. Shaw was reported from mainland Spain.
- [238] According to Cano (2006b), *Pterygoneurum crossidioides* was erroneously reported from Spain.
- [239] According to Guerra & Cros (2010), *Ptychostomum demissum* was erroneously reported from Spain.
- [240] According to Casas *et al.* (1992b), *Racomitrium ericoides* was erroneously reported from Spain.
- [241] According to Fuertes *et al.* (2001) *Rhizomnium pseudopunctatum* was erroneously reported from Spain.
- [242] According to Gallego *et al.* (2002), *Syntrichia caninervis* var. *pseudodesertorum* (Vondr.) M.T. Gallego (= *S. pseudohandelii* (J. Froehl.) S. Agnew & Vondr.) was erroneously reported from Spain.
- [243] According to Soria *et al.* (2006), *Timmiella flexisetata* was erroneously reported from Spain.
- [244] No information has been found regarding the status of *Archidium alternifolium* var. *heribaudii* Renaud (from France) and *Archidium alternifolium* var. *compactum* Bott. (from Sicily).
- [245] *Bryum atrovirens* var. *marginatum* (G. Roth) Wijk & Margad. (= *B. erythrocarpum* var. *marginatum* G. Roth) has been reported from France, Greece and Sicily but its identity is unknown. If valid it is probably related to *Bryum radiculosum* or some other species of the *B. erythrocarpum* complex. Also the identities of *Bryum intermedium* subsp. *cristatum* Podp. reported from France, and *B. intermedium* subsp. *carniolicum* (Glow.) Podp. reported from Italy are unknown.
- [246] *Grimmia crassifolia* var. *cucullata* Baumgartner has been reported from France, Syria and Turkey, but Muñoz & Pando (2000) did not locate the type. Greven (2011) considers this name a synonym of *G. crassifolia* Broth. (distributed in the study area through Bulgaria and Turkey), but Muñoz (1999) did not accept this species and synonymized it with *G. tergestina* (Ignatova & Muñoz, 2005). Therefore the identity of *G. crassifolia* typical variety and var. *cucullata* are uncertain. This is also the case of *Grimmia trichophylla* var. *submutica* Boulay (= *G. trichophylla* fo. *submutica* (Boulay) Corb.) reported from France, Sicily and Tunisia. Some previous authors consider it a synonym of *G. lisae*.

- [247] According to Köckinger *et al.* (2010), records of *Oxystegus hibernicus* from France (Vosges Mts.) by Frahm (1991) and probably also by Werner (1993) are erroneous. Not only does the description of the habit of this plant by Frahm not match that of *O. hibernicus*, but also the DNA sequence of a sample collected at the same waterfall by M. Lüth proved to belong to *O. tenuirostris* var. *holtii*.
- [248] *Bryum inclinatum* var. *theriotii* (H. Philib.) Podp. *nom. inval.* (= *Bryum theriotii* H. Philib.) has been reported from France but its identity is unknown. If it represents a valid taxon, then a new combination under *Ptychostomum archangelicum* may be required.
- [249] *Rhabdoweisia fugax* var. *subintegrifolia* (Boulay) E. Lawton (= *Weissia fugax* var. *subintegrifolia* Boulay) has been reported from France.
- [250] The identity of *Schistidium apocarpum* var. *teretinervioides* Meyl. remains unknown. Blom (1996) stated that he could not study the type, and Meylan's material in LAU named var. *teretinervioides* by him belongs to *S. crassipilum* (2 specimens) and *S. brunnescens* subsp. *griseum*. According to the description in the protologue, the type material may well belong to either of these taxa. Interestingly *S. brunnescens* subsp. *griseum* has been collected at 1600 m altitude on Mt Chasseron (the type locality of *S. apocarpum* var. *teretinervioides*).
- [251] *Weissia rutilans* var. *subgymnostoma* Limpr. (= *W. mucronata* var. *subgymnostoma* (Limpr.) Dixon) and *W. rutilans* var. *hillieri* Meylan were reported from France.
- [252] Shaw (1987) cited *Brachymenium paradoxum* from Greece, but the three localities cited (all the known collections of this species) are from the Republic of Macedonia.
- [253] *Cinclidotus danubicus* was reported from Greece by Tsakiri & Babalonas (2002), but the record was based on inconclusive material (Tsakiri, *pers. comm.*).
- [254] *Fissidens asplenioides* was doubtfully reported as *Fissidens ligulatus* from Greece (Rhodes) by Düll (1995d).
- [255] *Hypnum cupressiforme* var. *subjulaceum* Molendo was doubtfully reported from Greece (Thasos) by Damm & Düll (1995).
- [256] The record of *Plagiomnium cuspidatum* from Greece in Blockeel (2001) was corrected to *P. affine* by Blockeel (2010).
- [257] *Polytrichum strictum* is listed for Greece by Düll (1995e), citing Gams (1960). However no reference to this species has been found in Gams (1960).
- [258] *Pterygoneurum lamellatum* was reported doubtfully for Greece by Düll (1995e).
- [259] The report of *Ptychostomum archangelicum* (= *Bryum inclinatum*) by Grisebach (1844) must be disregarded for Greece because it may not have been collected within Greek territory. Furthermore, it is not certain that Grisebach's report refers to the species as currently understood.
- [260] The report of *Racomitrium microcarpon* (Hedw.) Brid. in Greece by Sibthorp & Smith (1816) was based on a specimen of *Grimmia muehlenbeckii*, det. H.N. Dixon (Preston, 1984).
- [261] The report of *Schistidium rivulare* (Brid.) Podp. in Greece (Tsakiri & Babalonas, 2002) is erroneous (Tsakiri, *pers. comm.*). The earlier report by Coppey (1907) could belong to *S. rivulare* or *S. platyphyllum*.
- [262] *Sciuro-hypnum curtum* was listed for Greece by Preston (1984) as *Brachythecium curtum* (Lindb.) Limpr. and by Düll (1995e) as *Brachythecium oedipodium*, based on the record of *Hypnum rutabulum* var. *explanatum* by Bory de Saint-Vincent (1832). The type of this last name is a synonym of *Brachythecium rutabulum* (Piippo, 1983), although in practice the epithet "*explanatum*" has been in common use for the species that has been called *B. curtum* in Europe (see also annotation 85). It is impossible to know which species is meant by Bory de Saint-Vincent's report and it should be disregarded.

- [263] The name *Desmatodon pilifer* was created by Grisebach (1844) citing “*Trichostomum piliferum* Sm.”. It probably refers to *Tortula hoppeana* rather than *Stegonia latifolia*.
- [264] The report of *Syntrichia sinensis* in Greece by Haussknecht (1899) was corrected by Kramer (1980) to *S. norvegica*.
- [265] The reports of *Timmia megapolitana* from Greece (Haussknecht, 1899; Coppey, 1907) probably refer to *T. bavarica*.
- [266] *Hypnum densum* Mazzitari *nom. nud.* was mentioned for Greece but its identity is unknown. *Tortula laevifolia nom. nud.* was also listed for Greece (Rhodes) without author citation by Düll (1995b) but no other reference to this name has been found in the literature.
- [267] *Cinclidotus danubicus* is treated in the Flora of Israel (Heyn & Herrnstadt, 2004) as belonging to a broadly defined *C. riparius*, as it is difficult to define the morphological limits of the two taxa.
- [268] Heyn & Herrnstadt (2004) do not accept the presence of *Dicranella varia* in Israel, but only *Dicranella howei*, although some plants resemble *D. varia* in some characters.
- [269] Plants of *Ephemerum crassinervium* subsp. *sessile* were found growing scattered on persistent protonema mats, on compressed hardened sand in a single locality in the Sharon Plain, by Bilewsky & Nachmony (1955) as *Ephemerum sessile* var. *kushniri* Bizot.
- [270] *Philonotis seriata* should be excluded from Israel. It was published by Herrnstadt *et al.* (1982), but later corrected to *Philonotis calcarea* by Herrnstadt *et al.* (1991). Herrnstadt *et al.* (1982) also recorded *Philonotis seriata* from Mount Hermon, which lies partly in Syria and partly in Lebanon. This record is, therefore, considered doubtful pending future verification.
- [271] Two infraspecific taxa in *Tortula acaulon* have been described from Israel by Herrnstadt *et al.* (1991): *Tortula acaulon* var. *arcuata* (Herrnst. & Heyn) R.H. Zander (= *Phascum cuspidatum* var. *arcuatum* Herrnst. & Heyn, *Tortula atherodes* var. *arcuata* (Herrnst. & Heyn) R.H. Zander *nom. inval.*) and *Tortula acaulon* var. *marginata* (Herrnst. & Heyn) R.H. Zander (= *Phascum cuspidatum* var. *marginatum* Herrnst. & Heyn, *Tortula atherodes* var. *marginata* (Herrnst. & Heyn) R.H. Zander *nom. inval.*).
- [272] In the Flora of Israel all the regional plants of *Zygodon* were treated as a single species, *Z. viridissimus* (Heyn & Herrnstadt, 2004). *Zygodon rupestris* was reported from Israel as *Z. baumgartneri* by Herrnstadt *et al.* (1991) but some of the typical diagnostic characters of the latter are not present in the regional material.
- [273] According to Aleffi *et al.* (2008), the following species should be excluded from Italy: *Cyrtomnium hymenophyllum* (Bruch & Schimp.) Holmen, *Pohlia sphagnicola*, *Schistidium maritimum*, and *Schistidium strictum*. However, as the occurrence of *Schistidium strictum* in Italy, Sardinia and Sicily was based on bibliographic reports of *Schistidium gracile* (Röhl.) Limpr. and *S. apocarpum* var. *gracile* (Röhl.) Bruch & Schimp. and there are uncertainties about the correct interpretation of these names and their synonymy with *S. strictum* or *S. apocarpum* (see also annotation 83), the presence in these areas should be considered doubtful in the absence of revision of the herbarium specimens.
- [274] *Schistidium elegantulum* subsp. *wilsonii* H.H. Blom was reported from Italy in Blom (1996) based on a specimen collected by Martelli in 1903.
- [275] *Cinclidotus pachyloma* should be excluded from Syria. It was reported from this country by Salmon (1900) from Zahleh and by Bizot *et al.* (1952) from Chtaura, but both localities are at present in Lebanon. Frey & Kürschner (1991) cited it for Syria erroneously after Salmon (1900).
- [276] *Eucladium verticillatum* var. *holodontium* Schiffn. was reported by Bornmüller (1914) from Lebanon. *Eucladium verticillatum* var. *angustifolium* Jur. *nom. illeg.* was reported from Malta and Sicily.

- [277] *Palustriella commutata* var. *pseudodecipientis* (J.J. Amann) Ochyra (= *Cratoneuron commutatum* var. *pseudodecipientis* J.J. Amann) was reported without exact locality for Lebanon (Jebal Kadisha) by Bizot (1955).
- [278] *Pogonatum aloides* var. *gombaultii* P. de la Varde was described by Bizot *et al.* (1952) from Lebanon.
- [279] *Didymodon rigidulus* var. *brevifolius* Zodda *nom. illeg.* was reported from Libya and its identity has not been revised since.
- [280] *Gymnostomum calcareum* var. *obtusum* Boulay was reported from Libya and its identity has not been revised since.
- [281] *Hypnum cyrenaicum* Müll. Hal. ex E. Durand & Barratte *nom. nud.* was reported from Libya and its identity has not been revised since.
- [282] *Bryum mairei* Thér. & Trab. *nom. illeg.* was reported from Morocco and its identity has not been revised since.
- [283] *Funaria curviseta* var. *xanthocarpa* P. de la Varde was described from Morocco and later combined as *Entosthodon curvisetus* var. *xanthocarpus* (P. de la Varde) Jelenc, but its identity has not been revised since. If it merits recognition, then a new combination under *Funariella curviseta* may be required.
- [284] *Grimmia commutata* var. *maroccana* Meyl. *nom. nud.* and *G. commutata* fo. *subepilosa* Braun-Blanq. *nom. nud.* were reported from Morocco, but Muñoz & Pando (2000) could not locate the types. Therefore these names should be eliminated from the floristic lists of Northern Africa.
- [285] *Homalothecium sericeum* fo. *gracilis* Thér. ex Jelenc *nom. nud.* was reported from Morocco, but its identity has not been revised since.
- [286] *Bryum alpinum* f. *viridis* Besch. *nom. illeg.* was reported from Morocco and Tunisia, but its identity has not been revised since. If it merits recognition then a new combination under *Imbribryum alpinum* may be required. The same applies to *Bryum alpinum* f. *flagellifera* Corb. reported from Morocco.
- [287] *Oncophorus virens* fo. *compactus* Limpr. was reported from Morocco but its identity is currently unknown.
- [288] *Mniobryum carneum* f. *integrifolia* P. de la Varde ex Jelenc *nom. nud.* was reported from Morocco by Jelenc (1955) but its identity is unknown. If it merits recognition then a new combination under *Pohlia melanodon* may be required.
- [289] *Pterigynandrum filiforme* var. *propaguliferum* Dism. in Jelenc *nom. nud.* was reported from Morocco but its identity has not been revised since.
- [290] *Trichostomum crispulum* var. *algarvicum* Schimp. was described from Portugal and also reported from Morocco, but its identity has not been revised since.
- [291] *Zygodon dimorphus* Thér. ex Jelenc *nom. nud.* was reported from Morocco by Jelenc (1955), but its identity has not been revised since.
- [292] *Brachythecium albicans* var. *dumetorum* Limpr. (= *B. dumetorum* (Limpr.) G. Roth), *B. salebrosum* var. *frigidum* Renauld & Hérib. and *B. starkei* var. *coppeyi* Cardot have been reported from France. If the latter merits recognition, then a new combination under *Sciuro-hypnum starkei* may be required.
- [293] *Dicranum fuscescens* var. *longirostre* (Schwägr.) Wilson (= *Dicranum longirostre* Schwägr.) has been reported from France.
- [294] *Pterygoneurum ovatum* var. *perraldieri* (Besch.) Wijk & Margad. (= *Pottia cavifolia* var. *perraldieri* Besch., *Pterygoneurum cavifolium* var. *perraldieri* (Besch.) Paris *nom. illeg.*) was described from Algeria but its identity has not been revised since.
- [295] *Didymodon validus* Limpr. has been reported from several localities in the Alpine region of Italy and Slovenia. Kučera (2000, 2002) and Cortini Pedrotti (2001b) treated it as a variety of *D. rigidulus*, but Aleffi *et al.* (2008) did not recognise this

taxon and considered it a synonym of *D. rigidulus*. Jiménez (2006b) reinstated it and cited it in Europe from Austria, Germany and Slovakia, but he overlooked at least one locality given in the protologue from Slovenia (Gebiet von Görz, ... bei Flitsch). Nevertheless it was not included in the checklists of Hill *et al.* (2006) and Sabovljević *et al.* (2008a).

- [296] *Bryum cellulare* var. *siculum* (G. Roth) Podp. (= *B. siculum* G. Roth) has been reported from mainland Italy and Sicily but its identity remains unknown.
- [297] *Brachythecium ruderales* Bruch & Schimp. *nom. nud.* (reported from Madeira) is distinct from the American *B. ruderales* (Brid.) W.R. Buck (Hedenäs, 1992), but its taxonomic position remains to be established (Sérgio *et al.*, 2006c).
- [298] *Bryoerythrophyllum inaequalifolium* was considered uncertain for Madeira by Sérgio *et al.* (2006c). Its occurrence there was later confirmed by Luís *et al.* (2008).
- [299] According to Sérgio *et al.* (2006c), *Cheilothea chloropus* is an uncertain species for Madeira.
- [300] The presence of the following species on Madeira was not confirmed by Hedenäs (1992): *Cryphaea heteromalla*, *Ctenidium molluscum*, *Homalia trichomanoides*, *Homalothecium lutescens*, *Lescuraea mutabilis*, *Plagiothecium laetum*, *Plagiothecium succulentum*, *Rhynchostegium murale*, *Rhytidiadelphus subpinnatus*, *Sciuro-hypnum flotowianum* (treated as *Cirriphyllum reichenbachianum* (Huebener) Wijk & Margad.), *Scleropodium cespitosum*, and *Scorpiurium sendtneri*.
- [301] *Daltonia splachnoides* was considered uncertain for Madeira by Sérgio *et al.* (2006c). Its occurrence was later confirmed by Sim-Sim *et al.* (2008).
- [302] *Dicranella campylophylla* was reported from Madeira by Holmen & Rasmussen (1971) without locality, so its presence is considered dubious by Sérgio *et al.* (2006c).
- [303] *Ditrichum difficile* (Duby) M. Fleisch. (= *Ditrichum flexifolium* Hampe) should be provisionally excluded from the Mediterranean area. It has been reported from Madeira by several authors, but Sérgio *et al.* (2006c) questioned its occurrence on this island. Hill *et al.* (2006) suggest that these reports probably belong to *Ditrichum punctulatum* Mitt.
- [304] According to Sérgio *et al.* (2006c) the occurrence of *Fabronia ciliaris* in Madeira is uncertain.
- [305] According to Sérgio *et al.* (2006c), the identity of *Fissidens goesii* Luisier *nom. nud.* is difficult to assess because the type material is extremely immature; however Sérgio & Nóbrega (1985) suggested its inclusion in the synonymy of *Fissidens viridulus*.
- [306] *Fissidens bryoides* var. *giganteus* Brid. was reported from Madeira by Britten (1904) with the citation “*Fissidens bryoides* var. *gigantea* (*Fissidens serrulatus* Brid.)”. Therefore the identity of this name requires clarification.
- [307] *Funariella curviseta* was reported from Madeira by Eggers (1982). Casas *et al.* (1989) revised the material and confirmed that the species had been recorded erroneously.
- [308] *Neckera cephalonica* was reported for the first time from Madeira, Poiso, by Persson (1939b). Subsequently several authors including Düll (1985) have erroneously cited *Neckera pennata* var. *pennata* and *Neckera pennata* var. *cephalonica* for Madeira, based perhaps on the same collection. All references to *Neckera pennata* on Madeira should be assigned to *N. cephalonica*.
- [309] *Philonotis hastata* was considered doubtful for Madeira by Sérgio *et al.* (2006c), but Luís *et al.* (2010) confirmed its presence on this archipelago.
- [310] The presence of *Plagiomnium elatum* and *Plagiomnium ellipticum* in Madeira was considered uncertain by Sérgio *et al.* (2006c).
- [311] Luisier (1931) described *Webera maderensis* Dixon & Luisier based on material from Madeira, Camacha, collected by Armitage in 1909. Holmen & Rasmussen (1971)

- made a new combination in the genus *Pohlia* as *P. maderensis* (Dixon & Luisier) Holmen & Rasmussen but without reference to collector or place of collection. Previously Ade & Koppe (1942) had considered it a synonym of *P. elongata*.
- [312] According to Sérgio *et al.* (2006c) the occurrence of *Sphagnum capillifolium*, *S. rubellum*, and *S. squarrosum* on Madeira is uncertain.
- [313] *Syntrichia bogotensis* was reported from Madeira by Gallego *et al.* (2005).
- [314] *Thamnobryum angustifolium* (Holt) Nieuwl. was reported from Madeira as *Thamnum angustifolium* Holt by Luisier (1953). However, the material was revised by Sérgio (1981), who concluded that it represented a new species, *Thamnobryum fernandesii*.
- [315] *Barbula convoluta* has only been reported from Malta in the unpublished Dissertation of Borg (1993) and from the available data it must be considered doubtful.
- [316] *Bryum argenteum* var. *hirtellum* De Not. has been reported from Malta but its identity is unknown. *Bryum blindii* has been used in Malta as a modern synonym of *B. erythrocarpum* Schwägr. (Borg, 1993), which was recorded in Baur (1891). However true *B. blindii* is extremely unlikely to occur on Malta. *Bryum erythrocarpum* var. *minor* Baur has been reported from Malta, but its identity remains obscure. It may refer to *Ptychostomum rubens* and *Bryum radiculosum*, as other members of the *Bryum erythrocarpum* complex have not subsequently been recorded in Malta (Mifsud, 2012).
- [317] Gulia (1858-1859) reported *Grimmia inclinata* from Malta without details of author or locality, and without confirmation by a contemporary bryologist. Sommier & Caruana Gatto (1915) excluded it from their main checklist. Although this name is at present regarded as a synonym of *Distichium inclinatum* it is uncertain whether Gulia's report actually refers to this species. Therefore it was rejected from the Maltese bryoflora by Mifsud (2012).
- [318] *Kindbergia praelonga* and *Ptychostomum moravicum* have been found in Malta only in gardens and pot plants and are probably introduced on the island.
- [319] *Pohlia elongata* has been reported from Malta in the unpublished Dissertation of Borg (1993), but according to Mifsud (2012) the specimen was misidentified.
- [320] *Pohlia wahlenbergii* was reported from Malta as *Mniobryum wahlenbergii* (F. Weber & D. Mohr) Jenn. but it was rejected by Mifsud (2012), who re-identified the corresponding herbarium specimen as *Pohlia melanodon*.
- [321] Bottini (1907) described *Thamnum cossyrense* Bott. from Pantelleria Island (Italy) and *T. cossyrense* var. *melitense* Bott. from Malta. Sommier (1916) reported *Thamnum cossyrense* Bott. from Malta without indication of variety and referred to earlier collections by Caruana Gatto, and it is apparent that this report was not based on new records from Malta. In his taxonomic study of the two names, Mastracci (2001) reported that *T. cossyrense* is identical with *Scorpiurium sendneri* and *T. cossyrense* var. *melitense* with *Scorpiurium circinatum*. The statement of Frahm & Lüth (2008) that Mastracci (2001) synonymised both *Thamnum cossyrense* and *T. cossyrense* var. *melitense* with *Scorpiurium circinatum* is incorrect. Therefore *Scorpiurium sendneri* should be excluded from the Maltese list.
- [322] *Aschisma cuynetii* was erroneously reported from Portugal by Guerra (2006).
- [323] According to Holyoak (2010) plants intermediate between *Ephemerum crassinervium* subsp. *sessile* and *E. crassinervium* subsp. *rutheanum* have been reported from Portugal.
- [324] *Fissidens crassipes* var. *pusillus* Machado-Guim. was described from Portugal. Although she did not see the type, Bruggeman-Nannenga (1982) felt almost certain that it was either *F. minutulus* Sull. or *F. viridulus* (Sw.) Wahlenb. Sérgio & Carvalho (2003) included it in the synonymy of *F. viridulus* var. *viridulus*.

- [325] *Hygrohypnum luridum* was excluded from Portugal by Sérgio & Carvalho (2003) but it was included in a map published by Oliván *et al.* (2007). The original material reported by Henriques from Serra do Bussaco (Machado, 1932) sub *Hygrohypnum palustre* has not been found, so the report is better considered as uncertain. Moreover, Allorge (1974) does not have any information about this species from Serra do Bussaco.
- [326] *Hypopterygium tamarisci* was first reported from Portugal by Allorge (1931b). Kruijer (1997) stated that “according to Cecília Sérgio (in litt., 1996) the population of *H. muelleri* (= *H. tamarisci*) is very large and even seems to be extending”. It is still present in the Forest of Bussaco.
- [327] The following species were excluded from Portugal by Sérgio & Carvalho (2003): *Neckera cephalonica*, *Orthotrichum pumilum*, and *Tortula protobryoides*.
- [328] *Neckera menziesii* was collected in a restricted area in Trás-os-Montes by Allorge in 1931 (Allorge, 1931a; Allorge & Allorge, 1949). According to Sérgio *et al.* (2001c) it should currently be considered extinct.
- [329] According to Sérgio & Carvalho (2003) the report of *Palustriella commutata* from Portugal was only based on a distribution map (without precise a location) by Pentecost & Zhaohui (2002). Therefore its occurrence should be considered uncertain.
- [330] *Pohlia bulbifera* was reported from a few localities in Portugal (Sérgio & Carvalho, 2003) but a study of the corresponding herbarium specimens has shown that the identifications are probably erroneous. In the latest Red List for the Iberian Peninsula (Sérgio *et al.*, 2007) it is considered vanished from Portugal.
- [331] *Sphagnum centrale* was reported from Portugal by Séneca & Daniels (1994) but Séneca & Söderström (2009) excluded it from the country because the report was based on a poorly developed specimen from one old collection. The latter authors also rejected all the records of *S. contortum* from Portugal.
- [332] The following names are based on reports from Sicily without descriptions and their identity is unknown: *Barbula turgida* Sw. *nom. nud.* and *Trichostomum stroblii* Jur. *nom. nud.*
- [333] *Brachythecium trachypodium* was reported from Sicily by Zodda (1907b) sub *Brachythecium payotianum* Schimp. ex Boulay but it was subsequently excluded from the Sicilian bryoflora following a revision of the herbarium specimen (Zodda, 1913).
- [334] *Bryum salakense* Cardot was reported by Lübenau & Lübenau (1968) from the island of Vulcano, Sicily, sub *B. treubii* Broth. This Asian species was excluded from the Italian bryoflora by Cortini Pedrotti (1992).
- [335] *Bryum blindii* was reported from Sicily by Dia *et al.* (1987) but it should be excluded from the Sicilian bryoflora. This report was based on *Bryum bomanssonii* Lindb., which was reported by Zodda (1907b) and latter considered a synonym of *Ptychostomum rubens* by Crundwell & Nyholm (1964).
- [336] *Dichelyma capillaceum* was reported from Sicily by Dia *et al.* (1987) but it should be excluded from the Sicilian bryoflora since the report is based on the assumption of an incorrect transcription (*Fontinalis capillaris* L. instead of *Fontinalis capillacea* L. ex Dicks.) by Strobl (1888). The name used by Strobl is not included in any of the taxonomic reference works consulted. Furthermore, the presence of this species in Sicily is phytogeographically unlikely.
- [337] *Dicranella crispa* was reported from Sicily by Raimondo & Dia (1981) sub *Anisothecium vaginale* (Dicks. ex With.) Loeske but it was excluded from the Sicilian bryoflora by Cortini Pedrotti (1992) after the herbarium specimen revision.
- [338] Zodda (1907a) reported “*Dicranum palustre* (La Pyl.) Br. Eur.” from Sicily. Because this name has been used by different authors with different meanings, and the authors cited by Zodda do not correspond exactly with any of the published combinations, it

is not possible to know without study of the Sicilian material whether Zodda's report refers to *Dicranum palustre* Bruch & Schimp. *nom. illeg.* (= *Dicranum bonjeanii* De Not.) or to *Dicranum palustre* Bach. Pyl. *nom. illeg.* (= *Campylopus flexuosus* (Hedw.) Brid.). As Zodda wrote about the wetland habitat and boreal character of the species, and rare sporophytes, it can be interpreted that he most probably referred to *Dicranum bonjeanii* De Not.

- [339] The following names in the genus *Fissidens* in the Sicilian literature have not been found in consulted taxonomic reference works: *Fissidens bryoides* fo. *cavernicolus* Tosco, *F. minutulus* subsp. *pusillus* f. *cavernarum* Tosco, *F. incurvus* fo. *minor* Limpr., *F. pusillus* var. *fallax* Limpr. In addition the identity of *F. incurvus* subsp. *bottinii* Zodda (= *F. bryoides* var. *bottinii* (Zodda) Podp.) described from Sicily still awaits further study.
- [340] *Hyophila involuta* was reported from Sicily by Roth (1909) and Zodda (1907b) sub *Gymnostomum involutum* G. Roth *nom. illeg. later homonym* but it was excluded from the Sicilian bryoflora after a review of the herbarium specimen by Bottini (Zodda, 1909).
- [341] *Leucobryum glaucum* was reported from Sicily by Dia & Aiello (1992) from the Botanical Garden of Palermo but the species seems to be extinct in Sicily since it can no longer be found at this site (Aiello *et al.*, 2003).
- [342] *Myrnia pulvinata* was doubtfully reported from Sicily by Lo Giudice & Privitera (1987), but it was excluded from the Sicilian bryoflora after the herbarium specimen study by Cortini Pedrotti (1992).
- [343] *Pogonatum aloides* var. *aloides* × var. *minimum* Limpr. was reported from Sicily by Reimers (1956).
- [344] *Pohlia sphagnicola* was reported from Sicily by Raimondo & Dia (1981) but it was excluded from the Sicilian bryoflora after the herbarium specimen study by Cortini Pedrotti (1992).
- [345] *Rhynchostegium murale* was reported from Sicily by Zodda (1899-1900) but it was excluded from the Sicilian bryoflora after the herbarium specimen revision by Zodda (1905).
- [346] *Sciuro-hypnum plumosum* was reported from Sicily by Dia *et al.* (1987) as *Brachythecium plumosum* (Hedw.) Schimp. and later excluded from the Sicilian bryoflora by Cortini Pedrotti (2001b) because it was based on the erroneous report by Zodda (1913) of *B. rutabulum* var. *plumosum* Schimp. (= *Brachythecium rutabulum*).
- [347] *Sphagnum magellanicum* was reported from Sicily by Bottini (1919) sub *Sphagnum magellanicum* var. *laxum* Röhl but the species seems to be extinct in Sicily since it can no longer be found there (Raimondo & Dia, 1978).
- [348] *Taxiphyllum wissgrillii* was reported from Sicily by Zodda (1907b) as *Isopterygium depressum* (Brid.) Mitt. but it was excluded from the Sicilian bryoflora after a review of the herbarium specimen (Zodda, 1909).
- [349] Brown (1937) reported “*Bryum atropurpureum* W. & M.” from Syria but in brackets she equated it with *B. bicolor* Dicks. Since *B. atropurpureum* (Wahlenb.) Wahlenb. (= *Pohlia atropurpurea* (Wahlenb.) Lind.) is not known from the area around Syria it is assumed that her specimen is actually *B. dichotomum* Hedw. (= *B. bicolor* Dicks.), particularly since this species has been reported independently from Syria by Bilewsky & Nachmony (1955).
- [350] *Dicranella varia* was reported from Syria as *Anisothecium varium* (Hedw.) Mitt. with a question mark (?) by Agnew & Vondráček (1975). This single doubtful report requires verification.
- [351] *Didymodon tophaceus* should be excluded from Syria. It was reported from Syria by Juratzka & Milde (1870) as *Trichostomum tophaceum* Brid., but the locality (Beilan) is at present in Turkey. Frey & Kürschner (1991) cited it erroneously for Syria as *Barbula tophacea* (Brid.) Mitt.

- [352] *Eucladium verticillatum* should be excluded from Syria. It was reported from Syria by Bizot *et al.* (1952) in Antioch which currently belongs to Turkey, and from Kyryk Han (between Iskenderum and Aleppo) by Schiffner (1913), which is also in Turkey. It was erroneously cited for Syria by Frey & Kürschner (1991) after Bizot *et al.* (1952).
- [353] *Grimmia crinita* var. *elongata* Bruch & Schimp. was reported by Bizot *et al.* (1952) from Syria. Index Muscorum (Wijk *et al.*, 1962) stated that this is a synonym of *Grimmia capillata* De Not., but we follow Muñoz & Pando (2000) in considering the identity of the name uncertain.
- [354] Frey & Kürschner (1991) reported *Grimmia ovalis* (Hedw.) Brid. (= *G. commutata* Huebener) from Syria after Brown (1937). However, this latter author indicated the source of the specimen in brackets after the moss name as being “from Cyprus”.
- [355] *Homalothecium sericeum* should be excluded from Syria. Geheeb (1902) reported *H. sericeum* from Beirut (which currently is in Lebanon) and added that the species had already been reported from Syria at Berge Korodagh by Brotherus. However, Korodagh is at present in Turkey. Frey & Kürschner (1991) reported this species for Lebanon but not for Syria.
- [356] Lorentz (1868) described a specimen from Syria as closely approaching *Bryum atlanticum* Solms ex Lorentz, which at present is considered a synonym of *Imbribryum alpinum*. This single report requires verification.
- [357] *Imbribryum mildeanum* should be excluded from Syria. It was reported by Schiffner (1913) from Syria but the locality (Beilan at Iskenderun) is at present in Turkey. Frey & Kürschner (1991) did not report the species for Syria.
- [358] *Leptodictyum riparium* should be excluded from Syria. It was reported as *Leptodictyum trichopodium* (Schultz) Warnst. from Syria by Bizot *et al.* (1952) but the locality (Antioch) is at present in Turkey. Frey & Kürschner (1991) cited it erroneously for Syria.
- [359] *Leucodon immersus* should be excluded from Syria. It was reported from Syria by Bizot *et al.* (1952) but the locality (Amanus) is at present in Turkey. Frey & Kürschner (1991) cited it erroneously for Syria.
- [360] *Orthotrichum anomalum* should be excluded from Syria. It was reported from Syria by Juratzka & Milde (1870) from Lenkoran (in Azerbaijan) and Beilan (which is at present in Turkey). Frey & Kürschner (1991) reported this species for Turkey but not for Syria.
- [361] The occurrence in Madeira of *Dialytrichia saxicola* (Sérgio & Sim-Sim, 1984) is based on old collections.
- [362] *Pohlia wahlenbergii* was reported from Syria by Bizot *et al.* (1952) as *Mniobryum albicans* (Wahl.) Limpr., but the locality (Antioch) is at present in Turkey. It was reported also by Schiffner (1913) from Ras el Ain am Dschebel Sindschar; this mountain lies mainly in nearby Iraq but also extends across Syrian and Turkish boundaries. Frey & Kürschner (1991) cited the species for Syria after Bizot *et al.* (1952), but its presence in this country requires confirmation.
- [363] *Polytrichum commune* var. *ehrenbergii* Lorentz was reported from Syria by Lorentz (1868).
- [364] *Pterygoneurum cavifolium* var. *muticum* Schiffn. *nom. illeg.* was reported from Syria and was considered by Guerra *et al.* (1995) a synonym of *P. sampaiianum*.
- [365] *Ptychostomum capillare* was reported from Syria by El-Oqlaq *et al.* (1988) as *Bryum capillare* Hedw. Nevertheless it was not included for this country in the Conspectus of Frey & Kürschner (1991) in the *Bryum capillare* agg.

- [366] *Ptychostomum donianum* should be excluded from Syria. It was reported by Schiffner (1913) as *Bryum donianum* Grev. but the locality (Kıryk Han, between Iskenderum and Aleppo) is at present in Turkey. Frey & Kürschner (1991) reported it for Turkey but not for Syria.
- [367] *Schistidium confertum* should be excluded from Syria. It was reported from Syria as *Grimmia conferta* Funck by Juratzka & Milde (1870) from Beilan, Diarbekir, Kharput, Berytdagh and Begdagh; all these localities are at present in Turkey. The species was not reported from Syria by Frey & Kürschner (1991).
- [368] *Scorpiurium circinatum* should be excluded from Syria. It was reported from Syria by Juratzka & Milde (1870) as *Eurhynchium circinatum* (Brid.) Schimp. but the locality (Beilan) is at present in Turkey. Frey & Kürschner (1991) reported this species for Turkey but not for Syria.
- [369] The list of Syrian mosses given by Brown (1937) includes the genus *Seligeria* Bruch & Schimp. in brackets without mentioning any species.
- [370] *Trichostomum brachydontium* was reported from Syria by Nyholm (1975) and Smith (1978) without any indication of locality, but it was not subsequently reported by Smith (2004) nor by Frey & Kürschner (1991) from Syria. Its presence in Syria requires confirmation.
- [371] *Funaria dentata* var. *longifolia* Jelenc nom. nud. was reported from Tunisia but its identity has not been revised since. If it merits recognition, then a new combination under *Entosthodon muhlenbergii* may be required.
- [372] *Gymnostomum viridulum* subsp. *saharae* Pócs was described from Tunisia by Pócs (2007).
- [373] *Oxyrrhynchium hians* var. *vulgare* (Boulay) Podp. was reported from Tunisia, but its identity has not been revised since.
- [374] *Mnium punctatum* f. *brevinervium* Jelenc was described from Tunisia, but its identity has not been revised since. If it merits recognition, then a new combination under *Rhizomnium punctatum* may be required.
- [375] *Blindia acuta* var. *rupestris* (Hedw.) Korc. was reported from Turkey by Ünal (1973).
- [376] *Fissidens dubius* var. *mucronatus* (Breidl. ex Limpr.) Kartt., Hedenäs & L. Söderstr. was reported from Turkey by Çetin (1988a).
- [377] Ros *et al.* (1999) reported *Hypnum uncinulatum* from Algeria, Morocco and Tunisia on the basis of previously published records, but those from Algeria and Morocco were errors caused by a misinterpretation of the name *Hypnum cupressiforme* var. *uncinatum* Boulay, which in fact is a synonym of *Hypnum cupressiforme* var. *cupressiforme* and not of *Hypnum uncinulatum*.
- [378] *Orthotrichum rupestre* var. *kurdicum* Schiffn. was reported from Turkey by Schiffner (1913).
- [379] *Oxystegus cylindricus* var. *irriguus* (Limpr.) Podp. was reported from Turkey by Arzeni (1965). Köckinger *et al.* (2010) stated that it is very probably a synonym of *Oxystegus tenuirostris* var. *holtii* (Braithw.) A.J.E. Sm., but the type material could not be located.
- [380] *Palustriella decipiens* var. *napaeiformis* (Schiffn.) Ochyra was reported from Turkey by Schiffner (1913).
- [381] *Philonotis calcarea* var. *orthophylla* Schiffn. and *P. calcarea* var. *seriatifolia* Schiffn. were reported from Turkey by Schiffner (1896) and Schiffner (1901) respectively.
- [382] *Pogonatum* × *longisetum* (Hampe) Schimp. and *Pogonatum* × *minimum* (Crome) Molendo were reported from Turkey by Çetin (1988a) without locality.

- [383] *Polytrichum alpinum* var. *pyriforme* J. Froehl. was described from Turkey. The identity of the taxon has not been revised since. If it merits recognition, then a new combination under *Polytrichastrum alpinum* may be required.
- [384] *Pseudoleskea brachyclados* (Schwägr.) Kindb. (= *Leskea brachyclados* Schwägr., *Pseudoleskea atrovirens* var. *brachyclados* (Schwägr.) Schimp.) was listed for Turkey by Kürschner & Erdağ (2005). According to Podpěra (1954) it is a variety of *Lescuraea radicata*. Other European authors have treated it as a variety or synonym of *Lescuraea incurvata*.
Pseudoleskea incurvata var. *revoluta* (Schiffn.) Podp. was reported from Turkey by Schiffner (1896). If it merits recognition, then a new combination under *Lescuraea incurvata* may be required.
- [385] *Encalypta mutica* I. Hagen should be excluded from the Mediterranean area. It was reported from Sicily by Dia *et al.* (1987) based on previous reports of *Encalypta vulgaris* var. *mutica* Brid. and *Encalypta vulgaris* var. *obtusata* Nees & Hornsch. Hill *et al.* (2006) considered *Encalypta vulgaris* var. *mutica* Brid. a synonym of *Encalypta mutica* I. Hagen, but we have followed the treatment of Magill (2007) in the Flora of North America North of Mexico and several previous authors who considered *Encalypta vulgaris* var. *mutica* a synonym of *E. vulgaris*. Also *E. vulgaris* var. *obtusata* Nees & Hornsch. was included in the synonymy of *E. vulgaris* by Ochyra *et al.* (2003). *Encalypta mutica* was reported from Spain by Fuertes Lasala & García Gómez (1985), but it was not accepted in the revision for this country by Álvaro (2006).
Encalypta mutica is a subarctic species (Düll, 1984; Horton, 1983; Afonina & Czernyadjeva, 1998) whose presence in the Mediterranean region is unlikely.
- [386] Lara *et al.* (2004b) revised both old and recent Sicilian specimens of *Orthotrichum* and concluded that a single specimen of *Orthotrichum pulchellum* from Sicily was collected by Zodda, probably before 1932.
- [387] The occurrence in Sicily of *Philonotis caespitosa* (Villari *et al.*, 1980), *Pohlia atropurpurea* (Villari *et al.*, 1980; Zodda, 1907b) and *Sanionia uncinata* (Orlando & Raimondo, 1977) are based on old collections.
- [388] Sérgio & Stow (2013) studied the Portuguese specimens of *Bryum schleicheri* (Sérgio, 1968-1969), *Hygroamblystegium varium* var. *humile* (Sérgio *et al.*, 1984), and *Pohlia filum* (Sérgio & Casas, 2007), and concluded that the reports were erroneous, so these taxa should be excluded from the country.
- [389] *Grimmia leucophaea* var. *elongata* Machado-Guim. (= *G. laevigata* var. *elongata* (Machado-Guim.) Machado-Guim., *G. campestris* var. *elongata* (Machado-Guim.) Cout.) was described from Portugal but the identity of the taxon is still unknown. Muñoz & Pando (2000) did not study the type. If it merits recognition, then a new combination under *Grimmia laevigata* may be required.
- [390] Machado (1914) originally published plants collected in Molêdo do Minho as *Rhynchostegium hercynicum* var. *lusitanicum* Machado-Guim. & G. Roth (= *Rhynchostegium confertum* var. *lusitanicum* (Machado-Guim. & G. Roth) G. Roth) but in subsequent works he considered them to be *Rhynchostegium confertum* (Dicks.) Schimp. in a broad sense, although no formal synonymy has been yet made.
- [391] The report of *Grimmia alpestris* in Portugal by Cardoso & Sérgio (1985) is based on the material from A. Machado, collected in 1916. Also the report of *Seligeria calycina* in Portugal by Gos & Ochyra (1994) is based on an old collection (from P. and V. Allorge).
- [392] The presence of *Tortula viridifolia* in Portugal is doubtful. Some collections were considered by Sérgio & Carvalho (2003) to be *Tortula pallida* (Lindb.) R.H. Zander. Other material reported as *Pottia viridifolia* Mitt. from Minho and Douro Litoral remains to be revised.

- [393] *Bryum kunzei* and *Tortula vahliana* were cited in error in Ros *et al.* (1999) as having been reported by Rungby (1962) from Libya. Likewise *Warnstorfia fluitans* was cited in error in Ros *et al.* (1999) as having been reported by Jelenc (1955) from Morocco. Actually these species have never been reported from these countries.
- [394] Ros *et al.* (1999) inadvertently failed to include some old reports from Morocco: *Brachythecium albicans* (Emberger & Maire, 1928; Jelenc, 1955); *Campylopus pilifer* (Corbière & Pitard, 1913 sub *Campylopus polytrichoides* De Not. but considered by Jelenc (1955) a synonym of *C. introflexus*); *Sciuro-hypnum plumosum* (Jelenc, 1955), also reported from Algeria in the same paper; *Zygodon gracilis* (Corbière & Pitard, 1913 sub *Z. viridissimus* var. *saxicola* Molendo, but not compiled by Jelenc, 1955). Ros *et al.* (1999) also overlooked an old record of *Orthotrichum anomalum* from Libya given by Andreánszky (1934).
- [395] Several names in *Gymnostomum* with the epithet *stelligerum* have been used in the literature concerning the Canary Islands and France. According to the nomenclatural database Tropicos they derive from two different basionyms: *Bryum stelligerum* Dicks. ex With. (= *Gymnostomum rupestre* var. *stelligerum* (Dicks. ex With.) Hampe, *Gymnostomum stelligerum* (Dicks. ex With.) Brid. ex F. Weber & D. Mohr) and *Gymnostomum aeruginosum* fo. *stelligerum* Laz. In the European floras the nomenclature and taxonomy of the original names is very confusing, as different authors have been cited and combinations published under two different species: *Gymnostomum aeruginosum* and *Hymenostylium recurvirostrum*. Therefore it is not possible to know, from the names used in the floristic studies, which of the two species is meant.
- [396] *Ditrichum punctulatum* was collected from Pico Island by Jan-Peter Frahm (pers. comm.) in 2004. Although the record was not published, Hill *et al.* (2006) listed it for the Azores.
- [397] *Grimmia elongata* was reported from Azores by Sjögren (2001) based on herbarium material from H. Persson, collected in 1937, and *Kiaeria blyttii* was reported also from Azores by Sérgio (1976) based on herbarium material from R. T. Palhinha, collected in 1938.
- [398] *Pleuroidium subulatum* was not listed for the Azores in either Sjögren (2001) or Gabriel *et al.* (2005), but it was reported in Gabriel *et al.* (2010) based on Silveira (1937: 241) and Allorge & Allorge (1952: 57).
- [399] Dirkse & Bouman (1995) treat *Rhynchostegiella bourgaeana* as an endemic of the Canary Islands; however it has been reported from the Azores by several authors (Allorge & Allorge, 1952; Silveira, 1937).
- [400] *Sphagnum recurvum* was re-instated for Europe and Macaronesia by Séneca & Söderström (2009) arguing that the previous records were based on a wide species concept including the European taxa *S. fallax*, *S. angustifolium* and *S. flexuosum* as varieties. In addition, Dias *et al.* (2009) published a recent and reliable report on its presence from the Azores.
- [401] *Sphagnum subsecundum* was listed for the Azores by Séneca & Söderström (2009) but no previously published records seem to exist. The presence of the species in this archipelago requires confirmation.
- [402] Dalton *et al.* (2012) observed that the name *Hedwigia integrifolia* P. Beauv. had been misapplied and the specimens identified with this name correspond to a species of the genus *Braunia* (*B. imberbis*) of which *Hedwigidium imberbe* (Sm.) Bruch & Schimp. should be considered a synonym.
- [403] *Hymenostylium gracillimum* was combined in this genus by Köckinger & Kučera (2011) based on the old and neglected *Gymnostomum gracillimum* Nees & Hornsch, that has replaced the recent name *G. boreale*. According to these authors it has been doubtfully recorded for Italy and France. There exists also a record in Sicily under the synonym *Gymnostomum viridulum* var. *gracile* Breidl. ex G. Roth by Zodda (1907b) whose identity is uncertain. Therefore the presence of this species in the Mediterranean should still be confirmed.

- [404] Muñoz (1998) did not accept *Grimmia sessitana* De Not. and considered it together with its synonyms (*G. alpestris* var. *sessitana* (De Not.) I. Hagen, *G. anceps* Boulay, *G. sessitana* var. *subsulcata* Limpr., *G. subcaespiticia* Schiffn., *Grimmia subsulcata* Limpr., and *Grimmia tenerrima* Renauld & Cardot) within the concept of *G. reflexidens* Müll. Hal. This criterion was adopted in Hill *et al.* (2006) and also in this checklist, although Greven (2011) considers *G. sessitana* a distinct species that is present throughout the study area in Andorra, Bulgaria, Corsica, Italy, Sardinia, and Spain.
- [405] The proposal of Ochyra *et al.* (2003) of segregating the *Campylium hispidulum* complex (represented in the Mediterranean region by *C. calcareum* and *C. sommerfeltii*) from the genus *Campylophyllum* (Hypnaceae) (represented in the Mediterranean by *C. halleri*) and including the species of the mentioned complex in the genus *Campylidium* (Amblystegiaceae) has received molecular support in the studies of Gardiner *et al.* (2005) and Ignatov *et al.* (2007). Therefore this treatment is here followed.
- [406] *Didymodon verbanus* (W.E. Nicholson & Dixon) Loeske (= *Eucladium verbanum* W.E. Nicholson & Dixon), known in the studied area from northern Italy, was treated by Jiménez (2006b) as a synonym of *D. glaucus*. This criterion was followed in Hill *et al.* (2006) and also here, although Kučera (2000) considered it a different species.
- [407] All occurrences of the epithet “*durieui*”, and combinations based on, need to be changed to “*duriaei*”, because this is the original spelling and it does not seem to be an orthographic error that would have been corrected in the sense of Art. 60.1 and 60.3 of ICBN.
- [408] The molecular studies of Gardiner *et al.* (2005) and Ignatov *et al.* (2007) on Leskeaceae *s.l.*, suggest that the genera *Pseudoleskea* and *Ptychodium*, that are sometimes separated from *Lescuraea* should be placed within the latter genus and excluded from Leskeaceae. Of the species present in the Mediterranean, only *Pseudoleskea artariae* (= *Pseudoleskeopsis artariae* (Thér.) Thér.) has not been studied at molecular level, therefore its generic assignment is still uncertain and it has been maintained in this paper in *Pseudoleskea* as Hill *et al.* (2006) proposed.
- [409] According to Vanderpoorten *et al.* (2003) *Leucobrym albidum* and *L. juniperoideum* should be treated as synonyms, although this was not followed by Hill *et al.* (2006).
- [410] Bell & Hyvönen (2010) observed in a phylogenetic study that the species of *Polytrichastrum* sect. *Aporotheca* (represented in the Mediterranean area by *P. formosum*, *P. longisetum* and *P. pallidisetum*) should be reinstated in *Polytrichum*.
- [411] According to a molecular and morphological study carried out by Hedenäs & Rosborg (2008), the *Pseudocalliergon* species should be moved to *Drepanocladus*.
- [412] Hedenäs (2006) transferred the dioicous species of *Warnstorfia* (represented in the Mediterranean by *W. exannulata* and *W. sarmentosa*) to *Sarmentypnum* based on the results of that paper and those previously published by Hedenäs *et al.* (2005).
- [413] *Anoetangium angustifolium* Mitt. (= *Anoetangium compactum* var. *madeirense* Geh., *Anoetangium madeirense* Schimp. *nom. inval. in synon.*) reported from the Azores, Canary Islands, France, and Madeira was synonymized with *A. aestivum* by Dirkse *et al.* (1993) based on the overlapping observed between both species. Nevertheless, recent unpublished molecular data support the distinction of both species (Kučera, pers. comm.).
- [414] *Barbula bescherellei* Sauerb. was reported from Egypt in the unpublished Master of Science Thesis of Mansi (1988) and compiled by El-Saadawi *et al.* (1999). As this taxon was described from America, its occurrence in Egypt is unlikely. It was synonymized with *Didymodon rigidulus* by Zander (1981), but the concept of this author at that time was extremely broad and does not correspond with the present one.

- [415] *Grimmia limprichtii* Kern was considered by Muñoz & Pando (2000) a synonym of *Grimmia anodon* Bruch & Schimp. and this has been the criterion followed here, although Maier & Geissler (1995) and Greven (2009b) synonymized it with *G. tergestina*.
- [416] According to Greven (2011) *Grimmia crinitoleucophaea* Cardot should be the correct name for *G. poecilostoma* Cardot & Sebille ex Limpr. The proposal of Muñoz (2000) to conserve the last one was rejected by Zijlstra (2002), as this name seems to be superfluous and invalid.
- [417] The European endemic *Grimmia pilosissima* Herzog was considered a synonym of *Grimmia montana* by Muñoz & Pando (2000) and this has been the criterion followed here. However, Greven (1994b) considered it a distinct species. Maier (2010) considered *G. ungeri* to be a synonym of *G. montana*, but the two taxa are treated here separately.
- [418] *Tortula densa* (Velen.) J.-P. Frahm was considered by Hill *et al.* (2006) to be a synonym of *Syntrichia calcicola*, although Kramer (1980) had a different opinion and synonymized it with *S. ruralis* s.s.
- [419] *Amblystegium serpens* was reported from Crete (as *A. juratzkanum*) by Baumgartner (1943). The later record of *A. juratzkanum* in Düll (1966) is regarded as unconfirmed (“unbestätigt”) by Düll (1979).
- [420] *Schistidium helveticum* is reported from Crete as *S. singarense* without an indication of date by Blom (1996), based on a specimen collected by K. Rechinger, probably in 1942. *Schistidium brunnescens* subsp. *brunnescens* is reported from Greece by Blom (1996), based on a specimen collected by C. Haussknecht in 1885.
- [421] *Pleuridium acuminatum* is reported from Cyprus by Townsend (1965), based on a specimen collected in 1957. *Ptychostomum pseudotriquetrum* var. *bimum* was reported from Cyprus also by Townsend (1965), based on a specimen collected by E.W. Kennedy in 1937 and reported by Taylor (1952) as *B. obconicum*.
- [422] The occurrence in Spain of *Cleistocarpidium palustre* (Simó, 1977), is based an old collection of Durieui de Maisonneuve.
- [423] *Brachythecium velutinum* var. *athoum* Podp. was described from Greece but its identity has not been revised since. If it merits recognition, then a new combination in the genus *Brachytheciastrum* Ignatov & Huttunen may be required.
- [424] *Bryum capillare* var. *cavifolium* Breidl. was described from Greece but its identity has not been revised since. If it merits recognition, then a new combination in the genus *Ptychostomum* Hornsch. may be required.
- [425] *Funaria mediterranea* var. *sinistra* Schiffn. was described from Greece but its identity has not been revised since. If it merits recognition, then a new combination in the genus *Entosthodon* Schwägr. may be required.

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REFERENCES

- ABAY G. & ÇETIN B., 2003 — The moss flora (Musci) of Ilgaz Mountain National Park. *Turkish Journal of botany* 27: 321-332.
- ABAY G., UYAR G., ÇETIN B. & KEÇELI T., 2007 — *Bucklandiella microcarpa* (Hedw.) Bednarek-Ochyra & Ochyra (Grimmiaceae, Bryopsida), new to the moss flora of Turkey and South-West Asia. *Cryptogamie, Bryologie* 28: 145-148.
- ABAY G., UYAR G., KEÇELI T. & ÇETIN B., 2009 — *Sphagnum centrale* and other remarkable bryophyte records from the Kaçkar Mountains (Northern Turkey). *Cryptogamie, Bryologie* 30: 399-407.
- ABOU SALAMA U.Y., 2001 — The moss flora of Gebel St. Katherine (Sinai) with nine new records. *Taekholmia* 21: 81-90.
- ABOU SALAMA U.Y. & ABRAMOW I.I., 2001a — A contribution to the moss flora of the Isthmic Desert, Egypt. *Journal of bryology* 23: 146-148.
- ABOU SALAMA U.Y. & EL-SAADAWI W.E., 2001b — Contributions to the moss flora of the Egyptian Oases.1. Farafra Oasis. *Taekholmia* 21: 283-290.
- ABOU SALAMA U.Y. & EL-SAADAWI W.E., 2004 — Mosses of the Egyptian Oases Dakhla and Kharga. *Lindbergia* 28: 100-104.
- ABRAMOVA A.L. & ABRAMOV I.I., 1979 — Materialy k flore mkhov Turtsii – Materies ad bryoflora Turciae. *Novosti sistematiki nizshikh rastenij* 16: 161-163.
- ADE A. & RECHINGER K.H., 1938 — Samothrake. *Repertorium specierum novarum regni vegetabilis, Beihefte Band C* 100: 106-146.
- ADE A. & KOPPE F., 1942 — Beitrag zur Kenntnis der Moosflora der atlantischen Inseln und der pyrenäischen Halbinsel. *Hedwigia* 81: 1-36.
- ADE A. & KOPPE F., 1955 — Moose aus dem Balkan, aus Südtalien und von den Ägäischen Inseln. *Acta musei Macedonici scientiarum naturalium* 2: 181-197.
- AFONINA O.M. & CZERNYADJEVA I.V., 1998 — New records of *Encalypta mutica* Hag. (Encalyptaceae, Musci) in Russia. *Lindbergia* 23: 107-109.
- AGNEW S. & VONDRÁČEK M., 1975 — A Moss Flora of Iraq. *Feddes Repertorium* 86: 341-489.
- AHAYOUN K., OUAZZANI TOUHAMI A., FENNANE M. & DOUIRA, A., 2007 — Inventaire des bryophytes de l'herbier "RAB" de l'institut Scientifique (Rabat, Maroc). *Documents de l'institut scientifique, Rabat* 21: 71-89
- AIGOIN D.A., HUTTUNEN S., IGNATOV M.S. DIRKSE G.M. & VANDERPOORTEN, A., 2009 — *Rhynchostegiella* (Brachytheciaceae): molecular re-circumscription of a convenient taxonomic repository. *Journal of bryology* 31: 213-221.
- AIELLO P., CAMPISI P. & PROVENZANO F., 2003 — Diversità briofitica nell'Orto Botanico di Palermo. *Quaderni di botanica ambientale e applicata* 14: 203-210.
- AIELLO P. & DIA M.G., 2004 — Contributo alla briologia dei Monti Sicani (Sicilia occidentale). *Braun-Blanquetia* 34: 29-43.
- ALEFFI M., COGONI A. & CORTINI PEDROTTI C., 1995 — Contributo alla flora briologica del Massiccio del Gennargentu, territorio di Arzana (Sardegna centro-orientale). *Informatore botanico Italiano* 27 (2-3): 201-218.
- ALEFFI M., SABOVLJEVIĆ M. & TACCHI R., 2004a — Bryoflora of the Monte Conero Regional Park (Marche, Central Italy). *Flora Mediterranea* 14: 347-355.
- ALEFFI M., SABOVLJEVIĆ M. & TACCHI R., 2004b — *Gymnostomum lanceolatum* M.J., Cano, Ros & J. Guerra (Pottiaceae, Musci), new to Italy. *Cryptogamie, Bryologie* 25 (2): 175-177.
- ALEFFI M., TACCHI R. & CORTINI PEDROTTI C., 2008 — Check-list of Hornworts, Liverworts and Mosses of Italy. *Bocconeia* 22: 5-254.
- ALEFFI M., RICCI S. & TACCHI R., 2010 — *Hypopterygium tamarisci* (Sw.) Brid. ex Müll. Hal. (Hypopterygiaceae, Bryopsida), new to Italy. *Cryptogamie, Bryologie* 31 (3): 293-295.
- ALI M., 2004 — *Fontinalis hypnoides* C.J. Hartm. new to Egypt. *Lindbergia* 29: 108-109.
- ALLORGE P., 1928 — Notes sur la flore bryologique de la Péninsule Ibérique. III. Quelques Muscinées nouvelles pour le Portugal. *Revue bryologique* nouv. sér. 1: 203-204.
- ALLORGE P., 1931a — Notes sur la flore bryologique de la Péninsule Ibérique. VIII. Additions à la flore portugaise. *Revue bryologique* nouv. sér. 4: 32-36.
- ALLORGE P., 1931b — *Schedae ad Bryothecam ibericam* 3^e sér. N° 101-150: 1-26.
- ALLORGE P., 1935 — Notes sur la flore bryologique de la Péninsule Ibérique. IX. Muscinées des provinces du Nord et du Centre de l'Espagne. *Revue bryologique et lichénologique* 7: 249-301.
- ALLORGE P., 1937 — *Schedae ad Bryothecam Ibericam*. 5^e sér. N° 201-250. Espagne. Paris.
- ALLORGE P. & ALLORGE V., 1946 — Les étages de la végétation muscinale aux îles Açores et leurs éléments. *Mémoires de la société de biogéographie* 8: 369-386.

- ALLORGE P. & ALLORGE V., 1949 — Végétation aux environs de Bragança. *Portugaliae acta biologica, sér. B*, vol. J. Henriques: 63-86.
- ALLORGE P. & ALLORGE V., 1952 — Mousses récoltées par P. et V. Allorge aux îles Açores en 1937. *Revue bryologique et lichénologique* 21: 50-95.
- ALLORGE V. & ALLORGE P., 1948 — Végétation bryologique de l'île de Flores (Açores). *Revue bryologique et lichénologique* 17: 126-164.
- ALLORGE V., 1974 — La Bryoflore de la Forêt de Bussaco (Portugal). *Revue bryologique et lichénologique* 40: 307-452.
- ALLORGE V. & CASAS DE PUIG C., 1976 — Contribución al estudio de la flora briológica catalana. III. Briófitos del Valle de Núria. *Collectanea botanica* 10: 13-28.
- ÁLVARO I., 2006 — Encalyptaceae Schimp. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 273-283.
- AMANN J.J., 1924 — Contribution à la Bryologie du Maroc. *Revue bryologique* 10: 57-58.
- ANDREÁNSZKY G., 1934 — Plantae in Africa boreali lectae. 1. *Index horti botanici universitatis Budapestinensis* 2: 80-82.
- ARRIGONI P.V., 1986 — Contributo alla conoscenza della vegetazione del Monte Gennargentu in Sardegna. *Bollettino della società Sarda di scienze naturali* 25: 63-96.
- ARTS T., CRUNDWELL A.C. & WHITEHOUSE H.L.K., 1995 — *Bryum valpairesense* Thèr. an earlier name for *B. pyriferum* Crundw. & Whiteh. *Journal of bryology* 18: 797-801.
- ARTS T. & NORDHORN-RICHTER G., 1986 — *Epipterygium tozeri* in Europe, its distribution and vegetative propagation. *Journal of bryology* 14: 91-97.
- ARTS T., 2001 — A revision of the Splachnobryaceae (Musci). *Lindbergia* 26: 77-96.
- ARZENI C.B., 1965 — Bryophytes of the cedar groves of Lebanon. *The bryologist* 68: 109-113.
- ASSOCIATION TELA BOTANICA, 2012 — Bryophytes d'Europe (http://www.tela-botanica.org/page:bryophytes_europe?langue=fr). Accessed the 03/04/2012.
- ATHANASIADIS N., 1977 — *Sphagnum contortum* Schultz, *Sph. subsecundum* Nees, *Sph. palustre* L. and *Sph. squarrosum* Pers. (Cr.) vier neue Arten für die griechische Flora. *Scientific annals of the faculty of agriculture and forestry, Aristotelian university of Thessaloniki* 10: 263-281. [in Greek]
- BADAWI A., EL-SAADAWI W. & SHABBARA H.M., 1987 — On the mosses of El-Fayum region, Egypt. *Ain Shams science bulletin* 26B: 357-372.
- BARBEY W., 1884 — *Florae Sardoae Compendium. Catalogue raisonné des végétaux observés dans l'île de Sardaigne*. Losanna.
- BATAN N. & ÖZDEMİR T., 2008 — Contributions to the moss flora of Artvin region (Hatila Valley National Park – Turkey). *Pakistan journal of biological sciences* 11: 1676-1682.
- BATES J.W. & HODGETTS N.G., 1995 — New an interesting bryophyte records from Brittany including *Cryptothallus mirabilis*, *Ulota calvescens* and *Weissia perssonii* new to France. *Cryptogamie, Bryologie-Lichénologie* 16(3): 191-211.
- BAUMGARTNER J., 1943 — Bryophyta. In: Rechinger K.H., *Neue Beiträge zur Flora von Kreta. Akademie der Wissenschaften in Wien. Mathematisch-Naturwissenschaftliche Klasse. Denkschriften* 105(2), pp. 48-58.
- BAUR W., 1891 — Beiträge zur Laubmoosflora der Insel Malta. *Hedwigia* 30: 217-219.
- BELL N.E. & HYVÖNEN J., 2010 — A phylogenetic circumscription of *Polytrichastrum* (Polytrichaceae): reassessment of sporophyte morphology supports molecular phylogeny. *American journal of botany* 97(4): 566-578.
- BERGMEIER E., 2011 — New floristic records, confirmations and other phytogeographical notes from Crete (Greece). *Willdenowia* 41: 167-177.
- BERGMEIER E., BLOCHEEL T., BÖHLING N., FOURNARAKI C., GOTSIOU P., JAHN R., LANSDOWN R., TURLAND N., 2011 — An inventory of the vascular plants and bryophytes of Gavdopoula island (S Aegean, Greece) and its phytogeographical significance. *Willdenowia* 41: 179-190.
- BERTA A. & CHIAPPINI M., 1978 — Primo contributo alla conoscenza speleobiologica vegetale della Sardegna. *Morisia* 4: 3-27.
- BERTOLONI A., 1858-1862 — *Flora Italica Cryptogama*. Pars 1. Bologna.
- BESCHERELLE E., 1882 — *Catalogue des mousses observées en Algérie*. Alger, Adolphe Jourdan, Libraire-éditeur.
- BESCHERELLE E., 1897 — Musci. In: *Catalogue raisonné des plantes cellulaires de la Tunisie*. Paris, Imprimerie Nationale.
- BILEWSKY F. & NACHMONY S., 1955 — A contribution to the bryophyte flora of Palestine. *Bulletin of the research council of Israel, Section D* 5: 47-58.
- BILEWSKY F., 1961 — A contribution to the bryophytic flora of Cyprus. *Revue bryologique et lichénologique* 30: 267-273.
- BILEWSKY F., 1965 — Moss flora of Israel. *Nova Hedwigia* 9: 335-434.

- BILEWSKY F., 1970 — Some recent bryological records for Israel. *Revue bryologique et lichénologique* 37: 963-965.
- BILEWSKY F., 1974 — Some notes on the distribution of mosses in Israel and Palestine. *Revue bryologique et lichénologique* 40: 245-261.
- BIZOT M., 1931 — Contribution à la flore bryologique de Tunisie. *Bulletin de la société botanique de France* 78: 724-726.
- BIZOT M., 1942 — Contribution à la flore bryologique du Liban. *Revue bryologique et lichénologique* 13: 49-53.
- BIZOT M. & POTIER DE LA VARDE R., 1952 — Sur l'existence du genre *Vesicularia* en Afrique du Nord. *Revue bryologique et lichénologique* 21: 226-228.
- BIZOT M., GAUME R. & POTIER DE LA VARDE R., 1952 — Une poignée des mousses libanaises. *Revue bryologique et lichénologique* 21: 11-13.
- BIZOT M., 1955 — Contribution à la flore bryologique d'Asie Mineure et de l'Île de Chypre. *Revue bryologique et lichénologique* 24: 69-72.
- BIZOT M. & FRAUX A., 1962 — Florule bryologique des Monts Albains (Rome). Travail posthume de A. Lachmann. *Revue bryologique et lichénologique* 31: 78-89.
- BIZOT M., 1973 — Mouses africaines récoltées par M. Dénes Balázs. *Acta botanica academiae scientiarum Hungaricae* 18: 7-28.
- BLOCKEEL T.L. & CRUNDWELL A.C., 1987 — New bryophyte records from the Balearic Islands. *Journal of bryology* 14: 519-522.
- BLOCKEEL T.L., 1991 — The bryophytes of Greece: new records and observations. *Journal of bryology* 16: 629-640.
- BLOCKEEL T.L., 1995 — Some bryophytes from southern Italy, including new records of *Tortula bolanderi* and *Aschisma carniolicum*. *Cryptogamie, Bryologie-Lichénologie* 16: 105-110.
- BLOCKEEL T.L., HEDENÄS L., LONG D.G. & PORLEY R.D., 1999a — New national and regional bryophyte records, 1. *Journal of bryology* 21: 161-162.
- BLOCKEEL T.L., PORLEY R. & ROTHERO G., 1999b — Summer field meeting, Italian Alps, 1997. *Bulletin of the British bryological society* 72: 17-24.
- BLOCKEEL T.L., 2001 — Winter on a Greek island: The Bryophytes of Evvia. *Bulletin of the British bryological society* 76: 26-28.
- BLOCKEEL T., 2002 — Proceedings of the British Bryological Society: British Bryological Society meeting on Tenerife, Canary Islands, February 2001. *Bulletin of the British bryological society* 78: 3-11.
- BLOCKEEL T., DUCKETT J.G., FERNÁNDEZ-ORDÓNEZ M.C., HÉBRARD J.P., MATCHAM H.W., PORLEY R.D., OCHYRA R., BEDNAREK-OCHYRA H., SOLDÁN Z. & TOWNSEND C.C., 2002a — New national and regional bryophyte records, 5. *Journal of bryology* 24 (1): 88-91.
- BLOCKEEL T.L., ROS R.M., SABOVLJEVIĆ M., CANO M.J., GALLEGO M.T. & MUÑOZ J., 2002b — New and interesting bryophyte records for Greece. *Cryptogamie, Bryologie* 23: 149-155.
- BLOCKEEL T.L., 2003 — New records of bryophytes from Cyprus. *Bocconea* 16: 105-113.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., CZERNYADJEVA I.V., DRAPER I., FUDALI E., KUČERA J., LONG D.G., ROS R.M., OCHYRA R., SCHUMACKER R., SMITH V.R., SOLLMAN P., SOTIAUX A., THINGSGAARD K. & ZMRHALOVÁ M., 2003 — New national and regional bryophyte records, 8. *Journal of bryology* 25 (3): 217-221.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., ČETIN B., KEÇELI T., LARA F., MAZIMPAKA V., POKORNY L., MATTERI C.M., O'SHEA B.J., SCHIAVONE M.M., ȘTEFĂNUȚ S. & UYAR G., 2004 — New national and regional bryophyte records, 9. *Journal of bryology* 26 (1): 63-66.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., GARCIA C., MATCHAM H.W., SÉRGIO C., SIM-SIM M., STEBEL A., TOWNSEND C.C. & VAŇA J., 2005 — New national and regional bryophyte records, 11. *Journal of bryology* 27 (2): 163-168.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., HÁJKOVÁ P., HÁJEK M., KUČERA J., KÜRSCHNER H., MÜLLER F., OLIVÁN G., PAROLLY G., PORLEY R.D., RAMS S., SĚNECA A., SÉRGIO C., TOWNSEND C.C., TYSHCHENKO O. & VIEIRA C., 2006a — New national and regional bryophyte records, 13. *Journal of bryology* 28 (2): 151-155.
- BLOCKEEL T.L., ENROTH J., ERTZ D., HEDDERSON T.A.J., HOLZ I., JAFARI M., KÜRSCHNER H., LARA F., MAZIMPAKA V., MEDINA R., RAMEL G., SCHÄFER-VERWIMP A., SHIRZADIAN S., SOTIAUX A., SOTIAUX O., STEBEL A. & TAVILI A., 2006b — New national and regional bryophyte records, 14. *Journal of bryology* 28 (3): 271-275.
- BLOCKEEL T.L., 2007 — Notes on some rare and newly recorded bryophytes from Crete, Greece. *Journal of bryology* 29 (3): 197-198.

- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., DÜZENLİ A., ERDAĞ A., ERZBERGER P., EZER T., HESPAÑHOL H., KARA R., MATTERI C.M., MÜLLER F., SÉNECA A., SÉRGIO C. & VÁÑA J., 2007a — New national and regional bryophyte records, 15. *Journal of bryology* 29 (2): 139-142.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., GARILLETI R., GLIME, J.M., LARA, F., MAZIMPAKA V., RUSIŃSKA A., SCHÄFER-VERWIMP A., SHABBARA H.M., SÖDERSTRÖM L., STEBEL A., TOWNSEND C.C., VÁÑA J., TONGUÇ YAYINTAŞ Ö. & ŻARNOWIEC J., 2007b — New national and regional bryophyte records, 17. *Journal of bryology* 29 (4): 277-283.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., DUCKETT J.G., ERZBERGER P., HEDENÄS L., HUGONNOT V., MAIER E., MARKOVÁ I., MATCHAM H.W., PLÁŠEK V., PÓCS T., SEPPELT R.D., SZÜCS P., THOUVENOT L. & VAN ZANTEN B.O., 2008a — New national and regional bryophyte records, 18. *Journal of bryology* 30 (2): 161-167.
- BLOCKEEL T.L., ABAY G., BAKALIN V.A., BEDNAREK-OCHYRA H., OCHYRA R., ÇETIN B., CYKOWSKA B., FUERTES E., HESPAÑHOL H., HOLYOAK D.T., HRADÍLEK Z., KEÇELI T., KÜRSCHNER H., LARRAÍN J., LONG D.G., PAROLLY G., PIĄTEK J., PIĄTEK M., RAMS S., ROS R.M., SÉNECA A., SÉRGIO C., SOLDÁN Z., ŞTEFANUŢ S., UYAR G., VÁÑA J. & TONGUÇ YAYINTAŞ Ö., 2008b — New national and regional bryophyte records, 19. *Journal of bryology* 30 (3): 231-237.
- BLOCKEEL T.L., BAKALIN V.A., BEDNAREK-OCHYRA H., OCHYRA R., BUCK W.R., CHOI S., CYKOWSKA B., ERDAĞ A., ERZBERGER P., KIRMACI M., KÜRSCHNER H., LÉBOUVIER M., PAPP B., SABOVLJEVIĆ M., ŞABOVLJEVIĆ A., SCHRÖDER W., SINGH S.M., SUN B.-Y., TOWNSEND C.C., VÁÑA J. & TONGUÇ YAYINTAŞ Ö., 2009a — New national and regional bryophyte records, 20. *Journal of bryology* 31 (1): 54-62.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., OCHYRA R., CYKOWSKA B., ESQUIVEL M.G., LÉBOUVIER M., LUÍS L., MARTINS S., MULLER F., NÉMETH C., PAPP B., PLÁŠEK V., PÓCS T., SABOVLJEVIĆ M., SÉRGIO C., SIM-SIM M., STECH M., VÁÑA J. & TONGUÇ YAYINTAŞ Ö., 2009b — New national and regional bryophyte records, 21. *Journal of bryology* 31 (2): 132-139.
- BLOCKEEL T.L., PASSOS BASTOS C.J., BEDNAREK-OCHYRA H., OCHYRA R., DULIN M.V., FOVET L., GARCIA C., HEDENÄS L., HUGONNOT V., KIRMACI M., KOPONEN T., LÉBOUVIER M., MARTINS A., MÜLLER F., SABOVLJEVIĆ M., LAKUŠIĆ D., SCHÄFER-VERWIMP A., SÉRGIO C., SURINA B. & TONGUÇ YAYINTAŞ Ö., 2009c — New national and regional bryophyte records, 22. *Journal of bryology* 31 (3): 201-210.
- BLOCKEEL T.L., 2010 — The bryophytes of Greece: new records and observations, 2. *Nova Hedwigia, Beiheft* 138: 129-146.
- BLOCKEEL T.L., BEDNAREK-OCHYRA H., CYKOWSKA B., OCHYRA R., DÜZENLİ A., EZER T., HOLYOAK D.T., HUGONNOT V., KARA R., LARRAÍN J., LÉBOUVIER M., PRESTON C.D., SCHÄFER-VERWIMP A., SMITH V.R., SPITALE D., ŞTEFANUŢ S. & VÁÑA J., 2010 — New national and regional bryophyte records, 23. *Journal of bryology* 32 (2): 140-147.
- BLOM H.H., 1996 — A revision of the *Schistidium apocarpum* complex in Norway and Sweden. *Bryophytorum bibliotheca* 49: 1-133.
- BLOM H.H. & LÜTH M., 2002 — *Schistidium spinosum*, a new species from Europe and its relationship to *S. liliputanum*. *Lindbergia* 27: 122-126.
- BORG G., 1993 — *The Bryoflora of the Maltese Islands*. Dissertation. Msida, University of Malta.
- BORNMÜLLER J., 1914 — Zur Flora des Libanon und Antilibanon. *Beihefte zum botanischen Centralblatt, Abteilung 2*, 31: 177-280.
- BORY DE SAINT-VINCENT J.B.G.M., 1832 — Musci. In: Fauché J-B., Brongniart A.T., Chaubard L.A. & Bory de Saint-Vincent J.B.G.M., *Expédition scientifique de Morée, Section des Sciences Physiques 3 (2) Botanique*, pp. 291-296.
- BOTTINI A., 1890 — Appunti di briologia italiana. *Nuovo giornale botanico Italiano* 22: 259-266.
- BOTTINI A., 1907 — Sulla briologia delle isole italiane. *Webbia* 2: 345-402.
- BOTTINI A., 1913 — Spigolature briologiche N. 2. *Atti della società Toscana di scienze naturali di Pisa, Memorie* 29: 149-195.
- BOTTINI A., 1914 — Muschi di Libia. *Bollettino di studi ed informazioni R. Giardino Coloniale. Palermo* 1: 1-7.
- BOTTINI A., 1919 — Sfnagnologia italiana. *Memorie della reale accademia dei Lincei. Classe di scienze fisiche, matematiche e naturali*, s. 5, 13 (1): 87.

- BOUDIER P., 1992 — *Tortula rigescens* nouveau pour la Bryoflore européenne, *Cryptogamie, Bryologie-Lichénologie* 13: 1-6.
- BOUDIER P. & PIERROT R.B., 1992 — *Orthotrichum flowersii* Vitt (Orthotrichaceae, Musci) nouveau pour la bryoflore européenne. *Cryptogamie, Bryologie-Lichénologie* 13 (2): 165-170.
- BOULAY A.J.N., 1884 — *Musciniées de la France. I. Partie Mousses*. Paris.
- BOUMAN A.C., 1991 — *Grimmia curviseta* spec. nov. (Musci) a new species from Tenerife. *Journal of bryology* 16: 379-382.
- BRAUN-BLANQUET J & WILCZEK E., 1923 — Contribution à la connaissance de la Flore Marocaine. *Bulletin de la société d'histoire naturelle de l'Afrique du Nord* 14: 212-226.
- BRAUN-BLANQUET J. & MAIRE R., 1924 — Études sur la végétation et la flore Marocaines. *Mémoires de la société des sciences naturelles du Maroc* 8, 1er partie: 5-244.
- BRAUN-BLANQUET J., 1948 — La Végétation alpine des Pyrénées Orientales. *Monografías de la estación de estudios Pirenaicos y del instituto Español de edafología y fisiología vegetal* 9, *Botánica* 1: 1-306.
- BREMER B., 1981 — A taxonomic revision of *Schistidium* (Grimmiaceae, Bryophyta) 3. *Lindbergia* 7: 73-90.
- BRENAN J.P.M., 1973 — Notes on the mosses of Rhodes and Kos. *Journal of bryology* 7: 413-416.
- BRITTEN J., 1904 — R. Brown's list of Madeira plants. *Journal of botany, British and foreign* 42: 197-200.
- BRIZI U., 1890 — Addenda ad floram italicam. Note di briologia italiana. *Malpighia* 4: 262-282, 350-362.
- BROTHERUS V.F., 1924 — In: Engler A. & Prantl K., *Die Natürlichen Pflanzenfamilien* 10. Berlin, Duncker and Humboldt.
- BROWN M.S., 1937 — Mosses from Syria. *The bryologist* 40: 84-85.
- BRUGGEMAN-NANNENGA M.A., 1982 — The section *Pachylomidium* (genus *Fissidens*). III. The *F. crassipes*-subcomplex (*F. bryoides*-complex), *F. sublineaeifolius* (Pot. Varde) Brugg.-Nann. and *F. fluitans* (Pot. Varde) Brugg.-Nann. *Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen, Series C* 85 (1): 59-104.
- BRUGUÉS M., 2003 — Key to the Funariales of the Iberian Peninsula and Balearic Islands. *Cryptogamie, Bryologie* 24: 59-70.
- BRUGUÉS M. & RUIZ E., 2003 — Nota sobre *Drepanocladus sendtneri* (H. Müll.) Warnst., *Callialaria curvicaulis* (Jur.) Ochyra y *Warnstorfia sarmentosa* (Wahlenb.) Hedenäs en la Península Ibérica. *Boletín de la sociedad Española de briología* 22-23: 17-20.
- BRUGUÉS M. & SÉRGIO C., 2006 — Sobre la identidad de *Pleuridium serrulatum* Luisier & Dixon. *Boletín de la sociedad Española de briología* 29: 1-4.
- BRUGUÉS M., RUIZ E. & CASAS C., 2007a — Polytrichaceae. In: Brugués M., Cros, R.M. & Guerra J. (eds), *Flora Briofítica Ibérica, Vol. I, Sphagnales, Andreaeales, Polytrichales, Tetrarhizales, Buxbaumiales, Diphysciales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 101-128.
- BRUGUÉS M., MUÑOZ J., RUIZ E. & HERAS P., 2007b — Sphagnaceae. In: Brugués M., Cros R.M. & Guerra J. (eds), *Flora Briofítica Ibérica, Vol. I. Sphagnales, Andreaeales, Polytrichales, Tetrarhizales, Buxbaumiales, Diphysciales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 17-78.
- BRUGUÉS M., CROS R.M. & GUERRA J. (eds), 2007c — *Flora Briofítica Ibérica, Volumen I, Sphagnales, Andreaeales, Polytrichales, Tetrarhizales, Buxbaumiales, Diphysciales*. Murcia, Universidad de Murcia, Sociedad Española de Briología.
- BRUGUÉS M. & RUIZ E., 2010 — *Physcomitrella*. In: Guerra J., Brugués M., Cano M.J. & Cros R.M. (eds), *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 41-43.
- BRUGUÉS M. & SÉRGIO C., 2010 — On the identity of some *Entosthodon* species endemic to Macaronesia or the North of Africa. *Cryptogamie, Bryologie* 31: 277-280.
- BRUGUÉS M., RUIZ E., BARRÓN A. & SÁEZ L., 2010 — Adiciones a la brioflora de la Isla de Ibiza (Islas Baleares). *Boletín de la sociedad Española de briología* 34-35: 61-65.
- BRUGUÉS M. & RUIZ E., 2011a — Sobre la presencia de *Callicladium haldanianum* (Grev.) H.A. Crum en España. *Boletín de la sociedad Española de briología* 36: 1-2.
- BRUGUÉS M. & RUIZ E., 2011b — *Ceratodon*. In: Borradores de Flora Briofítica Ibérica (<http://www.florabriofiticaiberica.com>). Accessed the 19/10/2011.
- BRUGUÉS M. & RUIZ E., 2011c — *Ditrichum*. In: Borradores de Flora Briofítica Ibérica (<http://www.florabriofiticaiberica.com>). Accessed the 19/10/2011.
- BRUGUÉS M. & RUIZ E., 2011d — *Dicranodontium*. In: Borradores de Flora Briofítica Ibérica (<http://www.florabriofiticaiberica.com>). Accessed the 19/10/2011.

- BRUGUÉS M. & RUIZ E., 2011e — *Kiaeria*. In: Borradores de Flora Briofítica Ibérica (<http://www.florabriofiticaiberica.com>). Accessed the 19/10/2011.
- BRULLO S., PRIVITERA M. & PUGLISI M., 2004 — Bryophyte vegetation of the fumaroles from some Mediterranean and Macaronesian territories. *Nova Hedwigia* 78: 367-387.
- BRUMMIT R.K. & POWELL C.E., 1992 — *Authors of plant names*. Kew, Royal Botanic Gardens.
- BRUSA G., 1999 — Briofite. In: Furlanetto D. (ed.), *Atlante della biodiversità nel Parco Ticino*. Como, Nodo libri, pp. 85-97.
- BRYHN N., 1908 — Ad cognitionem bryophytorum archipelagi canariensis contributio. *Kongelige Norske Videnskabselskabs Skrifter i det 19de aarhundrede* 8: 1-35.
- BUCK W.R. & PRIVITERA M., 1999 — Taxonomic remarks on *Rhynchostegium strongylense* (Bott.) comb. nov., rare endemic from the Mediterranean area. *Cryptogamie, Bryologie* 20 (1): 11-15.
- BUCK R.W., JIMÉNEZ J.A., ROS R.M. & CANO M.J., 2001 — *Brachythecium bellicum* sp. nov. from northern Africa. *Nova Hedwigia* 72: 467-472.
- BURLEY J.S. & PRITCHARD N.M., 1990 — Revision of the genus *Ceratodon* (Bryophyta). *Harvard papers* 2: 17-76.
- CALABRESE G.M. & MUÑOZ J., 2008 — *Zygodon* (Orthotrichaceae) in the Iberian Peninsula. *The bryologist* 111: 231-247.
- CAMPISI P., DIA M.G. & AIELLO P., 2003 — First record of *Anacolia webbii* (Bartramiaceae, Musci) in Italian peninsula. *Flora Mediterranea* 13: 327-330.
- CAMPISI P., GALLEGO M.T. & LO RE M.G., 2006 — *Syntrichia echinata* (Schiffn.) Herrnst. & Ben-Sasson (Pottiaceae, Bryopsida) new to Italy. *Cryptogamie, Bryologie* 27: 383-386.
- CAMUS F., 1895 — Notes sur les récoltes de M.P. Mabille en Corse. *Revue bryologique* 5: 65-74.
- CAMUS F., 1902 — Note préliminaire sur un voyage bryologique en Corse. *Revue bryologique* 29: 17-26.
- CAMUS F., 1903 — Muscinées recueillies en Corse en mai et juin 1901. *Bulletin de la société botanique de France* 48: 151-174.
- CANGÜL C. & EZER T., 2010 — The bryophyte flora of Kaplandede Mountain (Düzce, Turkey). *Folia cryptogamica Estonica* 47: 3-12.
- CANO M.J., ROS R.M. & GUERRA J., 1994 — *Gymnostomum lanceolatum* sp. nov. (Pottiaceae, Musci) von der Iberischen Halbinsel. *Nova Hedwigia* 59: 143-146.
- CANO M.J., ROS R.M. & GUERRA J., 2000 — Identity of North African endemic bryophytes 1. *Journal of bryology* 22: 269-272.
- CANO M.J., GALLEGO M.T., GARILLETI R., JUARISTI R., LARA F., MARTÍNEZ ABAIGAR J., MAZIMPAKA V., ROSSELLÓ J.A., SANCHEZ-MOYA M.C. & URDÍROZ A., 2001 — Aportaciones al conocimiento de la flora briológica española. Nótula XIII: Hepáticas y musgos de Mallorca (Islas Baleares). *Boletín de la sociedad Española de briología* 18-19: 103-110.
- CANO M.J., ROS R.M., GALLEGO M.T., JIMÉNEZ J.A. & GUERRA J., 2002 — Contribution to the bryophyte flora of Morocco: the Anti-Atlas catalogue. *Cryptogamie, Bryologie* 23 (1): 249-262.
- CANO M.J., JIMÉNEZ J.A., GALLEGO M.T., ROS R.M. & GUERRA J., 2004 — Bryophyte Check-list of Murcia Province (Southeastern Spain). *Anales de biología* 26: 117-155.
- CANO M.J., 2006a — *Tortula*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 146-176.
- CANO M.J., 2006b — *Pterygoneurum*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 98-106.
- CANO M.J., 2007 — Typification of the names of some infraspecific taxa in the *Tortula subulata* complex (Pottiaceae, Bryophyta) and their taxonomic disposition. *Taxon* 56: 949-952.
- CANO M.J., 2008 — Taxonomic revision of *Hennediella* Paris (Pottiaceae, Bryophyta). *Bryophytorum bibliotheca* 64: 1-142.
- CAPRA G., 1905 — Contribution à la Flore bryologique de la Vallée d'Aoste. *Bulletin de la société de la Flore Valdôtaine* 3: 23-65.
- CARDOSO A. & SÉRGIO C., 1985 — Alguns musgos novos ou críticos para a Flora portuguesa. In: Notulae Bryoflorae Lusitanicae I. 7. *Portugaliae acta biologica* (B) 14: 196-197.
- CARRATELLO A. & ALEFFI M., 1998 — *Gigaspermum mouretii* Corb. (Gigaspermaceae, Musci), a new species from Italy. *Acta botanica Malacitana* 23: 203-207.
- CARRATELLO A., 2002 — Flora briologica e considerazioni biogeografiche dell'Isola di Marettimo (Arcipelago delle Egadi, Sicilia occidentale). *Braun-Blanquetia* 31: 63-77.
- CARRATELLO A., 2004 — Flora briologica e considerazioni biogeografiche delle Isole dello Stagnone (Sicilia occidentale). *Braun-Blanquetia* 34: 189-205.

- CASAS C. & BRUGUÉS M., 1979 — Flora briofítica. In: Folch R. (ed.), *El Patrimoni natural d'Andorra*. Barcelona, Ketres, pp. 81-83.
- CASAS C. & BRUGUÉS M., 1983 — Contribució a la brioflora de l'illa de Menorca. *Collectanea botanica* 14: 231-234.
- CASAS C. & PEÑUELAS J., 1985 — Bryological notes. *Dichelyma falcatum* (Hedw.) Myr., a glacial relict, new to Southern Europe. *Journal of bryology* 13: 591-592.
- CASAS C., BRUGUÉS M., CROS R.M. & SÉRGIO C., 1985 — *Cartografia de Briòfits: Península Ibèrica i les illes Balears, Canàries, Açores i Madeira*. Fasc. I: 1-50. 50 mapes. Barcelona, Institut d'Estudis Catalans.
- CASAS C., BRUGUÉS M., CROS R.M. & SÉRGIO C., 1989 — *Cartografia de Briòfits. Península Ibèrica i les Illes Balears, Canàries, Açores i Madeira*. Fasc. II: 51-100. 50 mapes. Barcelona, Institut d'Estudis Catalans.
- CASAS C., BRUGUÉS M., CROS R.M. & SÉRGIO C., 1992a — *Cartografia de Briòfits: Península Ibèrica i les illes Balears, Canàries, Açores i Madeira*. Fasc. III: 101-150. 50 mapes. Barcelona, Institut d'Estudis Catalans.
- CASAS C., BRUGUÉS M. & CROS R.M., 1992b — Distribució del gènere *Racomitrium* Brid. secció *Racomitrium* a la Península Ibèrica. *Actes del Simposi Internacional de Botànica Pius Font i Quer, 1988*, 1: 231-235.
- CASAS C., BRUGUÉS M., CROS R.M. & SÉRGIO C., 1996 — *Cartografia de Briòfits: Península Ibèrica i les Illes Balears, Canàries, Açores i Madeira*. Fasc. IV: 151-200. 50 mapes. Barcelona, Institut d'Estudis Catalans.
- CASAS C. & GIRBAL J., 1998 — *Campylium elodes* (Linb.) Kindb. a la península Ibèrica. *Orsis* 13: 51-54.
- CASAS C., 1999 — *Neckera besseri*, *Homalia lusitanica* i *Homalia trichomanoides* (molses) als Països Catalans. *Orsis* 14: 31-37.
- CASAS C., BRUGUÉS M. & CROS R.M., 2003 — *Flora dels Briòfits dels Països Catalans, I Molses*, 2nd revised ed. Barcelona, Institut d'Estudis Catalans.
- CASAS C., 2005 — Catàleg de les molses d'Andorra. *Orsis* 20: 41-59.
- CASAS C., BRUGUÉS M., CROS R.M. & SÉRGIO C., 2006 — *Handbook of mosses of the Iberian Peninsula and the Balearic Islands*. Barcelona, Institut d'Estudis Catalans.
- CASAS DE PUIG C., 1975 — Brioteca Hispànica 1970. *Acta phytotaxonomica Barcinonensia* 15: 27-33.
- CASAS SICART C., 1981 — The mosses of Spain. An annotated check-list. *Treballs de l'Institut botànic de Barcelona* 7: 1-57.
- CASAS SICART C., 1986 — Catálogo de los briófitos de la vertiente española del Pirineo Central y de Andorra. *Collectanea botanica* 16: 255-321.
- CEKOVA M., 2005 — *Review of the Bryoflora of the Republic of Macedonia*. Skopje, PMF, Inst. Biol. (in Macedonian).
- ÇETIN B. & YURDAKULOL E., 1985 — The moss (Musci) flora of Gerede-Aktah (Bolu) forest. *Doga bilim dergisi Seri A 2*, 9: 29-39.
- ÇETIN B., 1988a — Checklist of mosses of Turkey. *Lindbergia* 14: 15-23.
- ÇETIN B., 1988b — Some mosses (Musci) of Dilek Peninsula National Park. *Doga, Türk botanik dergisi Seri C* 12: 207-214.
- ÇETIN B., 1991 — *Hygrohypnum duriusculum* (De Not.) Jamieson: a new record for the moss flora of Turkey. *Lindbergia* 17: 3-4.
- ÇETIN B. & UYAR G., 1997 — The moss flora of Sinop and its environs (Ayancik, Boyabat and Gerze). *Turkish journal of botany* 21: 231-244.
- CEZÓN K., MUÑOZ J., HEDENÅS L. & HUTTUNEN S.M., 2010 — *Rhynchostegium confusum*, a new species from the Iberian Peninsula and its relation to *R. confertum* based on morphological and molecular data. *Journal of bryology* 32 (1): 1-8.
- CHURCHILL S.P., 1986 — A revision of *Echinodium* Jur. (Echinodiaceae: Hypnobryales). *Journal of bryology* 14: 117-133.
- CLARO G.D., 2008 — *Briófitos da Ilha de S. Jorge: Conservação e caracterização biogeográfica*. Mestrado em Biologia da Conservação. Faculdade de Ciências da Universidade de Lisboa. Lisboa.
- CLARO D., SÉRGIO C. & SCHUMACKER R., 2009 — Bryophytes of S. Jorge Island (Azores, Portugal). Conservation and biogeographic characterization. *Portugaliae acta biologica* 23: 147-223.
- COGONI A., FLORE F. & ALEFFI M., 2002 — Survey of the bryoflora on Monte Limbara (Northern Sardinia). *Cryptogamie, Bryologie* 23 (1): 73-86.
- COGONI A., ADAMO C. & FLORE F., 2006 — Su alcuni nuovi o interessanti reperti della brioflora sarda. *Informatore botanico Italiano* 38: 145-148.
- COGONI A., FLORE F., ADAMO C. & SCRUGLI A., 2007 — The bryophytic flora of the Molara Island (Northeastern Sardinia). *Flora Mediterranea* 17: 185-204.

- COLACINO C. & SABOVLJEVIĆ M., 2006 — Bryophyte flora of Albania: a preliminary Check-list. *Cryptogamie, Bryologie* 27 (4): 471-498.
- COLACINO C. & MARKA J., 2009 — Bryophytes of the Karavasta Lagoon area, with new reports for Albania. *Phytologia Balcanica* 15 (1): 39-42.
- COPPEY A., 1907 — Matériaux pour servir à l'étude de la flore et la géographie botanique de l'Orient. Troisième fascicule. Contribution à l'étude des muscinées de la Grèce. *Bulletin des séances de la société des sciences de Nancy* 8: 293-360.
- COPPEY A., 1909 — Matériaux pour servir à l'étude de la flore et la géographie botanique de l'Orient. Cinquième fascicule. Deuxième Contribution à l'étude des muscinées de la Grèce. Nancy, Bergier-Levrault et Cie.
- CORBIÈRE L., 1897 — Muscinées rares ou nouvelles pour les Pyrénées. *Revue bryologique* 24: 54-56.
- CORBIÈRE L., 1905 — Muscinées des environs de Constantine. *Comptes rendus de l'association Française pour l'avancement des sciences* 475-487.
- CORBIÈRE L. & PITARD C.-J., 1909 — Muscinées de Tunisie. *Bulletin de la société botanique de France* 76: 216-242.
- CORBIÈRE L., 1913a — Contribution à la flore bryologique du Maroc d'après les récoltes du Lieutenant Mouret. *Revue bryologique* 40, 1: 7-13.
- CORBIÈRE L., 1913b — Nouvelle contribution à la flore bryologique du Maroc d'après les récoltes du Lieutenant Mouret. *Revue bryologique* 40, 4: 51-57.
- CORBIÈRE L. & PITARD C.-J., 1913 — Musci. In: Pitard C.-J. (ed.), *Exploration Scientifique du Maroc*. Paris, Masson et Cie, Éditeurs de la Société de Géographie.
- CORBIÈRE L., 1914 — Troisième contribution à la flore bryologique du Maroc d'après les récoltes du Lieutenant Mouret. *Revue bryologique* 41, 1: 10-14.
- CORLEY M.F.V., 1979 — Notes on some rare Dicranaceae. *Journal of bryology* 10: 383-386.
- CORLEY M.F.V., CRUNDWELL A.C., DÜLL R., HILL M.O. & SMITH A.J.E., 1981 — Mosses of Europe and the Azores; an annotated list of species, with synonyms from the recent literature. *Journal of bryology* 11: 609-689.
- CORTINI C., 1960 — Contributo alla flora briologica della Val di Tovel (Dolomiti di Brenta). *Webbia* 15: 601-630.
- CORTINI C., 1965 — Ulteriori osservazioni sui muschi della foresta di Pixinamanna (Sardegna meridionale) con descrizione di una nuova varietà di "*Thamnium alopecurum*". *Webbia* 20: 707-710.
- CORTINI PEDROTTI C., 1964 — Studio floristico e fitogeografico dei muschi della Foresta di Pixinamanna (Sardegna meridionale). *Webbia* 19: 455-490.
- CORTINI PEDROTTI C., 1966 — Nuovi reperti della flora briologica della Sardegna. *Atti dell'istituto botanico e laboratorio crittogamico dell'Università di Pavia* 2: 9-32.
- CORTINI PEDROTTI C. & TROIANO R., 1985 — Contributo alla conoscenza dei muschi della Sardegna. *Bollettino della società Sarda di scienze naturali* 24: 123-147.
- CORTINI PEDROTTI C., 1992 — Check-list of the Mosses of Italy. *Flora Mediterranea* 2: 119-221.
- CORTINI PEDROTTI C. & ALEFFI M., 1994 — Stato delle conoscenze briologiche delle isole circum-sarde e considerazioni briogeografiche. *Biogeographia* 18: 97-110.
- CORTINI PEDROTTI C., 2001a — *Flora dei Muschi d'Italia. Sphagnopsida, Andreaeopsida, Bryopsida (I parte)*. Roma, A. Delfino editore.
- CORTINI PEDROTTI C., 2001b — New Check-list of the Mosses of Italy. *Flora Mediterranea* 11: 23-107.
- CORTINI PEDROTTI C., 2006 — *Flora dei Muschi d'Italia. Bryopsida (II parte)*. Roma, A. Delfino editore.
- CROS R.M. & ROSSELLÓ J.A., 1984 — An approach to the bryophytic flora of the Pityusic Islands. In: Kuhbier H., Alcover J.A. & d'Arellano G. (eds), *Biogeography and Ecology of the Pityusic Islands*. The Hague, Junk Publishers, pp. 155-170.
- CROS R.M., BRUGUÉS M., RUIZ E. & BARRÓN A., 2005 — Contribució a la brioflora d'Andorra. *Orsis* 20: 33-40.
- CROS R.M. & SÉRGIO C., 2007 — Andreaeaceae. In: Brugués M., Cros R.M. & Guerra J. (eds), *Flora Briofítica Ibérica, Vol. I, Sphagnales, Andreaeales, Polytrichales, Tetraphidales, Buxbaumiales, Diphysciales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 81-98.
- CROS R.M., SÁEZ L., CANO M.J., BRUGUÉS M. & SÉRGIO C., 2007 — Algunos briófitos nuevos o interesantes para las Islas Baleares. *Boletín de la sociedad Española de briología* 30-31: 25-32.
- CROS R.M., SÁEZ L. & BRUGUÉS M., 2008 — The bryophytes of the Balearic Islands: an annotated checklist. *Journal of bryology* 30 (1): 74-95.
- CROSBY M.R. & BUCK W.R., 2011 — *Nogopterium*, a new name for the genus *Pterogonium* (Musci, Leucodontaceae). *Novon* 21: 424-425.

- CRUNDWELL A.C. & NYHOLM E., 1964 — The European species of the *Bryum erythrocarpum* Complex. *Transactions of the British bryological society* 4: 597-637.
- CRUNDWELL A.C. & NYHOLM E., 1974 — *Funaria muhlenbergii* and related European Species. *Lindbergia* 2: 222-229.
- CRUNDWELL A. C. & WHITEHOUSE H.L.K., 1976 — *Tortula bolanderi*, new to Europe. *Journal of bryology* 9: 13-15.
- CRUNDWELL A.C., DURING H.J. & LONG D.G., 1978a — Some additions to the bryophyte flora of Tenerife. *Journal of bryology* 10: 103-111.
- CRUNDWELL A.C., DURING H.J. & KOUTSTAAL B.P., 1978b — *Tortula grandiretis* Broth. in the Netherlands and in Turkey. *Lindbergia* 4: 255-257.
- CRUNDWELL A.C., GREVEN H.C. & STERN R.C., 1994 — Some additions to the bryophyte flora of the Azores. *Journal of bryology* 18: 329-337.
- CRUNDWELL A.C. & WHITEHOUSE H.L.K., 2001 — A revision of *Bryum bornholmense* Wink. & R. Ruthe. *Journal of bryology* 23: 171-176.
- CUNHA A.G. & BARROS G., 1942 — Algumas espécies de Musgos da Terceira novas para os Açores ou para a ilha. *Boletim da sociedade Portuguesa de ciências naturais* 13: 156-157.
- DALLA TORRE K.W. & SARNTHEIN L.G., 1904 — *Die Moose von Tirol, Vorarlberg und Liechtenstein*, 5. Innsbruck.
- DALTON N.J., KUNGU E.M. & LONG D.G., 2012 — The misapplication of *Hedwigia integrifolia* P. Beauv and identity of *Gymnostomum imberbe* Sm. (Hedwigiaceae, Bryopsida). *Journal of bryology* 34 (1): 59-61.
- DAMM E. & DÜLL R., 1995 — Moose von Thassos (Bryophytes of Thasos). *Bryologische Beiträge* 10: 143-158.
- DE LITARDIÈRE R., 1927 — Notes sur quelques bryophytes de la Corse. *Archives de botanique (Caen)* 1: 248-250.
- DE NOTARIS G., 1869 — *Epilogo della Briologia Italiana*. Genova, Tip. Sordomuti.
- DE SLOOVER J.-L., 1965 — Additions à la Flore Bryologique de la Tunisie. *Bulletin du jardin botanique de l'État, Bruxelles* 35: 93-95.
- DE ZUTTERE P., 2007 — Errata concernant le genre *Bryum*. *Nowellia bryologica* 32: 30.
- DECAISNE J., 1834 — Florula Sinaica. Enumération des plantes recueillées par M. Bove dans les deux Arabies, la Palestine, la Syrie et l' Egypt. *Annales des sciences naturelles, Botanique*, 2^e série, 2: 5-18.
- DELGADILLO C.M., 1975 — Taxonomic revision of *Aloina*, *Aloinella* and *Crossidium* (Musci). *The bryologist* 78: 245-303.
- DELILE M., 1813 — *Flore d'Égypte*. Histoire Naturelle, Tome II, pp. 145-320.
- DIA M.G., MICELI G. & RAIMONDO F.M., 1987 — Check-list dei Muschi noti in Sicilia. *Webbia* 41 (1): 61-123.
- DIA M.G. & AIELLO P., 1992 — La florula briologica dell'Orto Botanico di Palermo. *Giornale botanico Italiano* 126 (2): 380.
- DIA M.G., PROVENZANO F. & LO MANTO G., 2004 — Brioflora della "Riserva Naturale Orientata Bosco d'Alcamo" e sua incidenza sulla diversità briofitica di Monte Bonifato (Sicilia Nord-occidentale). *Il naturalista Siciliano* 28: 327-349.
- DIA M.G. & HALLINGBÄCK T., 2005 — *Seligeria acutifolia* (Seligeriaceae) new to Sicily. *Flora Mediterranea* 15: 611-614.
- DIA M.G. & LO RE M.G., 2005 — Primo rinvenimento in Sicilia di *Zygodon forsteri* (Orthotrichaceae, Musci), specie ad alta specificità di habitat minacciato in Europa. *Quaderni di botanica ambientale e applicata* 16: 275-278.
- DIA M.G. & CAMPISI P., 2009 — New or interesting records to the moss flora of Italy. *Cryptogamie, Bryologie* 30 (1): 199-201.
- DIAS E., 1986 — Estudo Bio-Ecológico da Bacia da Lagoa do Negro. *Relatórios e comunicações do departamento de biologia* 16: 1-131.
- DIAS E., MENDES C. & SHAW J., 2009 — *Sphagnum recurvum* P. Beauv on Terceira, Azores, new to Macaronesia-Europe. *Journal of bryology* 31 (3): 199-201.
- DIRKSE G.M., 1985 — Three mosses new to the Canary Islands. *Journal of bryology* 13: 592-593.
- DIRKSE G.M. & BOUMAN A.C., 1990 — Additions to the bryophyte flora of the Canary Islands. *Lindbergia* 15: 145-150.
- DIRKSE G.M., RUTJES J.J., SIEBEL H. & ZIELMAN R., 1990 — *Trochobryum carniolicum*, nouveau pour la France et pour l'Autriche. *Cryptogamie, Bryologie-Lichénologie* 11: 385-389.
- DIRKSE G.M. & GREVEN H.C., 1993 — *Grimmia meteorae* C.C. Townsend new to the Canary Islands. *Lindbergia* 18: 135-137.
- DIRKSE G.M., BOUMAN A.C. & LOSADA-LIMA A., 1993 — Bryophytes of the Canary Islands, an annotated checklist. *Cryptogamie, Bryologie-Lichénologie* 14: 1-47.

- DIRKSE G.M. & BOUMAN A.C., 1995 — A revision of *Rhynchostegiella* (Musci, Brachytheciaceae) in the Canary Islands. *Lindbergia* 20: 109-121.
- DIRKSE G.M. & BRÚGUÉS M., 2010 — *Entosthodon kroonkurk* (Bryophyta: Funariaceae), a new species from the Iberian Peninsula and Macaronesia. *Journal of bryology* 32: 133-139.
- DIRKSE G.M. & LOSADA-LIMA A., 2011 — Additions and amendments to the moss flora of the Canary Islands. *Cryptogamie, Bryologie* 32 (1): 37-41.
- DIXON H.N., 1908 — Mosses from the Canary Islands. *Journal of botany* 46: 184-186.
- DIXON H.N., 1931 — Two mosses from the Central Sahara. *Journal of botany, British and foreign* 69: 285-287.
- DORT K.W. & NIEUWKOOP J.A.W., 2003 — De bryologische excursie naar Gran Canaria in 1996. *Buxbaumia* 64: 11-27.
- DRAGIĆEVIĆ S & VELJIĆ M., 2006 — *Bryophyte survey of Montenegro*. Podgorica, Prirodnjački muzej Crne Gore, 99 p. (in Serbian).
- DRAPER I., MAZIMPAKA V., ALBERTOS B., GARILLETI R. & LARA F., 2005 — A survey of the epiphytic bryophyte flora of the Rif and Tazzeke Mountains (northern Morocco). *Journal of bryology* 27: 23-34.
- DRAPER I. & HEDENÁS L., 2008 — *Sciuro-hypnum tromsoeense*, a distinct species from the European mountains. *Journal of bryology* 30 (4): 271-278.
- DRAPER I., MAZIMPAKA V. & LARA F., 2008 — New records to the epiphytic bryophyte flora of Tunisia. *Cryptogamie, Bryologie* 29: 83-91.
- DRAPER I., GONZÁLEZ-MANCEBO J.M., WERNER O., PATIÑO J. & ROS R.M., 2011 — Phylogeographic relationships between the mosses *Exsertotheca intermedia* from Macaronesian islands and *Neckera baetica* from southern glacial refugia of the Iberian Peninsula. *Annales botanici Fennici* 48: 133-141
- DÜLL R., 1966 — Moosflora und -vegetation auf Kreta. *Revue bryologique et lichénologique* 34: 732-761.
- DÜLL R. & DÜLL-HERMANN I., 1973 — Ergänzungen und Nachträge zur Bryoflora und Bryogeographie der ostmediterranen Insel Kreta in der Aegaeis. *Journal of bryology* 7: 421-437.
- DÜLL R., 1979 — Neue Übersicht zur Moosflora der Insel Kreta (Aegaeis). *Journal of bryology* 10: 491-509.
- DÜLL R., 1980 — Bryoflora und Bryogeographie der Insel La Palma, Canaren. *Cryptogamie, Bryologie-Lichénologie* 1: 151-188.
- DÜLL R., 1984 — Distribution of the European and Macaronesian mosses (Bryophytina). Part I. *Bryologische Beiträge* 4: 1-113.
- DÜLL R., 1985 — Distribution of the European and Macaronesian mosses (Bryophytina). Part II. *Bryologische Beiträge* 5: 110-232.
- DÜLL R., 1992 — Distribution of the European and Macaronesian mosses (Bryophytina). Annotations and progress. *Bryologische Beiträge* 8/9: 1-223.
- DÜLL R., 1995a — Moose der Chalkidiki (mit Sithonia und Athos) und der Rhodopen (Bryophytes of the Chalkidiki (incl. Sithonia and Athos) and the Rhodopi Mountains). *Bryologische Beiträge* 10: 126-142.
- DÜLL R., 1995b — Moose von Korfu (Bryophytes of Corfu). *Bryologische Beiträge* 10: 159-177.
- DÜLL R., 1995c — Moose von Thessalien (Bryophytes of Thessalia). *Bryologische Beiträge* 10: 192-208.
- DÜLL R., 1995d — Moose von Rhodos (Bryophytes of Rhodes). *Bryologische Beiträge* 10: 218-225.
- DÜLL R., 1995e — Übersicht der Moose Griechenlands. *Bryologische Beiträge* 10: 1-125.
- DÜLL R., GANEVA A., MARTINČIĆ A. & PAVLETIĆ Z., 1999 — *Contributions to the Bryoflora of former Yugoslavia and Bulgaria*. Bad Münstereifel, IDH.
- DÜLL R., 2004 — Check-list of the bryophytes collected during Iter Mediterraneum III. *Bocconea* 17: 239-274.
- DUNK K., 1977 — Zur Moosvegetation von Mallorca. *Herzogia* 4: 213-234.
- DURAND E. & BARRATE G., 1910 — *Florae Libycae Prodrromus ou Catalogue Raisonné des Plantes de Tripolitaine*. Genève, Romet.
- EDERRA A. & GUERRA J., 2005 — *Cinclidotus vivesii* sp. nov. (Musci, Pottiaceae) from the Iberian Peninsula. *Nova Hedwigia* 81: 471-476.
- EDERRA A., 2006 — *Cinclidotus*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 257-264.
- EGGERS J., 1982 — Artenliste der Moose Makaronesiens. *Cryptogamie, Bryologie-Lichénologie* 3: 283-335.
- EL-OQLAH A.A. & LAHHAM J.N., 1985 — Mosses from northern part of Jordan. *Candollea* 40: 147-152.

- EL-OQLAH A.A., FREY W. & KÜRSCHNER H., 1988 — The bryophyte flora of Trans-Jordan. A catalogue of species and floristic elements. *Willdenowia* 18: 253-279.
- EL-SAADAWI W. & ABOU EL-KHEIR W.S., 1973 — On some Egyptian mosses and the algal flora in their habitats. *Proceedings of the Egyptian academy of sciences* 26: 125-136.
- EL-SAADAWI W., ABOU EL-KHEIR W.S. & DARWISH M.H., 1986a — Notes on Egyptian mosses with one new record. *Lindbergia* 12: 129-131.
- EL-SAADAWI W., BADAWI A. & REFAI M.S., 1986b — Mosses of the Nile Delta. *Lindbergia* 12: 106-110.
- EL-SAADAWI W., BADAWI A. & SHABBARA H.M., 1987 — The moss flora of Egypt. IV. El-Fayum Province. *Ain Shams Scientific Bulletin* 26B: 321-356.
- EL-SAADAWI W., BADAWI A., SHABBARA H.M., ABOU SALAMA U.Y. & REFAI M., 1999 — An updated list of Egyptian mosses. *Taechholmia* 19: 77-96.
- EL-SAADAWI W., SHABBARA H.M., REFAI M. & ABOU SALAMA U.Y., 2003 — Mosses of different phytogeographical territories of Egypt. *Bocconea* 16: 133-146.
- ELLIS L.T., DICKSON J.H., ECKSTEIN J., ERDAĞ A., FONTINHA S., HEDENÄS L., HORTON D., HUGONNOT V., KIRMACI N., KUČERA J., LOBO C., LUÍS L., SIM-SIM M., SINGH H., SAHU V., HUSAIN T., ASTHANA A.K., STECH M., KRUIJER J.D., SOTIAUX A., SUÁREZ G.M., SCHIAVONE M.M. & VANDERPOORTEN A., 2010a — New national and regional bryophyte records, 24. *Journal of bryology* 32 (3): 232-237.
- ELLIS L.T., ASTHANA A.K., SAHU V., BEDNAREK-UCHYRA B.H., UCHYRA R., CANO M.J., COSTA D.P., CYKOWSKA B., PHILIPPOV D.A., DULIN M.V., ERZBERGER P., LÉBOUVIER M., MOHAMED H., ORGAZ J.D., PHEPHU N., VAN ROOY J., STEBEL A., SUÁREZ G.M., SCHIAVONE M.M., TOWNSEND C.C., VÁŇA J., VONČINA G., TONGUÇ YAYINTAŞ Ö., YONG K.T. & ZANDER R.H., 2010b — New national and regional bryophyte records, 25. *Journal of bryology* 32 (4): 311-322.
- ELLIS L.T., BEDNAREK-UCHYRA H., UCHYRA R., CALVO ARANDA S., COLOTTI M.T., SCHIAVONE M.M., DULIN M.V., ERZBERGER P., EZER T., KARA R., GABRIEL R., HEDENÄS L., HOLYOAK D.T., ÓDOR P., PAPP B., SABOVLJEVIĆ M., SEPPELT R.D., SMITH V.R., SOTIAUX A., SZURDOKI E., VANDERPOORTEN A., VAN ROOY J. & ŽARNOWIEC J., 2011a — New national and regional bryophyte records 26. *Journal of bryology* 33 (1): 66-73.
- ELLIS L.T., ASTHANA A.K., SAHU V., BANSAL P., NATH V., ERZBERGER P., HALLINGBÄCK T., INFANTE M., LAZAREVIĆ P., LUÍS L., MEDINA R., UCHYRA R., PANDE N., PAPP B., PLÁŠEK V., SABOVLJEVIĆ M., SAWICKI J., SIM-SIM M., STEBEL A., SUÁREZ G.M., VAN ROOY J. & PHEPHU N., 2011b — New national and regional bryophyte records, 27. *Journal of bryology* 33 (2): 158-162.
- ELLIS L.T., ASTHANA A.K., SAHU V., SRIVASTAVA A., BEDNAREK-UCHYRA H., UCHYRA R., CHLACHULA J., COLOTTI M.T., SCHIAVONE M.M., HRADILEK Z., JIMÉNEZ M.S., KLAMA H., LÉBOUVIER M., NATCHEVA R., PÓCS T., PORLEY R.D., SÉRGIO C., SIM-SIM M., SMITH V.R., SÖDERSTRÖM L., ŞTEFĂNUŢ S., SUÁREZ G.M. & VÁŇA J., 2011c — New national and regional bryophyte records, 28. *Journal of bryology* 33 (3): 237-247.
- ELLIS L.T., AKHOONDI DARZIKOLAEI S., SHIRZADIAN S., BAKALIN V.A., BEDNAREK-UCHYRA H., UCHYRA R., CLARO D., DULIN M.V., ECKEL P.M., ERZBERGER P., EZIZ R., SULAYMAN M., GARCIA C., SÉRGIO C., STOW S., HEDDERSON T., HEDENÄS L., KÜRSCHNER H., LI W., NEBEL M., NIEUWKOOP J., PHILIPPOV D.A., PLÁŠEK V., SAWICKI J., SCHÄFER-VERWIMP A., ŞTEFĂNUŢ S. & VÁŇA J., 2011d — New national and regional bryophyte records, 29. *Journal of bryology* 33 (4): 316-323.
- EMBERGER L. & MAIRE R., 1928 — *Spicilegium Rifanum*. *Mémoires de la société des sciences naturelles du Maroc* 17: 1-9.
- ERDAĞ A. & YAYINTAŞ A., 1999 — A contribution to the moss flora of western Turkey: moss flora of the Kaz Mountain (Balıkesir, Turkey). *Turkish journal of botany* 23: 117-125.
- ERDAĞ A. & KÜRSCHNER H., 2000 — *Orthotrichum sprucei* Mont. (Orthotrichaceae, Musci), new to the moss flora of Turkey. *Nova Hedwigia* 71: 145-150.
- ERDAĞ A., KIRMACI M. & KÜRSCHNER H., 2003 — The *Hedwigia ciliata* (Hedw.) Ehrh. ex P. Beauv. complex in Turkey, with a new record, *H. ciliata* var. *leucophaea* Bruch & Schimp. (Hedwigiaceae, Bryopsida). *Turkish journal of botany* 27: 349-365.
- ERDAĞ A., KÜRSCHNER H. & PAROLLY G., 2004 — *Orthotrichum leblebicii* sp. nov. (Orthotrichaceae, Bryopsida), and two further new epiphytic *Orthotrichum* records from southern Turkey. *Nova Hedwigia* 78: 517-526.

- ERDAĀ A. & KÜRSCHNER H., 2005 — *Didymodon bistratosus* Hébrard & Pierrot (Pottiaceae, Bryopsida), a new record to the bryophyte flora of Turkey. *Cryptogamie, Bryologie* 26: 233-236.
- ERDAĀ A. & KIRMACI M., 2010 — *Zygodon forsteri* (Orthotrichaceae, Bryophyta), a new record to the bryophyte flora of Turkey and SW Asia. *Nova Hedwigia, Beiheft* 138: 181-186.
- ERDAĀ A. & KÜRSCHNER H., 2011 — The *Cinclidotus* P. Beauv./*Dialytrichia* (Schimp.) Limpr. complex (Bryopsida, Pottiaceae) in Turkey. *Botanica Serbica* 35 (1): 13-29.
- ERZBERGER P., 2006 — Contribution to the bryophyte flora of Chalkidiki, Greece. *Willdenowia* 36: 515-525.
- ERZBERGER P., PAPP B. & DRAGIĆEVIĆ S., 2008 — Notes on some newly recorded bryophytes from Montenegro. *Journal of bryology* 30: 167-170.
- FARNETI R., 1888 — Muschi della Provincia di Pavia (Seconda Centuria). *Atti dell'istituto botanico dell'università di Pavia* 1: 325-357.
- FEDOSOV V.E., IGNATOVA E.A., IGNATOV M.S. & DOROSHINA G.Y., 2010 — On the genus *Entosthodon* (Funariaceae, Musci) in the Caucasus. *Arctoa* 19: 75-86.
- FELDMANN J., 1947 — Contribution à l'étude bryologique de l'Algérie. *Revue bryologique et lichénologique* 16: 60-66.
- FELZINES J.-C., LOISEAU J.-E. & PIERROT R.B., 1998 — *Bryum demaretianum* Arts dans le Morvan nivernais. *Bulletin de la société botanique du Centre-Ouest*, N. S., 29: 473-476.
- FERNÁNDEZ ORDÓÑEZ M.C., 1988 — Contribución al conocimiento de la brioflora de Asturias. I. El Concejo de Ponga. *Studia botanica* 7: 187-207.
- FIFE A.J., 1982 — Taxonomic and nomenclatural observations on the Funariaceae. 2. Lectotypification of *Physcomitrium* subg. *Cryptopyxis* (C. Müll.) Broth. *Lindbergia* 8: 75-76.
- FILIPELLO S., 1964 — La flora muscinale del Monte Rocciacotello (Val Chisone). *Allionia* 10: 17-52.
- FLEISCHER M., 1893 — Contribuzioni alla Briologia della Sardegna. *Malpighia* 7: 313-344.
- FRAHM J.-P., 1991 — *Oxystegus hibernicus* (Mitt.) Hilp. neu für Frankreich. *Cryptogamie, Bryologie-Lichénologie* 12 (2): 165-167.
- FRAHM J.-P., BUCHBENDER V., LACHMANN S., REIFENRATH K. & WERNER F., 1998 — Revision der Gattung *Oncophorus* (Musci, Dicranaceae). *Tropical bryology* 14: 119-131.
- FRAHM J.-P., 2005 — New or interesting records of bryophytes from the Azores. *Tropical bryology* 26: 45-48.
- FRAHM J.-P. & SABOVLEVIĆ M., 2006 — The status of *Thamnobryum maderense* (Kindb.) Hedenäs and *T. fernandesii* C. Sérgio. *Tropical bryology* 28: 149-154.
- FRAHM J.-P. & STECH M., 2006 — The taxonomic status of intermediate forms of *Campylopus introflexus* (Hedw.) Brid. and *C. pilifer* Brid. (Dicranaceae, Bryopsida) newly discovered in Europe. *Cryptogamie, Bryologie* 27: 213-223.
- FRAHM J.P. & LÜTH M., 2008 — The Bryophyte Flora of the Maltese Islands. *Archive for Bryology* 29: 1-10.
- FRAHM J.-P., LÜTH M. & VAN MELICK H., 2009 — Die Moose Zyperns. *Archive for bryology* 46: 1-8.
- FREY W. & KÜRSCHNER H., 1983 — New records of bryophytes from Transjordan with remarks on phytogeography and endemism in SW Asiatic mosses. *Lindbergia* 9: 121-132.
- FREY W. & KÜRSCHNER H., 1991 — Conspectus Bryophytorum Orientalum et Arabicorum, an annotated catalogue of the bryophytes of southwest Asia. *Bryophytorum bibliotheca* 39: 1-181.
- FREY W. & KÜRSCHNER H., 1994 — Bryosoziologische Untersuchungen in Jordanien 2. Ergänzungen und weitere neue terrestrische und epilithische Gesellschaften aus der östlichen Wüste und der Basaltregion. *Nova Hedwigia* 59: 365-378.
- FREY W., KÜRSCHNER H., ROS R.M., GUERRA J. & CANO M.J., 1994 — *Tortula mucronifera* (Pottiaceae, Musci), a new xerophytic species of the Arabian Peninsula and Jordan. *Nova Hedwigia* 59: 345-351.
- FREY W. & KÜRSCHNER H., 1995 — Soziologie und Lebensstrategien epiphytischer Bryophyten in Israel und Jordanien. *Nova Hedwigia* 61: 211-232.
- FREY W., FRAHM J.-P., FISCHER E. & LOBIN W., 2006 — *The liverworts, mosses and ferns of Europe*. Colchester, Harley Books.
- FRISVOLL A.A. 1988 — A taxonomic revision of the *Racomitrium heterostichum* group (Bryophyta, Grimmiaceae) in N. and C. America, N. Africa, Europe and Asia. *Gunneria* 59: 1-289.
- FRÖHLICH J., 1959 — Bryophyten aus Vorderasien. *Annalen des Naturhistorischen Museum Wien* 63: 31-32.
- FUERTES E., ACÓN M., GAMARRA R. & OLIVÁN G., 2001 — Notas biogeográficas y estado de conservación de las especies de *Mnium*, *Plagiomnium* y *Rhizomnium* (Musci) en la Península Ibérica. *Boletín de la sociedad Española de briología* 18-19: 77-90.

- FUERTE LASALA E. & GARCÍA GÓMEZ R., 1985 — Flora muscinal gipsícola y sus comunidades, dependientes de la vegetación vascular, en Navarra (España). *Cryptogamie, Bryologie Lichénologie* 6: 95-120.
- FUERTE LASALA E., 1987 — *Desmatodon heimii* (Hedw.) Mitt., in the Iberian Peninsula. *Cryptogamie, Bryologie-Lichénologie* 8: 147-148.
- FUERTE LASALA E. & MARTÍNEZ-CONDE E., 1989 — Additions to the bryoflora of the Picos de Europa, of Cantabria and the Iberian Peninsula. *Cryptogamie, Bryologie-Lichénologie* 10: 319-324.
- GABRIEL R., SJÖGREN R., SCHUMACKER R., SÉRGIO C., FRAHM J.-P. & SOUSA E., 2005 — Bryophytes. In: Borges P.A.V., Cunha R., Gabriel R., Martins A.F., Silva L. & Vieira V. (eds), *A list of the terrestrial fauna (Mollusca and Arthropoda) and flora (Bryophyta, Pteridophyta and Spermatophyta) from the Azores*. Horta, Angra do Heroísmo and Ponta Delgada, Direcção Regional do Ambiente e do Mar & Universidade dos Açores, pp. 117-133.
- GABRIEL R., SJÖGREN E., SCHUMACKER R., SÉRGIO C., ARANDA S.C., CLARO D., HOMEM N. & MARTINS B., 2010 — List of bryophytes (Anthocerotophyta, Marchantiophyta, Bryophyta). In: Borges P.A.V., Costa A., Cunha R., Gabriel R., Gonçalves V., Martins A.F., Melo I., Parente M., Raposeiro P., Rodrigues P., Santos R.S., Silva L., Vieira P. & Vieira V. (eds), *A list of the terrestrial and marine fungi, flora and fauna from the Azores*. Cascais, Príncipeia, pp. 99-115.
- GALLEGO M.T. & CANO M.J., 1998 — *Aloina brevirostris* (Hook. & Grev.) Kindb., new for Greece, the Iberian Peninsula and the Canary Islands. *Journal of bryology* 20: 245-246.
- GALLEGO M.T., CANO M.J., ROS R.M. & GUERRA J., 1999 — The genus *Aloina* (Pottiaceae, Musci) in the Mediterranean region and neighbouring areas. *Nova Hedwigia* 69 (1-2): 173-194.
- GALLEGO M.T., CANO M.J., ROS R.M. & GUERRA J., 2002 — New Taxonomic data on a Circum-Tethyan group of *Syntrichia* (Pottiaceae, Bryophyta): the *S. caninervis* complex. *Systematic botany* 27 (4): 643-653.
- GALLEGO M.T., 2005 — A taxonomic study of the genus *Syntrichia* Brid. (Pottiaceae, Musci) in the Mediterranean region and Macaronesia. *Journal of the Hattori botanical laboratory* 98: 47-122.
- GALLEGO M.T., CANO M. & SÉRGIO C., 2005 — *Syntrichia bogotensis* (Pottiaceae, Musci) new for Macaronesia. *The bryologist* 108: 219-223.
- GALLEGO M.T., 2006a — *Bryoerythrophyllum*. In: Guerra J., Cano, M.J. & Ros, R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 113-120.
- GALLEGO M.T., 2006b — *Syntrichia*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 120-143.
- GALLEGO M.T., 2006c — *Aloina*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 83-89.
- GAMISANS J. & HÉBRARD J.P., 1980 — A propos de la végétation des forêts en Grèce du Nord-Est (Macédoine orientale et Thrace occidentale). *Documents phytosociologiques*, N.S. 5: 243-289.
- GAMS H., 1960 — Nachträge zur Flora und Vegetation des Olymps. *Österreichische botanische Zeitschrift* 107: 177-193.
- GANEVA A. & DÜLL R., 1999 — A contribution to the Bulgarian bryoflora. Checklist of Bulgarian bryophytes. In: Düll R., Ganeva A., Martinčič A. & Pavletić Z. (eds), *Contributions to the bryoflora of former Yugoslavia and Bulgaria*. 1 Auflage. Bad Münstereifel, IDH-Verlag, pp. 111-199.
- GANEVA A., 2008 — Records 1-8. In: Natcheva R. (compiler), New bryophyte records in the Balkans: 5. *Phytologia Balcanica* 14 (3): 426-428.
- GANEVA A., PAPP B. & NATCHEVA R., 2008 — Contribution to the bryophyte flora of the NW Bulgaria. *Phytologia Balcanica* 14 (3): 327-333.
- GANIATSAS K.A., 1937 — Contribution to the knowledge of the bryophytes of Macedonia. *Scientific annals of the faculty of physics and mathematics, Aristotelian university of Thessaloniki* 3: 73-93. [in Greek]
- GARCIA C., LARA F., SÉRGIO C., SIM-SIM M., GARILLETI R. & MAZIMPAKA V., 2006 — *Zygodon catarinói* (Orthotrichaceae, Bryopsida), a new epiphytic species from the Western Mediterranean Basin. *Nova Hedwigia* 82 (1-2): 247-256.
- GARCIA C., SÉRGIO C. & JANSEN J., 2008 — The bryophyte flora of the natural park of Serra da Estrela (Portugal): Conservation and biogeographical approaches. *Cryptogamie, Bryologie* 29 (1): 49-73.

- GARCÍA-ZAMORA P., ROS R.M. & GUERRA J., 1998a — Bryophyte flora of the Sierras de Filabres, Cabrera, Alhamilla and Cabo de Gata (Almería, S.E. Spain). *Journal of bryology* 20: 461-493.
- GARCÍA-ZAMORA P., ROS R.M., CANO M.J., GUERRA J., 1998b — *Anacolia menziesii* (Bartramiaceae, Musci) a new species to the European bryophyte flora. *The bryologist* 101: 588-593.
- GARDINER A., IGNATOV M.S., HUTTUNEN S. & TROITSKY A., 2005 — On resurrection of the families Pseudoleskeaceae Schimp. and Pylaisiaceae Schimp. (Musci, Hypnales). *Taxon* 54: 651-663.
- GARILLETI R., 2006 — *Barbula*. In: Guerra J., Cano M.J. & Ros R.M. (eds.), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 245-252.
- GARILLETI R., MEDINA R., MAZIMPAKA V. & LARA F., 2009 — *Orthotrichum hispanicum* in the Turkish Caucasus and Kashmir. *Journal of bryology* 31: 46-47.
- GAROVAGLIO S., 1844 — Saggio d'un prospetto delle piante crittogame della Lombardia. In: Cattaneo C. (ed.), *Notizie naturali e civili su la Lombardia*. 1. Milano.
- GATTEFOSSÉ J. & WERNER R.-G., 1935 — Contribution à la Flore Cryptogamique du Maroc. *Bulletin de la société d'histoire naturelle de l'Afrique du Nord* 26: 72-84.
- GAUTHIER R., 1987 — Note sur trois mousses du Sahara algérien. *Cryptogamie, Bryologie-Lichénologie* 8: 27-29.
- GAUTHIER R., 1991 — Découverte de *Sphagnum fuscum* (Schimp.) Kliggr. et de *Sphagnum warnstorffii* Russow en Espagne. *Cryptogamie, Bryologie-Lichénologie* 13: 7-14.
- GAUTHIER R. & PUJOS J., 1999 — *Sphagnum lindbergii* Schimp., nouveau pour la flore bryologique de France. *Cryptogamie, Bryologie-Lichénologie* 20 (2): 153-160.
- GEHEEB A., 1886 — Bryologische Fragmente III. *Flora* 69: 339-353.
- GEHEEB A., 1902 — Beitrag zur Moosflora von Syrien. *Allgemeine Botanische Zeitschrift für Systematik, Floristik und Pflanzengeographie* 8: 42-44.
- GEHEEB A., 1903 — Bryophyta. In: Kneucker A., Botanische Ausbeute einer Reise durch die Sinaihalbinsel vom 27. März bis 13. April 1902. *Allgemeine botanische Zeitung* 1903: 185-189, 203-204.
- GEHEEB, A. 1904 — Bryophyta. In: Kneucker A., Botanische Ausbeute einer Reise durch die Sinaihalbinsel vom 27. März bis 13. April 1902. *Allgemeine botanische Zeitung* 1904: 4-5.
- GEHEEB A. & HERZOG T., 1910 — Bryologia Atlantica. Die Laubmoose der atlantischen Inseln (unter Ausschluss der europäischen und arktischen Gebiete). *Bibliotheca botanica* 73: 1-71.
- GEISSLER P., 1977 — Zur Moos- und Flechtenflora Nordgriechenlands. *Bauhinia* 6: 189-213.
- GEISSLER P., 1981 — Some aspects of high altitude bryoflora of Corsica. In: Szweykowski J. (ed.), *New perspectives in bryotaxonomy and bryogeography*. Poznan, Adam Mickiewicz University, pp. 119-122.
- GIACOMINI V., 1938 — Contributo alla conoscenza della flora briologica della Sardegna. *Nuovo giornale botanico Italiano* 45: 567-571.
- GIACOMINI V., 1939 — Studi briogeografici. Associazioni di briofite in Alta Valcamonica in Valfurva (Alpi Retiche di Lombardia). *Atti dell'istituto botanico "Giovanni Briosi"* 12: 1-139.
- GIACOMINI V. & MUNDULA L.P., 1957 — Ricerche sulle Briofite epifite in Sardegna settentrionale. *Bollettino dell'istituto botanico dell'università di Catania* 1: 1-31.
- GILLOT X., 1878 — Liste des Cryptogames récoltés en Corse pendant la session extraordinaire de 1877. *Bulletin de la société botanique de France* 25: 131-210.
- GOFFINET B., SHAW A.J., COX C.J., WICKETT N.J. & BOLES S., 2004 — Phylogenetic inferences in the Orthotrichoideae (Orthotrichaceae: Bryophyta) based on variation in four loci from all genomes. *Monographs in systematic botany from the Missouri botanical garden* 98: 270-289.
- GOFFINET B., BUCK W.R. & SHAW A.J., 2009 — Morphology, anatomy, and classification of the Bryophyta. In: Goffinet B. & Shaw A.J. (eds), *Bryophyte Biology, 2nd edition*. Cambridge, Cambridge University Press, pp. 55-138.
- GONZÁLEZ-MANCEBO J.M., LOSADA-LIMA A. & BELTRÁN TEJERA E., 1987 — Algunas adiciones a la flora briológica del Archipiélago Canario. *Vieraea* 17: 147-150.
- GONZÁLEZ-MANCEBO J.M., LOSADA LIMA A. & PATIÑO LLORENTE J., 2004 — Briófitos. In: Beltrán Tejera E. (ed.), *Hongos, líquenes y briófitos del Parque Nacional de la Caldera de Taburiente. Naturaleza y Parques Nacionales*. Madrid, Serie Técnica Organismo Autónomo de Parques Nacionales, pp. 352-458.
- GONZÁLEZ-MANCEBO J.M., ALBERTOS B., BARRÓN A., CEZÓN K., CROS R.M., DRAPER I., ESTÉBANEZ B., GARILLETI R., HALLINGBÁCK T., HERNÁNDEZ-MAQUEDA R., LARA F., LOSADA-LIMA A., MATEO R.G., MAZIMPAKA V., MUÑOZ J., MEDINA R., MEDINA N.G., PATIÑO LLORENTE J., PUCHE F.,

- RAMS S., ROS R.M. & RUIZ E., 2007 — Bryophytes collected by the Spanish Bryological Society during a field trip at La Gomera (Canary Islands). *Boletín de la sociedad Española de briología* 30/31: 43-51.
- GONZÁLEZ-MANCEBO J.M., ROMAGUERA F., ROS R.M., PATIÑO J. & WERNER O., 2008a — The bryophyte flora of the Canary Islands: update of the species list, and island distribution patterns in the context of the Macaronesian Region. *Cryptogamie, Bryologie* 29: 315-357.
- GONZÁLEZ-MANCEBO J.M., LOSADA-LIMA A., PATIÑO LLORENTE J., & LEAL PÉREZ J., 2008b — Briófitos. In: Beltrán Tejera, E. (ed.), *Hongos, líquenes y briófitos del Parque Nacional de Garajonay. Naturaleza y Parques Nacionales*. Madrid, Serie Técnica Organismo Autónomo de Parques Nacionales, pp. 565-786.
- GONZÁLEZ-MANCEBO J., PATIÑO J., WERNER O., GABRIEL R. & ROS R.M., 2009a — Distribution patterns of *Leucodon* species in Macaronesia, with special reference to the Canary Islands. *Cryptogamie, Bryologie* 30: 185-197.
- GONZÁLEZ-MANCEBO J.M., DRAPER I., LARA F., MARRERO-BARRETO J.D., MUÑOZ J., PATIÑO J., ROMAGUERA F. & VANDERPOORTEN A., 2009b — New data on bryophytes from some Macaronesian islands. *Cryptogamie, Bryologie* 30 (4): 433-441.
- GOS L. & OCHYRA R., 1994 — New or otherwise interesting distributional data for species of *Seligeria* (Musci, Seligeriaceae) for Eurasia. *Fragmenta floristica et geobotanica* 39: 383-389.
- GRADSTEIN S.R., 1970 — New or otherwise interesting bryophytes from Crete. *Revue bryologique et lichénologique* 37: 663-679.
- GRADSTEIN S.R. & SIPMAN H.J.M., 1978 — Taxonomy and world distribution of *Campylopus introflexus* and *C. pilifer* (= *C. polytrichoides*): a new synthesis. *The bryologist* 81: 114-121.
- GRANZOW DE LA CERDA I., 1988 — Distribución de las especies del género *Anomodon* (Hedw.) Hook. & Tayl. (Musci) en la región occidental. *Fontqueria* 16: 9-24.
- GREVEN H.C., 1994a — The identities of *Grimmia nutans* Bruch, *G. ungeri* Jur., and remarks about other Grimmiaceae on the island of Cyprus. *Journal of bryology* 18: 303-309.
- GREVEN H.C., 1994b — *Grimmia pilosissima* Herzog, rediscovery of a forgotten species. *Lindbergia* 19: 129-131.
- GREVEN H.C., 1995a — *Grimmia Hedw. (Grimmiaceae, Musci) in Europe*. Leiden, Backhuys Publishers.
- GREVEN H.C., 1995b — Distribution of *Grimmia Hedw.* on Mediterranean Islands. *Cryptogamie, Bryologie-Lichénologie* 16 (1): 11-17.
- GREVEN H.C., 2009a — *Grimmia austrofunalis* Müll. Hal. in Britain and Ireland? *Field bryology* 97: 19-23.
- GREVEN H.C., 2009b — The end of *Grimmia limprichtii* Kern. *Field bryology* 99: 23.
- GREVEN H.C., 2011 — Grimmiids of the world. <http://www.grimmiidsoftheworld.com/index.html>. Accessed the 13/07/2012.
- GREVILLE R.K., 1827 — Some account of a collection of cryptogamic plants from the Ionian Islands. *Transactions of the Linnean society of London* 15: 335-348.
- GRISEBACH A., 1844 — *Spicilegium florum rumelicarum et bithynicarum exhibens synopsis plantarum quas aest. 1839 legit auctor*. Volumen secundum. Brunsvigae, apud Fredericum Vieweg et filium.
- GRUNDMANN M., SCHNEIDER H., RUSSELL S.J. & VOGEL J.C., 2006 — Phylogenetic relationships of the moss genus *Pleurochaete* Lindb. (Bryales: Pottiaceae) based on chloroplast and nuclear genomic markers. *Organisms diversity and evolution* 6: 33-45.
- GUERRA J., JIMÉNEZ M.N., ROS R.M. & CARRIÓN J.S., 1991 — El género *Phascum* (Pottiaceae) en la Península Ibérica. *Cryptogamie, Bryologie-Lichénologie* 12: 379-423.
- GUERRA J., CANO M.J. & ROS R.M., 1995 — El género *Pterygoneurum* (Pottiaceae, Musci) en la Península Ibérica. *Cryptogamie, Bryologie-Lichénologie* 16 (3): 165-175.
- GUERRA J., 2006 — *Aschisma*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 74-76.
- GUERRA J., CANO M.J. & ROS R.M. (eds), 2006 — *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología.
- GUERRA J., CANO M.J., JIMÉNEZ J.A. & GALLEGO M.T., 2007 — Novedades corológicas para la flora briofítica ibérica II. *Anales de biología* 29: 109-110.
- GUERRA J., JIMÉNEZ-MARTÍNEZ J.F., CANO M.J. & BRUGUÉS M., 2008 — Molecular and morphological evidence on the status of *Bryum mildeanum* Jur. and records revision in the Iberian Peninsula. *Journal of bryology* 30: 297-302.
- GUERRA J., 2010a — *Plagiopus*. In: Guerra J., Brugués M., Cano M.J. & Cros R.M. (eds), *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 254-256.

- GUERRA J., 2010b — *Pohlia*. In: Guerra J., Brugués M., Cano M.J. & Cros R.M. (eds), *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 183-206.
- GUERRA J. & CROS R.M., 2010 — *Plagiobryum*. In: Guerra J., Brugués M., Cano M.J. & Cros R.M. (eds), *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 103-105.
- GUERRA J. & GALLEGÓ, M.T., 2010 — *Philonotis*. In: Guerra J., Brugués M., Cano M.J. & Cros R.M. (eds), *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 256-270.
- GUERRA J., GALLEGÓ M.T., JIMÉNEZ J. A. & CANO M.J., 2010a — *Bryum*. In: Guerra J., Brugués M., Cano M.J. & Cros R.M. (eds), *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 105-178.
- GUERRA J., JIMÉNEZ-MARTÍNEZ J.F. & JIMÉNEZ J.A., 2010b — *Neckera baetica* sp. nov. (Neckeraceae, Bryophyta) from southern Spain, based on morphological and molecular data. *Nova Hedwigia* 91: 255-263.
- GUERRA J., BRUGUÉS M., CANO M.J. & CROS R.M. (eds), 2010c — *Flora Briofítica Ibérica, Vol. IV, Funariales, Splachnales, Schistostegales, Bryales, Timmiales*. Murcia, Universidad de Murcia, Sociedad Española de Briología.
- GULIA G., 1858-1859 — *Repertorio di Storia Naturale*. Valletta, Malta, Anglo-Maltese.
- HÁJKOVÁ P., PLÁŠEK V. & HÁJEK M., 2007a — A contribution to the Bulgarian bryoflora. *Phytologia Balcanica* 13 (3): 307-310.
- HÁJKOVÁ P., PLÁŠEK V., HÁJEK M., SHAW B. & HRADÍLEK Z., 2007b — Records 1-32. In: Natcheva R. (compiler), New bryophyte records in the Balkans: 2. *Phytologia Balcanica* 13 (2): 247-259.
- HANDEL-MAZZETTI H. von, 1909 — Musci. In: Handel-Mazzetti H. von, Ergebnisse einer botanischen Reise in das Pontische Randgebirge im Sandschak Trapezunt, unternommen im Jahre 1907, pp. 124-132. *Annalen des naturhistorischen Museums Wien* 23: 6-212.
- HARARAS K.G., 1976 — *Research on the bryophytes of the Island of Corfu (Ionian Islands)*. Athens, Botanical Museum of the University [in Greek].
- HART H.C., 1891 — *Some Account of the Fauna and Flora of Saini, Perta and Wady Arabah*. London, Alexander P. Watt.
- HAUSSKNECHT C., 1899 — Symbolae ad floram Graecam. Aufzählung der im Sommer 1885 in Griechenland gesammelten Pflanzen (Fortsetzung und Schluss). *Mitteilungen des Thüringischen botanischen Vereins, Neue Folge* 13/14: 18-77.
- HÉBRARD J.P. & DESPLANQUES A., 1970 — A propos de la présence de *Ptychomitrium nigricans* Schimp. sur les gisements basaltiques de la région d'Evenos (Var). *Annales de la faculté des sciences de Marseille*, 43 B: 147-163.
- HÉBRARD J.P., 1975 — Contribution à la connaissance de la végétation muscinale des hêtraies de Corse. *Ecologia Mediterranea* 1: 93-108.
- HÉBRARD J.P. 1977 — Contribution à l'étude de la végétation muscinale de quelques formations du maquis corse: les cistaies sèches et les peuplements à *Halimium halimifolium*. *Ecologia Mediterranea* 3: 133-150.
- HÉBRARD J.P., 1978 — Contribution à l'étude de la végétation muscinale des rochers secs siliceux en haute montagne corse. *Bulletin de la société des sciences historiques et naturelles de la Corse* 2-3: 69-82.
- HÉBRARD J.P., 1986 — Note de bryologie corse: muscinées rares, méconnues ou nouvelles pour l'île. *Bulletin de la société botanique du Centre-Ouest* 17: 151-167.
- HÉBRARD J.P., 2000 — *Grimmia nutans* Bruch en France méridionale et *Grimmia elatior* Bruch ex Bals. & de Not., respectivement nouveaux pour la bryoflore d'Europe occidentale et de Corse. *Botanica Helvetica* 110: 115-124.
- HÉBRARD J.P., 2003 — Three localities of *Crossidium aberrans* Holz. & E.B. Bartram in south-eastern France. *Journal of bryology* 25: 61-70.
- HÉBRARD J.P., 2004 — Données sur la chorologie, l'écologie et les effectifs des populations de *Buxbaumia viridis* (Buxbaumiaceae, Musci) en Corse. *Bulletin de la société Linnéenne de Provence* 55: 59-69.
- HEDDERSON T.A., MURRAY D.J., COX C.J. & NOWELL T.L., 2004 — Phylogenetic Relationships of Haplolepidaceous Mosses (Dicranidae) Inferred from *rps4* Gene Sequences. *Systematic botany* 29: 29-41.
- HEDDERSON T.A. & BLOCHEEL T.L., 2006 — *Oncophorus dendrophilus*, a new moss species from Cyprus and Crete. *Journal of bryology* 28: 357-359.
- HEDENÄS L., 1992 — Flora of Madeiran Pleurocarpous mosses (Isobryales, Hypnobryales, Hookeriales). *Bryophytorum bibliotheca* 44: 1-165.

- HEDENÄS L., OLIVÁN G. & ELDENÄS P., 2005 — Phylogeny of the Calliergonaceae (Bryophyta) based on molecular and morphological data. *Plant systematics and evolution* 252: 49-61.
- HEDENÄS L., 2006 — Additional insights into the phylogeny of *Calliergon*, *Loeskygnum*, *Straminergon*, and *Warnstorfia* (Bryophyta: Calliergonaceae). *Journal of the Hattori botanical laboratory* 100: 125-134.
- HEDENÄS L. & ROSBORG C., 2008 — *Pseudocalliergon* is nested within *Drepanocladus* (Bryophyta: Amblystegiaceae). *Lindbergia* 33: 67-74.
- HEDENÄS L., DRAPER I., MILYUTINA I. & IGNATOV M.S., 2012 — ITS and morphology tell different histories about the species of the *Sciuro-hypnum reflexum* complex (Brachytheciaceae, Bryophyta). *The bryologist* 115: 153-172.
- HENDERSON D.M. & MUIRHEAD C.W., 1956 — Eastern Mediterranean bryophytes. *Notes from the Royal botanic garden Edinburgh* 22: 121-129.
- HENDERSON D.M., 1957 — Contributions to the bryophyte flora of Turkey: II. *Notes from the Royal botanic garden Edinburgh* 22: 189-193.
- HENDERSON D.M., 1958 — Contributions to the bryophyte flora of Turkey: III. *Notes from the Royal botanic garden Edinburgh* 22: 611-620.
- HENDERSON D.M., 1964 — Contributions to the bryophyte flora of Turkey: VI. *Notes from the Royal botanic garden Edinburgh* 25: 279-291.
- HENDERSON D.M. & PRENTICE H.T., 1969 — Contributions to the bryophyte flora of Turkey: VIII. *Notes from the Royal botanic garden Edinburgh* 29: 235-262.
- HERAS P., INFANTE M. & BUCK W.R., 2006 — On the presence of *Clasmatodon parvulus* (Bryopsida) in Europe. *Herzogia* 19: 317-321.
- HERAS P., INFANTE M., DICKSON, J.H. & LÉCRIVAIN, G., 2011 — Aportación a la flora briofítica del Principado de Andorra. *Actes del IX Col·loqui Internacional de Botànica Pirenaico-cantàbrica a Ordino, Andorra*. Centre d'Estudis de la Neu i de la Muntanya d'Andorra (CENMA) de l'Institut d'Estudis Andorrans (IEA), pp. 201-208.
- HERRNSTADT I., HEYN C.C., BEN-SASSON R. & CROSBY M.R., 1982 — New records of Mosses from Israel. *The bryologist* 85 (2): 214-217.
- HERRNSTADT I., HEYN C.C. & CROSBY M.R., 1991 — A checklist of the Mosses of Israel. *The bryologist* 94: 168-178.
- HERRNSTADT I. & HEYN C.C., 1999 — Three new taxa of Pottiaceae (Musci) from Israel: *Acaulon longifolium*, *Pottia gemmifera* and *Barbula ehrenbergii* var. *gemmipara*. *Nova Hedwigia* 69: 229-235.
- HERZOG T., 1905 — Ein Beitrag zur Kenntnis der Laub- und Lebermoosflora von Sardinien. *Berichte der Schweizerischen botanischen Gesellschaft* 15: 41-66.
- HERZOG T., 1926 — Die alpine Bryoflora des Monte Gennargentu auf Sardinien. *Botanische Jahrbücher* 60: 570-579.
- HEYN C.C. & HERRNSTADT I., 2004 — *The Bryophyte Flora of Israel and Adjacent Regions*. Jerusalem, The Israel Academy of Sciences and Humanities.
- HESPANOL H., SÉNECA A. & SÉRGIO C., 2010 — Bryophytes from exposed rock outcrops in the north and centre of Portugal: distribution and conservation. *Boletín de la sociedad Española de briología* 34/35: 19-35.
- HILL M.O., BELL N., BRUGGEMAN-NANNENGA M.A., BRUGUÉS M., CANO M.J., ENROTH J., FLATBERG K.I., FRAHM J.-P., GALLEGU M.T., GARILLETI R., GUERRA J., HEDENÄS L., HOLYOAK D.T., HYVÖNEN J., IGNATOV M.S., LARA F., MAZIMPAKA V., MUÑOZ J. & SÖDERSTRÖM L., 2006 — An annotated checklist of the mosses of Europe and Macaronesia. *Journal of bryology* 28: 198-267.
- HÖHNEL F.V., 1895 — Beitrag zur Kenntniss der Laubmoosflora des Hochgebirgstheiles der Sierra Nevada in Spanien. *Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Classe. Abteilung 1*, 104: 297-336.
- HOLMEN K. & RASMUSSEN K., 1971 — *Madeira mosser, en artsliste*. Copenhagen.
- HOLYOAK D.T. & PEDERSEN N., 2007 — Conflicting molecular and morphological evidence of evolution within the Bryaceae (Bryopsida) and its implications for generic taxonomy. *Journal of bryology* 29: 111-124.
- HOLYOAK D.T., 2010 — Notes on taxonomy of some European species of *Ephemerum* (Bryopsida: Pottiaceae). *Journal of bryology* 32: 122-132.
- HOLYOAK D.T. & KÖCKINGER H., 2010 — A taxonomic revision of some European and Asian bulbiferous species of *Anomobryum* (Bryophyta: Bryaceae). *Journal of bryology* 32 (3): 153-169.
- HORTON D.G., 1983 — A revision of the Encalyptaceae (Musci), with particular reference to the North American taxa. Part II. *Journal of the Hattori botanical laboratory* 54: 353-532.
- HÜBSCHMANN A. von, 1973-1974 — Bryologische Studien auf der Azoreninsel São Miguel. *Revista da faculdade de ciências de Lisboa, Sér. 2. C* 17: 627-702.

- HUGONNOT V., 2008 — *Crossidium seriatum* Crum & Steere exclu de la bryoflore de France, nouvelle localité de *Tortula brevissima* Schiffn. dans le Finistère. *Bulletin de la société botanique du Centre-Ouest*, N.S. 39: 563-564.
- HUSNOT T., 1876 — Guide du Bryologue dans les Pyrénées. *Revue bryologique* 3: 7-11, 69-71.
- HUTTUNEN S. & IGNATOV M.S., 2010 — Evolution and taxonomy of aquatic species in the genus *Rhynchostegium* (Brachytheciaceae, Bryophyta). *Taxon* 59: 791-808.
- IGNATOV M.S. & MILYUTINA I.A., 2007 — On *Sciuro-hypnum oedipodium* and *S. curtum* (Brachytheciaceae, Bryophyta). *Arctoa* 16: 47-61.
- IGNATOV M.S., GARDINER A.A., BOBROVA V.K., MILYUTINA I.A., HUTTUNEN S. & TROITSKY A.V., 2007 — On the relationships of mosses of the order Hypnales, with special reference to taxa traditionally classified in Leskeaceae. In: Newton A.E. & Tangney R. (eds), *Pleurocarpous mosses: systematics and evolution*. Boca Raton, CRC Press, pp. 177-213.
- IGNATOVA E. & MUÑOZ J., 2005 — The genus *Grimmia* Hedw. in Russia. *Arctoa* 13: 101-182.
- IMAM M. & GHABBOUR S.I., 1972 — A contribution to the moss flora of Egypt. *Botaniska Notiser* 125: 518-522.
- INFANTE M. & HERAS P., 2005 — *Ephemerum cohaerens* (Hedw.) Hampe and *E. spinulosum* Bruch & Schimp. (Ephemeraceae, Bryopsida), new to the Iberian Peninsula. *Cryptogamie, Bryologie* 26: 327-333.
- JEANBERNAT E., 1864. — Rapport sur l'herborisation faite le 18 juillet au Port de Venasque et à Penna-Blanca. *Bulletin de la société botanique de France* 11: 92-103.
- JELENC F., 1955 — Muscinées de l'Afrique du Nord (Algérie, Tunisie, Maroc, Sahara). *Société de géographie et d'archéologie de la Province d'Oran* 72, 73, 74, 75, 76: 1-152.
- JELENC F., 1959 — Contribution à l'étude de la Flore bryologique du Tibesti (2 fascicule). *Bulletin de la société d'histoire naturelle de l'Afrique du Nord* 50: 262-269.
- JELENC F., 1967 — Muscinées de l'Afrique du Nord (Supplément). *Revue bryologique et lichénologique* 35: 186-215.
- JIMÉNEZ J.A., ROS R.M., CANO M.J. & GUERRA J., 2002 — Contribution to the bryophyte flora of Morocco: terricolous and saxicolous bryophytes of the Jbel Bouhalla. *Journal of bryology* 24: 243-250.
- JIMÉNEZ J.A., ROS R.M., CANO M.J. & GUERRA J., 2003 — *Didymodon nicholsonii* Culm. (Pottiaceae, Musci): new taxonomical, chorological and ecological data. *Cryptogamie, Bryologie* 24 (3): 277-281.
- JIMÉNEZ J.A., ROS R.M., CANO M.J. & GUERRA J., 2004 — New distribution data on *Didymodon anserinocapitatus* (X. J. Li) R. H. Zander, *D. maschalogen* (Renauld & Cardot) Broth. and *D. sicculus* M. J. Cano *et al.* (Bryophyta, Pottiaceae). *Cryptogamie, Bryologie* 25 (1): 91-97.
- JIMÉNEZ J.A., ROS R.M., CANO M.J. & GUERRA J., 2005 — A new evaluation of the genus *Trichostomopsis* (Pottiaceae, Bryophyta). *Botanical journal of the Linnean society* 147: 117-27.
- JIMÉNEZ J.A., 2006a — *Didymodon*. In: Guerra J., Cano M.J. & Ros R.M. (eds), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 217-244.
- JIMENÉZ J.A., 2006b — Taxonomic revision of the genus *Didymodon* Hedw. (Pottiaceae, Bryophyta), in Europe, North Africa, and Southwest and Central Asia. *Journal of the Hattori botanical laboratory* 100: 211-292.
- JIMÉNEZ FERNÁNDEZ J.A. & SKRZYPCZAK R., 2003 — Présence de *Didymodon sicculus* Cano *et al.* (Bryopsida, Pottiaceae) en France. *Bulletin de la société botanique du Centre-Ouest*, N. S. 34: 307-312.
- JONES E.W. (ed.), 1956 — Notes on plants contributed. *Transactions of the British bryological society* 3: 164-167.
- JOVET-AST S., 1955 — Muscinées du Grand-Atlas marocain (Récoltes de C. Guinet et F. Vaillant). *Comptes-rendus des séances de la société des sciences naturelles et physiques du Maroc* 2: 36-38.
- JURATZKA J., 1861 — II. Muscos frondosos. In: Reichardt H.W., Juratzka J., Gottsche C.M. & Grunow A., *Specimen florae cryptogamae septem insularum editum juxta plantas Mazzarianas herbarii Heufleuriani et speciatim quoad filices herbarii Tommasiniani. Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien*: 413-416.
- JURATZKA J., 1865 — Hepaticae et Musci Frondosi. In: Unger F. & Kotschy T., *Die Insel Cypren, ihrer physischen und organischen Natur nach mit Rücksicht auf ihre frühere Geschichte*. Wien, pp. 166-173.

- JURATZKA J. & MILDE J., 1870 — Beitrag zur Moosflora des Orientes. Kleinasien, das westliche Persien und den Caucasus umfassend. *Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien* 20: 589-602.
- KARA R., EZER T. & DÜZENLI A., 2008 — *Pyramidula tetragona* (Funariaceae) new to Turkey. *The bryologist* 111: 494-495.
- KELLMANN K., 2011 — A synopsis of recent literature on the genus *Syntrichia* in the Northern Hemisphere (<http://bryolog.com/kellmansyntrichia.pdf>) Accessed the 10/10/2011.
- KERN F., 1908 — Die Moosflora der Karnischen Alpen. *Jahresbericht der Schlesischen Gesellschaft für Vaterländische Kultur* 2: 2-14.
- KINDBERG N.C., 1887 — Contributions à la flore bryologique de la Grèce. *Revue bryologique* 14: 52-54.
- KIRMACI M. & AĞCAGIL E., 2009 — The bryophyte flora in the urban area of Aydin (Turkey). *International journal of botany* 2009: 1-10.
- KIRMACI M., ERDAĞ A. & ÇETIN M., 2009 — Two new records to the bryophyte flora of Turkey: *Crossidium crassinerve* (De Not.) Jur. and *C. laxifilamentosum* Frey et Kürschner (Pottiaceae, Bryophyta). *Cryptogamie, Bryologie* 30: 383-388.
- KÖCKINGER H., WERNER O. & ROS R.M., 2010 — A new taxonomic approach to the genus *Oxystegus* (Pottiaceae, Bryophyta) in Europe based on molecular data. *Nova Hedwigia, Beiheft* 138: 31-48.
- KÖCKINGER H. & KUČERA J., 2011 — *Hymenostylium xerophilum*, sp. nov., and *H. gracillimum*, comb. nov., two neglected European mosses and their molecular affinities. *Journal of bryology* 33 (3): 195-209.
- KÖCKINGER H., SCHRÖCK C., KRISAI, R. & ZECHMEISTER H.G., 2012a — Checklist of Austrian Bryophytes (<http://131.130.59.133/projekte/moose/>). Accessed the 03/04/2012.
- KÖCKINGER H., KUČERA J., HOFMANN H., MÜLLER N. & AMANN G., 2012b — *Barbula consanguinea* (Thwaites & Mitt.) A. Jaeger, discovered in Switzerland and Austria, with a revision of former European records of *B. indica* (Hook.) Spreng. *Herzogia* 25: 61-70.
- KOPONEN T., 1981 — A synopsis of Mniaceae (Bryophyta). VI. Southeast Asian taxa. *Acta botanica Fennica* 117: 1-34.
- KOPONEN T. & ISOVIITA P., 2010 — *Philonotis capillaris* Lindb. and *P. arnellii* Husn.; one moss, two names. *Cryptogamie, Bryologie* 31 (1): 75-94.
- KOPPE F., 1965 — Bryologische Beobachtungen auf der Insel Mallorca. *Botaniska Notiser* 118: 25-48.
- KOPPE F., 1972 — Weitere Beobachtungen über die Verbreitung von *Grimmia pitardii*. *Herzogia* 2: 331-334.
- KOPPE F., 1976 — Beobachtungen über die Moosvegetation und Moosflora von Zypern. *Herzogia* 4: 95-136.
- KOPPE F. & DÜLL R., 1986a — Beiträge zur Moosflora von Gran Canaria. *Bryologische Beiträge* 6: 49-57.
- KOPPE F. & DÜLL R., 1986b — Beiträge zur Moosflora Madeiras. *Bryologische Beiträge* 6: 32-48.
- KOŠNAR J. & KOLÁŘ F., 2009 — A taxonomic study of selected European taxa of the *Tortula muralis* (Pottiaceae, Musci) complex: variation in morphology and ploidy level. *Preslia* 81: 399-421.
- KOŠNAR J. & KUČERA J., 2010 — The taxonomic identity and typification of *Barbula montenegrina* Breidl. & Szyszyl. (Bryopsida, Pottiaceae). *Journal of bryology* 32: 275-278.
- KRAMER W., 1980 — *Tortula* Hedw. Sect. *Rurales* De Not. (Pottiaceae, Musci) in der ostlichen Holarktis. *Bryophytorum bibliotheca* 21: 1-165.
- KRAUSE W., LUDWIG W. & SEIDEL F., 1963 — Zur Kenntnis zur Flora und Vegetation auf Serpentinstandorten des Balkans. 6. Vegetationsstudien in der Umgegend von Mantoudi (Euböa). *Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie* 82: 337-403.
- KRUIJER J.D., 1997 — The origin of *Hypopterygium* populations in some European Botanic Gardens, with special reference to *Hypopterygium atrotheca* Dix. *Glasgow naturalist* 23: 11-17.
- KUČERA J., 1998 — *Gymnostomum lanceolatum* Cano, Ros & Guerra (Pottiaceae, Musci) also in Turkey and Croatia. *Journal of bryology* 20: 515-516.
- KUČERA J., 2000 — Illustrierter Bestimmungsschlüssel zu den mitteleuropäischen Arten der Gattung *Didymodon*. *Meylania* 19: 2-19.
- KUČERA J., 2002 — Illustrerad bestänningsnyckel till *Didymodon* I norra Europa. *Myrnia* 12: 1-40.
- KÜRSCHNER H., 1995 — *Weissia ovatifolia* (Pottiaceae, Musci), eine neue Art aus dem Edomitischen Bergland Jordaniens. *Nova Hedwigia* 60: 499-504.
- KÜRSCHNER H., 1996 — Towards a bryophyte flora of the Near and Middle East. New records from Iran, Jordan, Kuwait, Lebanon, Oman, Saudi Arabia, Syria, and Turkey. *Nova Hedwigia* 63: 261-271.

- KÜRSCHNER H., 1998 — *Hymenostylium hildebrandtii* (C. Müll.) Zander (Pottiaceae, Musci), and further new and interesting records to the moss flora of Yemen and Socotra. *Studies in Arabian bryophytes* 22. *Nova Hedwigia* 67: 457-467.
- KÜRSCHNER H., 2000a — Bryophyte flora of the Arabian Peninsula and Socotra. *Bryophytorum bibliotheca* 55: 1-131.
- KÜRSCHNER H. 2000b — Towards a bryophyte flora of the Near and Middle East 2. New moss records from Syria. *Nova Hedwigia* 71: 121-129.
- KÜRSCHNER H. & ERDAĞ A., 2005 — Bryophytes of Turkey: an annotated reference list of the species with synonyms from the recent literature and an annotated list of Turkish bryological literature. *Turkish journal of botany* 29: 95-154.
- KÜRSCHNER H., FREY W., LOBO S., LUÍS L., FONTINHA S. & SIM-SIM M., 2008 — New data on bryophytes from the Ilhas Desertas (Madeira Archipelago). *Nova Hedwigia* 87 (3-4): 529-543.
- KÜRSCHNER H. & ERDAĞ A., 2009 — The *Grimmietum commutato-campestris* in Turkey. Ecology and life syndromes of a saxicolous bryophyte community with the description of two new subassociations. *Nova Hedwigia* 88: 441-463.
- KÜRSCHNER H., 2010 — Amendments to the bryophyte flora of Lebanon, based on collections of C. B. Arzeni 1962-1964. *The bryologist* 113: 717-720.
- KÜRSCHNER H. & FREY W., 2011 — Liverworts, Mosses and Hornworts of Southwest Asia (Marchantiophyta, Bryophyta, Anthocerotophyta). *Nova Hedwigia, Beiheft* 139: 1-240.
- LABBE A., 1953 — Contribution à la connaissance des Bryophytes de Tunisie. I. Bryophytes nouveaux pour la flore tunisienne. *Revue bryologique et lichénologique* 22: 200-201.
- LACOIZQUETA J.M., 1885 — Catálogo de las plantas del Valle de Vertizarana. *Anales de historia natural* 1885: 191-204.
- LAFLIN T., 1973 — Bryophytes new to Crete. *Journal of bryology* 7: 417-420.
- LANFRANCO E., 1989 — The Flora. In: Schembri P.J. & Sultana J. (eds), *The Red Data Book for the Maltese Islands*. Malta, Department of Information, pp. 5-70.
- LARA F., BLOCKEEL T.L., GARILLETI R. & MAZIMPAKA V., 2003 — Some interesting *Orthotrichum* species from mainland Greece and Evvia. *Journal of bryology* 25: 129-134.
- LARA F., PUNTILLO D., GARILLETI R. & MAZIMPAKA V., 2004a — *Orthotrichum gymnostomum* Brid. and other interesting *Orthotrichaceae* from Calabria (Italy). *Cryptogamie, Bryologie* 25 (4): 349-356.
- LARA F., GARILLETI R., MAZIMPAKA V. & LO GIUDICE R., 2004b — Some new and interesting *Orthotrichum* from Italy. *Braun-Blanquetia* 34: 11-13.
- LARA F., GARILLETI R., MEDINA R. & MAZIMPAKA V., 2009a — A new key to the genus *Orthotrichum* in Europe and the Mediterranean Region. *Cryptogamie, Bryologie* 30 (1): 129-142.
- LARA F., MAZIMPAKA V., ESTÉBANEZ B. & GARILLETI R., 2009b — *Orthotrichum consobrinum* Card. in Western Europe and South Western Asia. *Journal of bryology* 31: 80-85.
- LARA F., MAZIMPAKA V., MEDINA R., CAPPARRÓS R. & GARILLETI R., 2010 — Northeastern Turkey, an unnoticed but very important area for the Orthotrichaceae (Bryophyta). *Nova Hedwigia, Beiheft* 138: 165-180.
- LEWINSKY J., 1993 — Notes on some species of *Orthotrichum* Hedw. (Musci) from Europe, Caucasus and North Africa. *Bryobrothera* 2: 71-76.
- LINDBERG S.O., 1881 — De Cryphaeis europaeis. *Meddelanden af Societas pro Fauna et Flora Fennica* 6: 71-75.
- LIU Y., BUDKE J.M. & GOFFINET B., 2012 — Phylogenetic inference rejects sporophyte based classification of the Funariaceae (Bryophyta): rapid radiation suggests rampant homoplasy in sporophyte evolution. *Molecular phylogenetics and evolution* 62 (1): 130-145.
- LLORET F., 1989 — Briófitos del alto valle del Ter. *Orsis* 4: 11-45.
- LO GIUDICE R. & PRIVITERA M., 1979 — La flora muscinale della Valle S. Giacomo (Etna). *Revue bryologique et lichénologique* 45: 453-466.
- LO GIUDICE R. & PRIVITERA M., 1981 — Contributo alla conoscenza della brioflora cavernicola dell'Etna. *Archivio botanico e biogeografico Italiano* 57: 171-192.
- LO GIUDICE R. & PRIVITERA M., 1987 — Sulla florula e vegetazione briofitica della grotta Garrone (M.te Pizzuta) Piana degli Albanesi. *Bollettino dell'accademia Gioenia di scienze naturali* 20 (330): 165-170.
- LO GIUDICE R. & CRISTAUDO A., 2004 — Chorological and ecological survey on the vascular and bryophytic flora in Enna territory (Erei Mountains, C-Sicily). *Flora Mediterranea* 14: 357-417.
- LO GIUDICE R., GUELI L. & POLIZZI M.D., 2004 — Ricerche biogeografiche ed ecologiche sulla brioflora dei Monti Nebrodi (Sicilia settentrionale). *Braun-Blanquetia* 31: 63-77.

- LO GIUDICE R., GUELI L. & CRISTAUDO A., 2005 — *Seligeria pusilla* (Seligeriaceae) and *Barbula trifaria* var. *desertorum* (Pottiaceae) new mosses to Sicily. *Flora Mediterranea* 15: 615-620.
- LO MANTO G. & PROVENZANO F., 2004 — First record of *Syntrichia papillosissima* (Pottiaceae, Musci) in Sicily. *Flora Mediterranea* 14: 291-294.
- LOBO C., SIM-SIM M., LUÍS L. & STECH M., 2011 — Chorological data and threat status evaluation of *Fissidens* species (Fissidentaceae, Bryophyta) on Madeira Archipelago. *Nova Hedwigia* 92 (1-2): 121-131.
- LOISEAU J.E. & PIERROT R.B., 1986 — Bryophytes récoltées au cours de la 11^e session extraordinaire de la S.B.C.O. en Corse (1984). *Bulletin de la société botanique du Centre-Ouest* 17: 169-171.
- LOJACONO POJERO M., 1883-1884 — Primo elenco briologico di Sicilia. *Il Naturalista Siciliano* 3: 62-66, 97-101.
- LOJACONO POJERO M., 1886 — Secondo elenco briologico di Sicilia. *Il Naturalista Siciliano* 5: 245-248.
- LONG D.G., CRUNDWELL A.C. & TOWNSEND C.C., 1981 — New records of bryophytes from the Canary Islands. *Journal of bryology* 11: 521-536.
- LORENTZ P.G., 1868 — Über die Moose, die Herr Ehrenberg in den Jahren 1820-1826 in Ägypten, der Sinaihalbinsel und Syrien gesammelt. *Abhandlungen der Königlich akademie der Wissenschaften* 1868: 1-57.
- LOSA M. & MONTSERRAT P., 1952 — Aportación al conocimiento de la flora de Andorra. *Actas del Primer Congreso Internacional de Pirineo del Instituto de Estudios Pirenaicos* 3: 35-212.
- LOSADA-LIMA A., DIRKSE G.M. & RODRÍGUEZ-NÚÑEZ S., 2004 — División Bryophyta. In: Izquierdo I., Martín J.L., Zurita N. & Arechavaleta M. (eds.), *Lista de especies silvestres de Canarias (hongos, plantas y animales terrestres)*. La Laguna, Consejería de Política Territorial y Medio Ambiente Gobierno de Canarias, pp. 85-95.
- LOSADA-LIMA A., DIRKSE G.M., RODRÍGUEZ-NÚÑEZ S. & GONZÁLEZ-MANCEBO J.M., 2010 — Anthocerotophyta, Marchantiophyta, Bryophyta. In: Arechavaleta M., Rodríguez S., Zurita N. & García A. (coords.), *Lista de especies silvestres de Canarias. Hongos, plantas y animales terrestres. 2009*. La Laguna, Consejería de Política Territorial y Medio Ambiente Gobierno de Canarias, pp. 106-119.
- LÜBENAU R. & LÜBENAU K., 1968 — Ein Beitrag zur Moosflora der Äolischen Inseln Lipari, Vulcano und Stromboli. In: Geologisch-Botanische Exkursionen auf Äolischen Inseln. Ostern 1968. *Mitteilungen des naturwissenschaftlichen Arbeitskreises Kempten (Allgäu)* 13 (2): 82-97.
- LUÍS L., SIM-SIM M., FONTINHA S. & HOLYOAK D.T., 2008 — New data on ripicolous bryophytes from Madeira. *Cryptogamie, Bryologie* 29 (4): 393-396.
- LUÍS L., BERGAMINI A., FIGUEIRA R. & SIM-SIM M., 2010 — Ripicolous bryophyte communities in Madeira Island: Patterns and determinants of species richness. *Journal of bryology* 32 (1): 32-45.
- LUISIER A., 1924 — Musci Salmanticensis. *Memorias de la real academia de ciencias exactas, físicas y naturales de Madrid* 3: 1-280.
- LUISIER A., 1931 — Les Mousses de l'Archipel de Madère et en general des îles Atlantiques. *Brotéria. Sér. Botânica* 25: 5-20, 123-139.
- LUISIER A., 1932 — Les Mousses de l'Archipel de Madère et en general des Îles Atlantiques. *Brotéria. Ciências naturais* 1: 164-182.
- LUISIER, A. 1943 — Recherches bryologiques récentes à Madère. IV. *Brotéria. Ciências naturais* 12: 135-144.
- LUISIER, A. 1953 — Recherches bryologiques récentes à Madère. VI. *Brotéria. Ciências naturais* 22: 178-191.
- LÜTH M., 2002 — *Cinclidous confertus* (Musci, Cinclidotaceae), a new species from Greece. *Cryptogamie, Bryologie* 23: 11-16.
- LÜTH M., 2003 — Moose in der Umgebung des Dorfes Vikos, im Vikos-Aoos Nationalpark (NW Griechenland). *Archive for bryology* 2: 1-25.
- LÜTH M., 2007 — Additions to the bryophyte flora of Bulgaria. *Cryptogamie, Bryologie* 28 (3): 237-241.
- LÜTH M. & FRAHM J.-P., 2008 — New and interesting records of bryophytes from Crete. *Herzogia* 21: 247-250.
- MACHADO A., 1914 — Notas de Briologia Minhotá. *Annaes scientificos da academia polytechnica do Porto* 9: 135-140.
- MACHADO A., 1917 — Notes de Bryologie portugaise. *Boletim da sociedade Portuguesa de ciencias naturais* 8: 43-45.
- MACHADO A., 1932 — Sinopse das Briófitas de Portugal. 2a parte (continuação). Coimbra, pp. 188.

- MAGILL R.E., 2007 — Encalyptaceae Schimper. In: Flora of North America Editorial Committee (ed.), *Flora of North America North of Mexico. Bryophytes: Mosses, Part 1*. Volume 27. New York, Oxford University Press, pp. 170-179.
- MAHEU J., 1912 — Exploration et flore souterraine des cavernes de Catalogne et des Iles Baléares. *Spelunca* 8: 361-465.
- MAIRE R., 1924 — Études sur la végétation et la flore du Grand Atlas et du Moyen Atlas Marocaines. *Mémoires de la société des sciences naturelles du Maroc* 7: 137-140.
- MAIRE R., 1934 — Contribution à la flore cryptogamique du Maroc. *Bulletin de la société d'histoire naturelle de l'Afrique du Nord* 25: 40-60.
- MAIER E. & GEISSLER P., 1995 — *Grimmia* in Mitteleuropa: Ein Bestimmungsschlüssel. *Herzogia* 11: 1-80.
- MAIER E., 2002 — *Grimmia dissimulata* E. Maier sp. nova, and the taxonomic position of *Grimmia trichophylla* var. *meridionalis* Müll. Hal. (Musci, Grimmiaceae). *Candollea* 56: 281-300.
- MAIER E., 2010 — The genus *Grimmia* Hedw. (Grimmiaceae, Bryophyta) — A morphological-anatomical study. *Boissiera* 63: 5-377.
- MANSI M.M., 1988 — *Studies on the bryoflora of Southern Sinai*. Master of Science Thesis. Ismaellia, Egypt, Suez Canal University, Faculty of Sciences, Botany Department.
- MARKA J. & SABOVLJEVIĆ M., 2011 — New bryophyte records from Albania. *Journal of bryology* 33 (1): 74-76.
- MARTINČIĆ A., 2003 — List of the Slovenian mosses. *Hacquetia* 2 (1): 91-166.
- MARTINČIĆ A., 2009 — Contributions to the bryophyte flora of Republic of Macedonia. *Hacquetia* 8 (2): 97-114.
- MASSARI M., 1897 — Contribuzione alla briologia pugliese e sarda. *Nuovo giornale botanico Italiano* 4: 317-352, 357-385.
- MASTRACCI M., 2001 — Taxonomic status of *Thamnum cossyrense* and *T. cossyrense* var. *melitense* (Bryopsida). *Annales botanici Fennici* 38: 45-46.
- MASTRACCI M., 2003 — *Thamnobryum neckeroides* (Bryopsida: Neckeraceae): lectotypification, synonymies, diagnostic characters, habitat and distribution. *Journal of bryology* 25: 115-120.
- MAZIMPAKA V., LARA F., GARILLETI R., INFANTE M. & HERAS P., 1999 — *Orthotrichum casasianum*, a new epiphytic moss from humid forests of Northern Spain. *Journal of bryology* 21: 47-53.
- MAZZIARI A.D., 1851 — Flora Septinsularis. In: Stephanides T., 1948 — A survey of the freshwater biology of Corfu and of certain regions of Greece. *Praktika of the Hellenic hydrobiological institute* 2: 187-202.
- MAZZOLENI S., ESPOSITO A., CASTALDO-COBIANCHI R. & BLASI C., 1993 — Bryophyte populations in Mediterranean environments. Relationships to vascular vegetation and disturbance patterns. *Phytocoenologia* 21 (4): 369-385.
- MCINTOSH T.T., 2007 — Funariaceae Schwägrichen. In: Flora of North America Editorial Committee (ed.), *Flora of North America. Bryophytes: Mosses, Part 1*. Volume 27. New York, Oxford University Press, pp. 180-199.
- MEDELIUS S., 1927 — Contribution de la flore bryologique de la Crète. *Svensk botanisk tidskrift* 21: 45-48.
- MERINO P., 1916 — Contribución a la Muscología de la Península Ibérica. *Boletín de la real sociedad Española de historia natural* 16: 270-276.
- MEYLAN C., 1931 — Liste des cryptogames récoltés au Maroc de 1923 à 1928 par MM. E. Wilczek et D. Dutoit. *Bulletin de la société des sciences naturelles du Maroc* 11: 115-116.
- MIFSUD S., 2012 — An update on the moss flora of the Maltese islands. *Cryptogamie, Bryologie*, 33(4): 405-418.
- MITTEN W., 1870 — Musci, Hepaticae. In: Godman F. (ed.), *Natural History of the Azores on Western Islands*. London, pp. 286-328.
- MONTAGNE J.F.C., 1840 — Plantae cellulares. In: Webb P.B. & Berthelot S., *Histoire Naturelle des Iles Canaries*. Paris.
- MORIS G.G., 1829 — *Stirpium sardoarum elenchus*. Cagliari.
- MULLER S.D., DAOUD-BOUATTOUR A., BELOUAHEM-ABED D., BEN HAJ JILANI I., BEN SAAD-LIMAM S., BENSLAMA M., FERCHICHI-BEN JAMAA H., RHAZI L. & GHRABI-GAMMAR Z., 2010 — Peat mosses (*Sphagnum*) and related plant communities of North Africa. I. The Numidian-Kroumirian range (Algeria-Tunisia). *Flora Mediterranea* 20: 159-178.
- MULLER S.D., RHAZI L., SABER, E.-R., RIFAI N., DAOUD-BOUATTOUR A., BOTTOLLIER-CURTET M., BEN SAAD-LIMAM S. & GHRABI-GAMMAR Z., 2011 — Peat mosses (*Sphagnum*) and related plant communities of North Africa. II. The Tingitanean-Rifan range (northern Morocco). *Nova Hedwigia* 93 (3-4): 335-352.
- MÜLLER C., 1855 — De muscis novis, incomplete descriptis, neglectis criticisve. *Botanische Zeitung* 13: 745-752.

- MÜLLER C., 1858 — De muscis novis, imcomplete descriptis, neglectis criticisve. *Botanische Zeitung* 13: 745-754.
- MÜLLER C., 1874 — Die Moose der Rohlfs'schen Expedition nach der libyschen Wüste. *Flora* 57: 481-485.
- MÜLLER F., 1998 — Four new bryophytes for Turkey: *Bazzania flaccida* (Dum.) Grolle, *Leiocolea bantiensis* (Hook.) Joerg., *Brachythecium geheebii* Milde and *Plagiothecium laetum* B. S. G. *Journal of bryology* 20: 516-518.
- MÜLLER F.A., 1829 — Erstes Verzeichniss sardinischer Laubmoose, wie auch derjenigen welche von meinem Freunde Herrn Fleischer bei Smyrna aufgefunden worden sind, nebst Beschreibungen und Abbildungen einiger neuer Arten. *Flora* 12: 385-410.
- MUÑOZ J. & ALDASORO J.J., 1995 — *Sphagnum majus* subsp. *norvegicum* and *Sphagnum subtile* New to the Iberian Peninsula. *The bryologist* 98: 38-40.
- MUÑOZ J., 1998 — A taxonomic revision of *Grimmia* subgenus *Orthogrimmia* (Musci, Grimmiaceae). *Annals of the Missouri botanical garden* 85: 367-403.
- MUÑOZ J., 1999 — A revision of *Grimmia* (Musci, Grimmiaceae) in the Americas. 1. Latin America. *Annals of the Missouri botanical garden* 86: 118-191.
- MUÑOZ J., 2000 — Proposal to conserve the name *Grimmia poecilostoma* Cardot & Sebillé (Musci, Grimmiaceae). *Taxon* 49: 287-288.
- MUÑOZ J. & PANDO F., 2000 — A world synopsis of the genus *Grimmia*. *Monographs in systematic botany from the Missouri botanical garden* 83: 1-133.
- MUÑOZ J., ESPANHOL H., CEZÓN K. & SENECA A., 2009 — *Grimmia horrida* (Grimmiaceae), a new species from the Iberian Peninsula. *The bryologist* 112: 325-328.
- NATCHEVA R., 2005 — Three new species for the bryophyte flora of Bulgaria. *Phytologia Balcanica* 11 (1): 33-34.
- NATCHEVA R. & GANEVA A., 2005 — Check-list of the bryophytes of Bulgaria. II. Musci. *Cryptogamie, Bryologie* 24 (3): 229-239.
- NATCHEVA R. & GANEVA A., 2006 — Bryophytes on loess cliffs in Bulgaria – a preliminary study. *Phytologia Balcanica* 12 (1): 47-50.
- NATCHEVA R., 2007 — *Dichelyma falcatum*: a new aquatic moss to the bryophyte flora of Bulgaria. *Phytologia Balcanica* 13 (3): 311-312.
- NATCHEVA R. & GANEVA A., 2007 — New species to the bryophyte flora of Bulgaria. *Phytologia Balcanica* 13 (2): 137-140.
- NATCHEVA R., COŞKUN M. & ÇAYIR A., 2008 — Contribution to the bryophyte flora of European Turkey. *Phytologia Balcanica* 14: 335-341.
- NATURAL HISTORY MUSEUM, UNIVERSITY OF OSLO, 2012 — Check List of Norwegian Mosses (http://nhm2.uio.no/botanisk/mose/tax_brya.htm and http://nhm2.uio.no/botanisk/mose/tax_spha.htm). Accessed the 03/04/2012.
- NICHOLSON W.E., 1907a — Contributions to a list of the mosses and hepatics of Majorca. *Revue bryologique* 34: 1-6.
- NICHOLSON W.E., 1907b — Mosses and hepatics from Crete. *Revue bryologique* 34: 81-86.
- NICHOLSON W.E., 1921 — Bryological notes from Sicily. *Revue bryologique et lichénologique* 48: 38-43.
- NIEUWKOOP J. & ARTS T., 1995 — Additions to the bryophyte flora of Madeira. *Lindbergia* 20: 35-39.
- NIZAM A.A. & AL-ARAJ B., 1999 — Contribution in Bryidae study in Syria. *Journal of Damascus university for basic sciences* 15: 165-186.
- NÓBREGA M., 1990 — Contribuição para a flora das muscíneas da Madeira. *Boletim do museu municipal do Funchal* 8: 22-32.
- NOGUEIRA G. B. S., 1958 — Notas briológicas IV. *Boletim da sociedade Broteriana*, Sér. 2, 32: 199-210.
- NYHOLM E., 1975 — *Illustrated Moss Flora of Fennoscandia*. II. Musci, Fasc.1, 2nd Edition. Lund, Botanical Society of Lund, Swedish Natural Sciences Research Council.
- OBERDORFER E., 1965 — Pflanzensoziologischen Studien auf Teneriffa und Gomera (Kanarischen Inseln). *Beiträge zur Naturkundlichen Forschung in Südwestdeutschland* 24 (1): 47-104.
- OCHI H., 1972 — A revision of African Bryoideae, Musci (First part). *Journal of the faculty of education, Tottori university, natural science* 23: 1-126.
- OCHYRA R., 1995 — The taxonomic status of *Amblystegium burnatii* (Amblystegiaceae) an endemic Egyptian moss. *Fragmenta floristica et geobotanica* 40: 201-202.
- OCHYRA R., ŻARNOWIEC J. & BEDNAREK-OCHYRA H., 2003 — *Census Catalogue of Polish Mosses*. Kraków, Polish Academy of Sciences, Institute of Botany.
- OCHYRA R., STEBEL A. & BEDNAREK-OCHYRA H., 2008 — The genus *Hymenoloma* (Bryophyta, Seligeriaceae) in the Polish Carpathians. In: Stebel A. & Ochyra R. (eds.), *Bryophytes of the Polish Carpathians*. Poznań, Sorus, pp. 211-225.

- OCHYRA R. & BEDNAREK-OCHYRA H., 2011 — Lectotypification of *Hypnum boreale* (Bryopsida), an early name for a bryalean species and its taxonomic status. *Nova Hedwigia* 93 (3-4): 525-536.
- OLIVÁN G., FUERTES E. & ACÓN M., 2007 — *Hygrohypnum* (Amblystegiaceae, Bryopsida) in the Iberian Peninsula. *Cryptogamie, Bryologie* 28 (2): 109-143.
- OLSSON S., RUMSEY F., GRUNDMANN M., RUSSEL S., ENROTH J. & QUANDT D., 2009 — The origin of the British and Macaronesian endemic *Thamnobryum* species (Neckeraceae). *Journal of bryology* 31 (1): 1-10.
- OLSSON S., ENROTH J., BUCHBENDER V., HEDENÄS L., HUTTUNEN S. & QUANDT D., 2011 — *Neckera* and *Thamnobryum* (Neckeraceae, Bryopsida) – paraphyletic assemblages. *Taxon* 60: 36-50.
- ÖREN M., UYAR G. & KEÇELİ T., 2010 — *Anomodon longifolius* (Anomodontaceae, Bryopsida) new to the bryophyte flora of Turkey. *Turkish Journal of botany* 34: 141-145.
- ORGAZ J.D., CANO M.J. & GUERRA J., 2010 — *Brachytheciastrum dieckei* (Röll) Ignatov & Huttunen (*Brachytheciaceae*) in the east Mediterranean area and the Middle East. *Nova Hedwigia* 90: 257-261.
- ORGAZ J.D., CANO M.J. & GUERRA J., 2011 — *Sciuro-hypnum* (*Brachytheciaceae*) in the Mediterranean region. *The bryologist* 114 (3): 595-610.
- ORGAZ ÁLVAREZ J.D. & BLOCKEEL T.L., 2010 — A note on some new and interesting records of *Brachythecium* Schimp. *sensu lato* from Greece. *Journal of bryology* 32: 298-300.
- ORLANDO A.M. & RAIMONDO F.M., 1977 — Briofite dell'erbario siculo dell'Orto Botanico di Palermo. *Il Naturalista Siciliano* 1: 47-58.
- O'SHEA B., 2006 — Checklist of the mosses of sub-Saharan Africa (version 5, 12/06). *Tropical bryology research reports* 6: 1-252.
- ÖZDEMİR T. & ÇETİN B., 1999 — The moss flora of Trabzon and environs. *Turkish journal of botany* 23: 391-404.
- ÖZDEMİR T. & BATAN N., 2008 — Contribution to the moss flora of Giresun region (Şebinkarahisar and Alucra district). *Pakistan journal of biological sciences* 11: 1987-1993.
- ÖZDEMİR T. & KOZ B., 2008 — Contribution to the moss flora of Dereği, Giresun district (Turkey). *Acta botanica Hungarica* 50: 171-180.
- ÖZDEMİR T. & UYAR G., 2008 — *Campylopus flexuosus* (Hedw.) Brid. (Dicranaceae, Bryopsida), a new record in Turkey. *Cryptogamie, Bryologie* 29: 401-404.
- ÖZDEMİR T., KOZ B. & BATAN N., 2008 — *Didymodon asperifolius* (Pottiaceae, Bryophyta) new to the moss flora of Turkey and southwestern Asia. *Cryptogamie, Bryologie* 29: 311-312.
- PAMPANINI R., 1914 — *Plantae Tripolitaniae*. Firenze.
- PAMPANINI R., 1931 — *Prodromo della Flora Cirenaica*. Forli.
- PAPP B., TSAKIRI E. & BABALONAS D., 1998 — Bryophytes and their environmental conditions at Enipeas (Mt. Olympus) and Lykorrema (Mt. Ossa) streams (Greece). In: Tsekos I. & Moustakas M. (eds.), *Progress in botanical research. Proceedings of the 1st Balkan Botanical Congress*. Dordrecht, Boston, London, Kluwer Academic Publishers, pp. 129-132.
- PAPP B., LÖKÖS L., RAJCZY M., CHATZINIKOLAKI E. & DAMANAKIS M., 1999 — bryophytes and lichens of some phrygana and maquis stands of Crete (Greece). *Studia Botanica Hungarica* 29: 69-78.
- PAPP B., 2003 — New records of bryophytes from Crete. *Studia botanica Hungarica* 34: 27-31.
- PAPP B. & SABOVLJEVIĆ M., 2003 — Contribution to the bryophyte flora of Turkish Thrace. *Studia botanica Hungarica* 34: 43-54.
- PAPP B., 2004 — Contributions to the bryoflora of the Pontic Mts., North Anatolia, Turkey. *Studia botanica Hungarica* 35: 81-89.
- PAPP B., GANEVA A. & NATCHEVA R., 2006 — Bryophyte vegetation of Iskur River and its main tributaries. *Phytologia Balcanica* 12 (2): 181-189.
- PAPP B., 2007 — Reports 1-7. In: Natcheva R., Tsakiri E. & Dihoru G. (compilers), New bryophyte records in the Balkans: 1. *Phytologia Balcanica* 13 (1): 101-106.
- PAPP B. & ERZBERGER P., 2009 — Contribution to the bryophyte flora of South-Eastern Serbia: Suva Planina Mts and its surroundings. *Studia botanica Hungarica* 40: 125-142.
- PAPP B. & SABOVLJEVIĆ M., 2009 — Notes on some new and interesting bryophyte records from Croatia. *Journal of bryology* 31: 272-275.
- PAPP B. & ERZBERGER P., 2010 — Contributions to the bryophyte flora of Durmitor National Park, Montenegro. *Nova Hedwigia, Beiheft* 138: 147-163.
- PAPP B., NATCHEVA R. & GANEVA A., 2011 — The bryophyte flora of Northern Mt. Strandzha Mt. *Phytologia Balcanica* 17 (1): 21-32.
- PARRIAT H., 1951 — Les espèces alpines et boréales-alpines de la flore corse. *Revue bryologique et lichénologique* 20: 21-33.
- PAVIĆ S., SABOVLJEVIĆ M. & STEVANOVIĆ V., 1998 — Diversity and threat status of Yugoslav bryoflora. *Lindbergia* 23: 38-44.

- PAVLETIĆ Z., 1955 — *Prodromus flore briofita Jugoslavije*. Zagreb, JAZU, knj. 3.
- PENTCOST A. & ZHAOHUI Z., 2002 — Bryophytes from some travertine depositing sites in France and the U.K.: relationships with climate and water chemistry. *Journal of bryology* 24: 233-241.
- PERICÁS J., 2008 — New bryophyte records of the Balearic Islands. *Cryptogamie, Bryologie* 29: 99-102.
- PERICÁS J. & ROSSELLÓ J.A., 2009 — New and interesting records to the bryophyte flora of the Balearic Islands. *Cryptogamie, Bryologie* 30: 501-505.
- PERSSON H., 1939a — Contribution à la flore bryologique des Iles Canaries. *Revue bryologique et lichénologique* 11: 143-153.
- PERSSON H., 1939b — Bryophytes from Madeira. *Botaniska Notiser*: 556-589.
- PETROV S., 1960 — Contribution à la flore bryologique de l'Albanie. *Revue bryologique et lichénologique* 29: 212-234.
- PIERROT R.B., 1988 — L'année bryologique 1987. *Bulletin de la société botanique du Centre-Ouest*, N.S. 19: 239-244.
- PIERROT R.B., 2000 — Contribution au Catalogue des Bryophytes de l'Afrique septentrionale. *Bulletin de la société botanique du Centre-Ouest*, N.S. 31: 475-476.
- PIIPPO S., 1983 — On the taxonomy, nomenclature and distribution of *Brachythecium starkei* and related taxa. *Annales Botanici Fennici* 20: 339-49.
- PÓCS T., 2007 — Bryophyte communities at the edge of Tunisian Sahara, with the description of *Gymnostomum viridulum* Brid. subsp. *saharae*, subsp. nov. (Pottiaceae, Bryophyta). *Nova Hedwigia, Beiheft* 131: 101-120.
- PODPĚRA J., 1954 — *Conspectus Muscorum Europaeorum*. Praha, Nakladatelství Československé Akademie Věd.
- PODPĚRA J., 1955 — *Bryum* generis monographiae prodromus. 1. Species Eurasiae septentrionalis, Pars 9. *Acta Academiae Scientiarum Českoslovenicae basis Brunensis* 27 (3): 105-156.
- POTIER DE LA VARDE R., 1945 — Formes atlantiques de trois mousses des Açores. *Revue bryologique et lichénologique* 15: 40-45.
- POTIER DE LA VARDE R., 1949 — Nouveaux éléments de la flore tunisienne. *Revue bryologique et lichénologique* 28: 82.
- PRESTON C.D., 1984 — A check-list of Greek mosses. *Journal of bryology* 13: 43-95.
- PRESTON C.D. & BLOCKEEL T.L., 2006 — Field meeting, February-March 2006, Salerno-Italy. *Bulletin of the british bryological society* 90: 38-45.
- PREUSS F. & DÜLL R., 1995 — Moose von Cephalinia. Bryophytes of Cephalinia. *Bryologische Beiträge* 10: 178-191.
- PRIVITERA M. & PUGLISI M., 1994 — *Octodiceras fontanum* (Musci): a new record from Sicily. *Flora Mediterranea* 4: 171-174.
- PRIVITERA M. & PUGLISI M., 1996 — La vegetazione briofitica dell'Etna (Sicilia, Italia). *Braun-Blanquetia* 19: 1-59.
- PRIVITERA M. & PUGLISI M., 1997 — Noteworthy orophilous mosses from Mount Etna (Sicily). *Bocconea* 5 (2): 905-911.
- PRIVITERA M. & PUGLISI M., 1998 — First records of two species of *Bryum* (Bryaceae) from Sicily. *Webbia* 52 (2): 207-211.
- PRIVITERA M. & PUGLISI M., 2000a: *Crossidium geheebii* (Broth.) Broth. (Musci, Pottiaceae), a new record from Europe. *Cryptogamie, Bryologie* 21 (2): 171-177.
- PRIVITERA M. & PUGLISI M., 2000b — A new record for the European moss flora: *Pseudocrossidium replicatum* (Taylor) Zander (Pottiaceae, Musci). *Nova Hedwigia* 70 (3-4): 479-484.
- PRIVITERA M. & PUGLISI M., 2002 — Some interesting records for the Italian moss flora. *Cryptogamie, Bryologie* 23 (2): 171-179.
- PRIVITERA M. & PUGLISI M., 2009 — The circum-Sicilian islands as important refuge areas for some remarkable bryophytes. *Plant biosystems* 143, *Supplement*: 126-135.
- PUCHE F., 2006 — *Seligeria*. In: Cros R.M. & Brugués M. (eds.), *Flora Briofítica Ibérica. Seligeriaceae*, Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 10-23.
- PUCHE F., BARRÓN A., BRUGUÉS M., CANO M.J., DRAPER I., EDERRA A., ESTÉBANEZ B., GALLEGO M.T., GIMENO C., GUERRA J., JIMÉNEZ J.A., LARA F., MEDINA R. & MEDINA N.G., 2006 — Aportaciones al conocimiento de la flora briológica española. Nótula XVI: Musgos y Hepáticas del Alto Tajo (Cuenca, Guadalajara, Teruel). *Boletín de la sociedad Española de briología* 28: 87-94.
- PUGLISI M., 2009 — New interesting records to the moss flora of Sicily (Italy). *Cryptogamie, Bryologie* 30 (3): 395-398.
- PUNTILLO D., 2004 — *Crossidium aberrans* Holz. & Bartr. (Musci, Pottiaceae) a new record from Italy. *Braun-Blanquetia* 34: 45-46.

- RAFFAELLI M., 1972 — Il genere “*Sphagnum*” L. in Sardegna. Un’interessante novità per la flora dell’isola. *Webbia* 27: 257-272.
- RAIMONDO F.M. & DIA M.G., 1978 — Note briogeografiche. I. Il genere *Sphagnum* L. in Sicilia. *Il Naturalista Siciliano*, S. 4, 2 (3-4): 109-126.
- RAIMONDO F.M. & DIA M.G., 1981 — Ricerche sulla brioflora delle Madonie. *Webbia* 35: 87-131.
- RAJCZY M., 1979 — Contributions to the bryoflora of Greece, I. The bryophytes of the cave Perama near Joannina. *Studia botanica Hungarica* 13: 3-5.
- RAMS S., ROS R.M., CANO M.J. & GUERRA J., 2001 — Checklist de los briófitos de Sierra Nevada (Andalucía, España). *Boletín de la sociedad Española de briología* 18-19: 137-164.
- RAMS S., ROS R.M., WERNER O. & SHAW A.J., 2006 — *Tortella alpicola* (Pottiaceae) from Spain, new to western Europe. *The bryologist* 109: 404-407.
- RAMS SÁNCHEZ S., 2007 — Estudios briológicos sobre flora, vegetación, taxonomía y conservación en Sierra Nevada (Andalucía, S de España). Tesis Doctoral. Murcia, Universidad de Murcia.
- RAUH W., 1952 — Bemerkenswerte Neufunde von Moosen und Farnen im Hohen Atlas von Marokko. *Berichten der deutschen botanischen Gesellschaft* 65: 79-83.
- REIMERS H., 1956 — Beiträge zur Moosflora von Italien. *Willdenowia* 1: 533-562.
- REFAI M.S. & EL-SAADAWI W.E., 2000 — Contributions to the moss flora of the Isthmic Desert, Sinai, Egypt. *Taekholmia* 15: 139-146.
- REFAI M.S., 2001 — Contributions to the moss flora of the Egyptian Oases. 2- Siwa Oasis. *Taekholmia* 21: 291-302.
- REIMERS H., 1957 — Einige bemerkenswerte Moose des östlichem Mediterrangebiets. *Willdenowia* 1: 689-703.
- REINOSO J. & VIERA M.C., 1996 — *Bryum algovicum* Sendtn. ex C. Müll. var. *rutheanum* (Warnst.) Crundw. and *Bryum violaceum* Crundw. & Nyh., two mosses new to Spain. *Journal of bryology* 19: 357-358.
- RENAULD F., 1883 — Notice sur la section *Limnobium* du genre *Hypnum*. *Revue bryologique* 10: 41-52.
- RICHARDS P.W., 1937. A collection of bryophytes from the Azores. *Annales bryologici* 9: 131-138.
- RODRÍGUEZ Y FEMENÍAS J.J., 1904 — *Flórla de Menorca*. Mahón.
- RÖLL J., 1897 — Beiträge zur Laubmoos- und Torfmoosflora von Österreich. *Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien* 47: 659-671.
- RON E., GÓMEZ D. & FERNÁNDEZ-MENDOZA F., 2006 — *Pleurochaete*. In: Guerra J., Cano M.J. & Ros R.M. (eds.), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 60-63.
- ROS R.M., CANO M.J. & GUERRA J., 1999 — Bryophyte checklist of Northern Africa. *Journal of bryology* 21: 207-244.
- ROS R.M., CANO M.J., MUÑOZ J. & GUERRA J., 2000 — Contribution to the Bryophyte Flora of Morocco: the Jbel Toubkal. *Journal of bryology* 22: 285-291.
- ROS R.M. & WERNER O., 2007 — The circumscription of the genus *Pottiopsis* (Pottiaceae, Bryophyta) based on morphology and molecular sequence data. *Nova Hedwigia, Beiheft* 131: 65-79.
- ROS R.M., MAZIMPAKA V., ABOU-SALAMA U., ALEFFI M., BLOCKEEL T.L., BRUGUÉS M., CANO M.J., CROS R.M., DIA M.G., DIRKSE G.M., EL SAADAWI W., ERDAĞ A., GANEVA A., GONZÁLEZ-MANCEBO J.M., HERRNSTADT I., KHALIL K., KÜRSCHNER H., LANFRANCO E., LOSADA-LIMA A., REFAI M. S., RODRÍGUEZ-NUÑEZ S., ŠABOVLEVIĆ M., SÉRGIO C., SHABBARA H.M., SIM-SIM M. & SÖDERSTRÖM L., 2007a — Hepatics and Anthocerotae of the Mediterranean, an annotated checklist. *Cryptogamie, Bryologie* 28: 351-437.
- ROS R.M., RAMS S., HOLYOAK D.T., BRUGUÉS M. & CROS R.M., 2007b — Revision of the records of *Brachymenium commutatum* (Bryophyta, Bryaceae) in Europe. *Nova Hedwigia* 84: 241-247.
- ROS R.M. & CANO M.J., 2008 — Identity of North African endemic bryophytes, 2. *Cryptogamie, Bryologie* 29: 135-141.
- ROS R.M., MUÑOZ J., WERNER O. & RAMS S., 2008 — New typifications and synonyms in *Tortula* sect. *Pottia* (Ehrh. ex Rchb.) Kindb. (Pottiaceae, Musci). *Taxon* 57: 279-288.
- ROS R.M. & HERRNSTADT I., 2010 — New taxonomical data in the genus *Tortula* (Pottiaceae, Bryophyta). *Tropical bryology* 31: 150-153.
- ROSSELLÓ J.A., 1981 — Notes sobre la brioflora balear. 1. Briófitos noves per Balears. *Bolletí de la societat d’història natural de les Balears* 25: 39-52.
- ROSSELLÓ J.A., 1984 — Notes sobre la Brioflora Balear. 2. *Bolletí de la societat d’història natural de les Balears* 28: 135-137.
- ROSSELLÓ J.A., 1986 — Notas sobre la Brioflora Balear. 4. *Acta botanica Malacitana* 11: 77-82.
- ROSSELLÓ J.A., 1987 — Notas sobre la Brioflora Balear. 5. *Acta botanica Malacitana* 12: 81-86.

- ROTH G., 1904-1905 — *Die Europäischen Laubmoose*. 1-2. Lipsia.
- ROTH G., 1909 — Neuere und noch weniger bekannte Europäische Laubmoose. *Hedwigia* 49 (4-5): 213-229.
- ROUMEGUÈRE C., 1870 — Bryologie du département de l'Aude. *Mémoires de la société des arts et des sciences de Carcassonne* 3: 371-468.
- RUÍZ E., BRUGUÉS M. & CASAS C., 2006 — *Hypnum uncinatum* Jur. new to peninsular Spain. *Cryptogamie, Bryologie* 27: 399-402.
- RUMSEY F.J. & VOGEL J.C., 1999 — *Tetrastichium fontanum* (Mitt.) Card. new to mainland Europe. *Journal of bryology* 21: 72-73.
- RUNGBY S., 1959 — A contribution to the bryophytic flora of the Near East and the Middle East. *botaniska Notiser* 112: 80-84.
- RUNGBY S., 1962 — A contribution to the bryophytic flora of Spain and Morocco, especially the area between Gandia and Alcoy. *Botaniska Notiser* 115: 61-64.
- RUNGBY S., 1967 — Mosses new to Crete. *Botaniska Notiser* 120: 236-237.
- RUSSEL J.L., 1862 — Some notes on the cryptogamic vegetation of Faial. *Proceedings of the Essex institute* 2: 134-137.
- SABOVLJEVIĆ M. & STEVANOVIĆ V., 1999 — Moss Conspectus of Federal Republic of Yugoslavia. *Flora Mediterranea* 9: 65-95.
- SABOVLJEVIĆ M. 2006 — The check list of mosses of Croatia. *Archives of biological sciences* 58: 45-53.
- SABOVLJEVIĆ M., NATCHEVA R., DIHORU G., TSAKIRI E., DRAGIĆEVIĆ S., ERDAĀ A. & PAPP B., 2008a — Check-list of the mosses of SE Europe. *Phytologia Balcanica* 14 (2): 207-244.
- SABOVLJEVIĆ M., TSAKIRI E. & SABOVLJEVIĆ A., 2008b — Towards the bryophyte flora of Greece, studies in the Chalkidiki area (North Greece). *Cryptogamie, Bryologie* 29: 143-155.
- SÁEZ L., FRAGA P. & ROSSELLÓ J.A., 1998 — Bryological Notes. Some interesting bryophyte records for the Balearic Islands. *Journal of Bryology* 20: 506-508.
- SÁEZ L., CASAS C., CROS R.M. & BRUGUÉS M., 2002 — New bryological data for the Balearic Islands. *Cryptogamie, Bryologie* 23: 181-187.
- SÁEZ L., BRUGUÉS M., CASAS C., CROS R.M. & BALAGUER P., 2006a — Briófitos nuevos o interesantes para las Islas Baleares. *Boletín de la sociedad Española de briología* 28: 11-23.
- SÁEZ L., BRUGUÉS M., CASAS C., CROS R.M. & BALAGUER P., 2006b — New bryological data from Balearic Islands. II. *Cryptogamie, Bryologie* 27: 387-394.
- SALMON E.S., 1900 — Bryological notes. 1. *Cinclidotus pachyloma* sp. nov. *Revue bryologique et lichénologique* 27: 59-65.
- SAUER E., 1995 — Beitrag zur Moosflora Griechenlands. Contribution to the Bryophyte-Flora of Greece. *Bryologische Beiträge* 10: 209-217.
- SAVAROGLU F. & TOKUR S., 2006 — The moss flora (Musci) of the Sündiken Mountains. *Turkish Journal of botany* 30: 137-148.
- SCHIFFNER V., 1896 — Über die von Sintenis in Türkisch-Armenien gesammelten Kryptogamen. *Österreichische botanische Zeitschrift* 46: 274-278.
- SCHIFFNER V., 1901 — Einige Materialien zur Moosflora des Orients. *Österreichische botanische Zeitschrift* 51: 156-161.
- SCHIFFNER V., 1913 — Bryophyta aus Mesopotamien und Kurdistan, Syrien, Rhodos, Mytilini und Prinkipo. Gesammelt von Dr. Heinrich Frh. v. Handel-Mazzetti (Wissenschaftliche Ergebnisse der Expedition nach Mesopotamien, 1910). *Annalen des naturhistorischen Museums in Wien* 27: 472-504.
- SCHIFFNER V., 1915 — Die von J. Dörfler im Jahre 1904 auf Kreta gesammelten Moose. *Österreichische botanische Zeitschrift* 65: 1-12.
- SCHIFFNER V. & BAUMGARTNER J., 1919 — Beiträge zur Kenntnis der Flora Griechenlands. B. Leber- und Laubmoose. *Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien* 69: 313-341.
- SCHIMPER W.P., 1864 — Bryologica. *Flora* 47: 209-215.
- SCHIMPER W.P., 1876 — *Synopsis muscorum europaeorum*. Vol. II. Editio Secunda. Stuttgartiae, Sumptibus Librariae E. Schweizerbart.
- SCHWAB G. & HAUSTEIN B., 1984 — Die von Dr. W. Hillebrand 1877-1882 auf den Kanaren und Madeiren gesammelten Moose (Bryophyta: Hepaticae et Musci). *Courier Forschungsinstitut Senckenberg* 71: 113-124.
- SÉNECA A. & DANIELS E., 1994 — Four boreal sphagna new for the Portuguese mountains and *Sphagnum molle* in the coastal plain. *Journal of bryology* 18: 369-372.
- SÉNECA A. & SÖDERSTRÖM L., 2009 — Sphagnophyta of Europe and Macaronesia: a checklist with distribution data. *Journal of bryology* 31 (4): 243-254.
- SÉRGIO C., 1968-1969 — Notes sur quelques Muscinées du Portugal. *Revue bryologique et lichénologique* 36: 628-630.

- SÉRGIO C., 1969 — Contribuição para o conhecimento da Flora Briológica de Portugal — III. *Anuário da sociedade Broteriana* 35: 9-40.
- SÉRGIO C., 1976 — Deux nouveautés pour la flore bryologique des Açores: *Kiaeria blyttii* (B. S. G.) Broth. et *Orthodicranum flagellare* (Hedw.). *Boletim da sociedade Broteriana*, Sér. 2, 50: 99-105.
- SÉRGIO C., 1981 — Une nouvelle mousse de Madère *Thamnobryum fernandesii* n. sp. *Boletim da sociedade Broteriana*, Sér. 2, 53: 1123-1136.
- SÉRGIO C. & SIM-SIM M., 1984 — *Dialytrichia mucronata* (Brid.) Broth. au Portugal et à Madère. Taxonomie, écologie, adaptation à la sécheresse. *Cryptogamie, Bryologie-Lichénologie* 5: 87-98.
- SÉRGIO C., SIM-SIM M., CASAS C., CROS R.M. & BRUGUÉS M., 1984 — A vegetação briológica das formações calcárias de Portugal-II. O Barrocal Algarvio e o Promontório Sacro. *Boletim da sociedade Broteriana*, Sér. 2, 57: 275-307.
- SÉRGIO C. & NÓBREGA M., 1985 — Notulae Bryoflorae Macaronesicae. I. 4. — Novos elementos para a flora briológica da Madeira. *Portugaliae acta biologica* (B) 14: 176-179.
- SÉRGIO C., SIM-SIM M., CASAS C., BRUGUÉS M. & CROS R.M., 1988 — A vegetação briológica das formações calcárias de Portugal-IV. O Maciço Calcário Estremenho. Serras de Aire, Candeeiros e Sicó. *Memórias da sociedade Broteriana* 28: 93-135.
- SÉRGIO C. & MÁGUAS C., 1991 — *Orthothecium duriae* (Mont.) Besch. novo para a flora portuguesa. In: Notulae Bryoflorae Lusitanicae III. 1. *Portugaliae acta biologica* (B) 15: 409-411.
- SÉRGIO C. & CASAS C., 1992 — *Mielichhoferia mielichhoferiana* (Funck.) Loeske um novo musgo para a brioflora portuguesa. In: Notulae Bryoflorae Lusitanicae IV.1. *Portugaliae acta biologica* (B) 16: 173-175.
- SÉRGIO C., HÉBRARD J.P. & CASAS C., 1993 — *Acaulon fontiquerianum* Casas et Sérgio (Musci, Pottiaceae) nouveau pour la bryoflore du Portugal, de France et de Corse. *Orsis* 8: 11-19.
- SÉRGIO C. & FONTINHA S., 1994 — Significado biogeográfico de briófitos novos ou pouco conhecidos para a Ilha da Madeira. *Studia botanica* 13: 195-198.
- SÉRGIO C., FONTINHA S. & NÓBREGA M., 1994a — Três Pottiaceae novas ou raras para a brioflora da ilha da Madeira. *Phascum leptophyllum* C. Müll., *Tortula bolanderi* (Lesq. et James) Howe e *Gyroweisia reflexa* (Brid.) Schimp. In: Notulae Bryoflorae Macaronesicae III. 1. *Revista de biologia (Lisboa)* 15: 181.
- SÉRGIO C., JANSEN J. & MUNÓZ J., 1994b — Duas novas espécies de *Grimmia* para a Serra da Estrela e para Portugal. In: Notulae Bryoflorae Lusitanicae V. 7. *Revista de biologia (Lisboa)* 15: 200-201.
- SÉRGIO C., 2001 — *Leptodontium flexifolium* (With.) Hampe novo elemento para a brioflora da Madeira. In: Notulae Bryoflorae Macaronesicae V. 1. *Anuário da sociedade Broteriana* "2000" 65: 89.
- SÉRGIO C. & PURSELL R.A., 2001 — *Fissidens jansenii* (Fissidentaceae, Bryopsida), a new aquatic species from Portugal. *The bryologist* 104: 378-381.
- SÉRGIO C., CROS, R.M., BRUGUÉS M. & GARCIA C., 2001a — A brioflora de enclaves com *Prunus lusitanica* L. no Parque Natural da Serra da Estrela. *Boletín de la sociedad Española de briología* 18/19: 5-14.
- SÉRGIO C., GARCIA C., JANSEN J. & SIM-SIM M., 2001b — Novos dados para a brioflora da Serra da Estrela ou de Portugal. In: Notulae Bryoflorae Lusitanicae VII. 5. *Anuário da sociedade Broteriana* "1999" 65: 99-100.
- SÉRGIO C., BRUGUÉS M. & CROS R.M., 2001c — New data concerning extinct bryophytes on the Iberian Red List. *Novitates botanicae ex universitate Carolina* 15: 95-105.
- SÉRGIO C. & CARVALHO S., 2003 — Annotated Catalogue of Portuguese Bryophytes. *Portugaliae acta biologica* 21: 5-230.
- SÉRGIO C. & JIMÉNEZ-FERNÁNDEZ J.A., 2003 — Acerca de la identidad de *Didymodon soaresii* Luisier. *Boletín de la sociedad Española de briología* 22-23: 7-10.
- SÉRGIO C., BRUGUÉS M. & RUÍZ E., 2003 — Uma nova espécie de *Sphagnum* rara em Portugal: *Sphagnum fallax* (H. Klinggr.) H. Klinggr. In: Notulae Bryoflorae Lusitanicae IX. 4. *Portugaliae acta biologica*. 21: 289-290.
- SÉRGIO C., 2006 — A review of the *Gymnostomum calcareum* Nees & Hornsch. complex (Bryopsida:Pottiaceae) in southern Europe and the Macaronesian Islands, including *G. calcareum* var. *atlanticum* var. nov. *Journal of bryology* 28: 38-45.
- SÉRGIO C., BRUGUÉS M., CROS R.M., GARCIA C. & LOURO T., 2006a — A new important mediterranean area for bryophytes in Portugal: Barrancos (Baixo Alentejo). *Boletín de la sociedad Española de briología* 29: 25-33.
- SÉRGIO C., GARCIA C. & NETO C., 2006b — De Novarum Flora Lusitana Commentarii – VII In memoriam A. R. Pinto da Silva (1912-1992): 21. New interesting mosses occurring on moist calcareous cliffs in West Coast of Portugal. *Silva Lusitana* 14: 265-267.

- SÉRGIO C., SIM-SIM M. & CARVALHO M., 2006c — Annotated catalogue of Madeiran bryophytes. *Boletim do museu municipal do Funchal (História Natural) Suplemento nº 10*: 1-162.
- SÉRGIO C. & CASAS C., 2007 — *Pohlia filum* (Schimp.) Martensson (Bryaceae) nova espécie para a brioflora portuguesa. In: *Notulae Bryoflorae Lusitanicae X 6. Portugaliae acta biologica* 22: 199.
- SÉRGIO C. & PISTOOR S.J., 2007 — *Didymodon australasiae* (Hook. & Grev.) R.H. Zander (Pottiaceae), uma nova espécie para Portugal. In: *Notulae Bryoflorae Lusitanicae X 8. Portugaliae acta biologica* 22: 200-201.
- SÉRGIO C. & SILVA I., 2007 — *Brachytheciastrum olympicum* (Jur.) Vanderp. *et al.* (Brachytheciaceae) novo musgo para a flora briológica Portuguesa. In: *Notulae Bryoflorae Lusitanicae X 10. Portugaliae acta biologica* 22: 202-204.
- SÉRGIO C., BRUGUÉS M. & CASAS C., 2007a — *Trichostomum tenuirostre* (Hook. & Taylor) Lindb. (Pottiaceae) nova espécie para a brioflora de Portugal Continental. *Boletín de la sociedad Española de briología* 30: 57-59.
- SÉRGIO C., BRUGUÉS M., CROS R.M., CASAS C. & GARCIA C., 2007b — The 2006 Red List and an updated checklist of bryophytes of the Iberian Peninsula (Portugal, Spain and Andorra). *Lindbergia* 31: 109-126.
- SÉRGIO C., SIM-SIM M., FONTINHA S. & FIGUEIRA R., 2008 — The bryophytes (Bryophyta) of the Madeira and Selvagens archipelagos. In: Borges P.A.V., Abreu C., Aguiar A.M.F., Carvalho P., Jardim R., Melo, I., Oliveira, P., Sérgio C., Serrano A.R.M. & Vieira P. (eds.), *A list of the terrestrial fungi, flora and fauna of Madeira and Selvagens archipelagos*. Funchal and Angra do Heroísmo, Direcção Regional do Ambiente da Madeira and Universidade dos Açores, pp. 145-156.
- SÉRGIO C., CASAS C., BRUGUÉS M., CROS R.M. & LOURO T., 2009 — New localities for *Bryum cyclophyllum* (Bryaceae) in the Iberian Peninsula. *The bryologist* 112: 169-172.
- SÉRGIO C., SIM-SIM M. & LUÍS L., 2010 — *Atrichum androgynum* (Müll. Hal.) A. Jaeger in Portugal, Azores and Madeira, new to the European bryoflora. *Cryptogamie, Bryologie* 31 (3): 281-288.
- SÉRGIO C., STOW S. & GARCIA C., 2011 — New distribution data on *Plagiomnium undulatum* var. *madeiraense* T. J. Kop. & Sérgio. *Journal of bryology* 33 (4): 324-325.
- SÉRGIO C. & STOW S., 2013 — Some bryophyte species to be excluded from the Portuguese bryoflora. *Portugaliae acta biologica* 24. In press.
- SHABBARA H.M., 1999 — Three new records of Funariaceae from Egypt. *Journal of bryology* 21: 151-155.
- SHABBARA H.M., 2006 — Rare but interesting moss records from Egypt. *Taekholmia* 26: 121-129.
- SHABBARA H.M. & EL-SAADAWI W., 2006 — Mosses from Gebel Maghara with new records for Isthmic desert and Egypt. *Cryptogamie, Bryologie* 27 (2): 91-102.
- SHABBARA H.M. & GHANEM S., 2006 — *Fabronia Raddi* (Musci) in Libya. *Egyptian journal of biology* 8: 100-105.
- SHABBARA H.M., REFAI M.S. & IBRAHIM M., 2006 — Three New Records of Pottiaceae (Musci) from Egypt. *Egyptian journal of biology* 8: 91-99.
- SHABBARA H.M., 2007 — The status of *Trichostomopsis* Cardot (Musci) in Egypt. *El-Menia Science Bulletin* 18: 116-132.
- SHABBARA H.M., ABOU SALAMA U.Y. & TAHA M.A., 2009 — *Weissia sinaloensis* E.B. Bartram, a moss new to Egypt and North Africa. *Taekholmia* 29: 29-37.
- SHAW A.J., 1987 — Systematic studies on the Bryaceae. *Memoirs of the New York botanical garden* 45: 682-690.
- SIBTHORP J. & SMITH J.E., 1816 — *Flora Graecae Prodromus, sive plantarum omnium enumeratio, quas in provinciis aut insulis Graeciae invenit Johannes Sibthorp, M.D.* Vol. II. Londini, Typis Richardi Taylor et Socii.
- SICKENBERGER E., 1901 — Contribution à la Flore d'Égypte. *Mémoires de l'Institut d'Égypte* 4: 1-167.
- SILVEIRA T., 1937 — Flora briológica. Espécies novas para os Açores. *Açoreana* 1: 240-247.
- SIM-SIM M., LUÍS L., GARCIA C., FONTINHA S., LOBO C., MARTINS S. & STECH M., 2008 — New data on the status of threatened bryophytes of Madeira Island. *Journal of bryology* 30: 226-228.
- SIMÓ R.M., 1977 — Catálogo de briófitos recolectados por Durieu de Maisonneuve en la Península Ibérica. *Acta phytotaxonomica Barcinonensis* 21: 53-69.
- SIMÓ R.M. & VIGÓN E., 1977 — Briófitos de Asturias nuevos o escasamente representados en la flora española. *Acta phytotaxonomica Barcinonensis* 21: 89-100.
- SJÖGREN E., 1990 — Bryophyte flora and vegetation on the island of Graciosa (Azores), with remarks on floristic diversity of the Azorean islands. *Arquipélago. Life and Earth Sciences* 8: 63-96.

- SJÖGREN, E. 1995 — Report on investigations of the bryoflora and bryovegetation in 1995 on the Azorean Islands of Faial, S. Jorge, Pico and Flores. LIFE Project. Angra do Heroísmo, Departamento de Ciências Agrárias, Universidade dos Açores.
- SJÖGREN E., 2001 — Distribution of Azorean bryophytes up to 1999, their island distribution and information on their presence elsewhere, including Madeira and the Canary Islands. *Boletim do museu municipal do Funchal suplemento N° 7*: 1-89.
- SKRZYPCZAK R., 1998 — Présence de *Bryum minii* Podp. en France. *Bulletin de la société botanique du Centre-Ouest*, N. S. 29: 477-478.
- SKRZYPCZAK R. 2004 — Présence de *Didymodon glaucus* Ryan en France. *Bulletin de la société botanique du Centre-Ouest*, N. S. 35: 353-357.
- SKRZYPCZAK R. & SAPALY J., 2005 — *Claopodium whippleanum* (Sull. in Whipple & Ives) Ren. & Card. en Lozère (France). *Bulletin de la société botanique du Centre-Ouest*, N. S. 36: 539-544.
- SKRZYPCZAK R., 2006 — *Syntrichia caninervis* var. *astrakhanica* Ignatov, Ignatova & Suragina en France. *Bulletin de la société botanique du Centre-Ouest*, N. S. 37: 365-370.
- SKRZYPCZAK R. 2007 — *Barbula amplexifolia* (Mitt.) A.Jaeger présent en France (Savoie). *Bulletin de la société botanique du Centre-Ouest*, N. S. 38: 321-326.
- SMITH A.J.E., 1978 — *The moss flora of Britain and Ireland*. 1st edition Cambridge, Cambridge University Press.
- SMITH A.J.E., 2004 — *The moss flora of Britain and Ireland*. Cambridge. 2nd edition. Cambridge, Cambridge University Press.
- SMOOKLER M.M., 1967 — *Bryophyte report. Chelsea College Azores Expedition, 1965*. London, Chelsea College of Science and Technology, University of London.
- SOLMS-LAUBACH H., 1868 — *Halis Tentamen Bryo-Geographiae Algarviae, Regni Lusitani Provinciae*. Typis Orphanotrophei, Halis.
- SOMMIER S. & CARUANA GATTO A., 1915 — *Flora Melitensis Nova*. Firenze Stab. Pallas.
- SOMMIER S., 1916. Osservazioni sulla flora Maltese. *Nuovo giornale botanico italiano, Nuova Serie*, 23: 295-326.
- SORIA A., GÓMEZ D., RON E. & GUERRA J., 2006 — *Timmiella*. In: Guerra J., Cano M.J. & Ros R.M. (eds.), *Flora Briofítica Ibérica, Vol. III, Pottiales, Encalyptales*. Murcia, Universidad de Murcia, Sociedad Española de Briología, pp. 20-25.
- SOTIAUX A., PIOLI A., ROYAUD A., SCHUMACKER R. & VANDERPOORTEN A., 2007 — A checklist of the bryophytes of Corsica (France): new records and a review of the literature. *Journal of bryology* 29: 41-53.
- SOTIAUX A., SOTIAUX O. & VANDERPOORTEN A., 2008 — Additions to the bryophyte flora of Corsica. *Cryptogamie, Bryologie* 29: 267-274.
- SOTIAUX A., ENROTH J., OLSSON S., QUANDT D. & VANDERPOORTEN A., 2009. When morphology and molecules tell us different stories: A case-in-point with *Leptodon corsicus*, a new and unique endemic moss species from Corsica. *Journal of bryology* 31: 186-196.
- SPITALE D., JIMÉNEZ J.A. & KÖCKINGER H., 2012 — The rare moss *Didymodon johansenii* (R.S. Williams) H.A. Crum in the Italian and Austrian Alps. *Cryptogamie, Bryologie* 33: 141-147.
- STECH M., ROS R.M. & WERNER O., 2001 — The taxonomic status of *Thamnobryum maderense* (Kindb.) Hedenäs (Bryopsida) as inferred from molecular data. *Nova Hedwigia* 72: 251-257.
- STECH M., SIM-SIM M. & FRAHM J.-P., 2007 — *Campylopus* (Leucobryaceae, Bryopsida) on Madeira Island — Molecular relationships and biogeographic affinities. *Nova Hedwigia, Beiheft* 131: 91-100.
- STECH M., SIM-SIM M., ESQUÍVEL M.G., FONTINHA S., TANGNEY R., LOBO C., GABRIEL R. & QUAND D., 2008 — Explaining the “anomalous” distribution of *Echinodium* (Bryopsida: Echinodiaceae): Independent evolution in Macaronesia and Australasia. *Organisms, diversity & evolution* 8: 282-292.
- STECH M., SIM-SIM M. & KRUIJER H.J.D., 2010 — *Campylopus* Brid. (Leucobryaceae) in Macaronesia revisited. *Tropical bryology* 31: 154-163.
- STECH M., WERNER O., GONZÁLEZ-MANCEBO J.M., PATIÑO J., SIM-SIM M., FONTINHA S., HILDEBRANDT I. & ROS R.M., 2011 — Phylogenetic inference in *Leucodon* Schwägr. subg. *Leucodon* (Leucodontaceae, Bryophyta) in the North Atlantic region. *Taxon* 60 (1): 79-88.
- STECH M., MCDANIEL S.F., HERNÁNDEZ-MAQUEDA R., ROS R.M., WERNER O., MUÑOZ J. & QUANDT D., 2012 — Phylogeny of haplolepideous mosses – challenges and perspectives. *Journal of bryology* 34 (3):173-186.
- STREIFF A., 2006 — Phylogenetic study of *Grimmia* (Grimmiaceae) based on plastid DNA sequences (*trnL-trnF* and *rps4*) and on morphological characters. *The bryologist* 109: 224-235.

- STROBL P.G., 1888 — Flora des Etna. *Österreichische botanische Zeitschrift* 38: 24-26, 58-60, 95-96, 131-134, 161-163.
- SUNDING P., 1967 — New bryophytes records from Gran Canaria. *Cuadernos de botánica Canaria* 2: 3-8.
- TAYLOR J., 1952 — A contribution to the bryophytic flora of the nearer East. *Kew bulletin for 1952*: 45-60.
- THÉRIOT I., 1909 — Aperçu sur la flore bryologique de Tunisie. *Bulletin de la société botanique de France* 3: 1-13.
- THÉRIOT I., 1931 — Mousses du Sahara récoltées par la Mission du Hoggar. *Bulletin de la société d'histoire naturelle de l'Afrique du Nord* 22: 158-168.
- THOUVENOT L., 2008 — *Entosthodon mouretii* (Funariaceae, Musci), nouveau pour la bryoflore de France. *Cryptogamie, Bryologie* 29 (2): 195-197.
- TONGUÇ YAYINTAŞ Ö., 2001 — Moss flora of Mugla and its environment. *Ot Sistematiik botanik Dergisi* 8: 95-111.
- TONGUÇ YAYINTAŞ Ö., 2008 — *Schistidium agassizii* (Grimmiaceae, Bryopsida) new to southern Turkey. *Flora Mediterranea* 18: 117-121.
- TONGUÇ-YAYINTAŞ Ö., 2009a — *Gigaspermum mouretii* Corb. (Gigaspermaceae, Musci), new to the moss flora of Turkey. *Cryptogamie, Bryologie* 30: 415-418.
- TONGUÇ-YAYINTAŞ Ö., 2009b — *Trachycystis ussuriensis* (Maack & Regel) T.J. Kop. a new moss record from Turkey. *Nova Hedwigia* 88: 129-132.
- TONGUÇ-YAYINTAŞ Ö. & ALLEN B., 2009 — Two new records of *Fissidens* (Fissidentaceae, Bryopsida) in Southern Turkey. *Cryptogamie, Bryologie* 30: 311-316.
- TOSCO U., 1951-1962 — Musci Pedemontani (Gen. *Sphagnum*). *Archivio Botanico e Biogeografico Italiano* 27: 32-40, 90-101, 180-193; 28: 36-47, 155-175, 330-342; 29: 99-113, 175-187; 30: 32-41, 77-84, 113-125; 31: 101-116; 32: 57-70; 36: 159-187, 232-242; 37: 45-68; 38: 18-34, 105-130.
- TOWNSEND C.C., 1965 — Bryophytes from Cyprus. *Revue bryologique et lichénologique* 33: 484-493.
- TOWNSEND C.C., 1986 — Records of Greek mosses. *Journal of bryology* 14: 135-137.
- TOWNSEND C.C., 1987 — A further note on Greek mosses. *Journal of bryology* 14: 597.
- TOWNSEND C.C., 1989 — *Grimmia* (Musci): a variety new to the Lebanon and a new species from Greece. In: Tan K. (ed.), *The Davis & Hedge Festschrift*. Edinburgh, Edinburgh University Press, pp. 45-51.
- TOWNSEND C.C., 1994 — *Bryum pyriferum* Crundw. & Whitehouse, new to continental Europe. *Journal of bryology* 18: 369.
- TOWNSEND C.C., 1996 — *Bryum sauteri* B. S and G. in Egypt. *Journal of bryology* 19: 348-349.
- TOWNSEND C.C., 1999 — Some interesting mosses from Andorra. *Bulletin of the British bryological society* 73: 26-32.
- TOWNSEND C.C., 2005 — Mosses from the Caucasian region and Eastern Turkey. *Journal of bryology* 27: 143-152.
- TRABUT L., 1914 — Énumération de quelques bryophytes remarquables trouvés en Kabylie. *Bulletin de la société botanique de France*: 103-104.
- TRABUT L., 1922 — Deux Funariacées nouvelles. *Revue bryologique* 49: 64-65.
- TRAUTMANN C., 1911 — Beitrag zur Laubmoosflora von Tirol. *Hedwigia* 51: 57-60.
- TRELEASE W., 1897 — Botanical observations on the Azores. *Annual report of the Missouri botanical garden* 8: 77-220.
- TSAKIRI E. & BABALONAS D., 2002 — Bryophytic flora of the drainage system of Grevena Prefecture (West Macedonia, Greece). *Proceedings of the 9th Congress of the Hellenic botanical society*: 319-324.
- TSAKIRI E., PAPP B. & SZURDOKI E., 2006 — New records of the bryophytes of Mt Voras, North Greece. *Studia botanica Hungarica* 37: 145-155.
- ÜNAL A., 1973 — *Türkiye yosunlari üzerinde taksonomik bir arastirma*. Atatürk Üniversitesi Yayinlari 116, Ankara.
- UYAR G. & ÇETIN B., 2001 — Two new varieties for the moss flora of Turkey. *Ot sistematiik botanik Dergisi* 8: 127-132.
- UYAR G. & ÇETIN B., 2004 — A new check-list of the mosses of Turkey. *Journal of bryology* 26: 203-220.
- UYAR G. & ÖREN M. 2005 — *Isoetecium holtii* Kindb. (Brachytheciaceae, Bryopsida), new to the moss flora of Turkey. *Cryptogamie, Bryologie* 26: 425-429.
- UYAR G. & ÇETIN B., 2006 — Contributions to the moss flora of Turkey: western Black Sea region (Bolu, Kastamonu, Karabük, Bartın and Zonguldak). *International journal of botany* 2: 229-241.
- UYAR G., ABAY G., ÇETIN B. & KEÇELI T., 2008 — *Dicranum flexicaule* Brid. (Dicranaceae, Bryopsida), new to the moss flora of southwest Asia. *Cryptogamie, Bryologie* 29: 103-106.

- VAJDA L., 1959 — Moose aus Griechenland. *Annales historico-naturales musei naturalis Hungarici* 51: 197-199.
- VAJDA L., 1960. — Beitrag zur Moosflora Bulgariens. *Izvestiya na botanicheskiya institut, Bulgarska Academia na Naukite* 7: 317-319 (in Bulgarian, summary in German).
- VANDERPOORTEN A., HEDENÁS L., COX C.J. & SHAW A.J., 2002 — Circumscription, phylogenetic relationships and taxonomy of Amblystegiaceae inferred from nr and cpDNA sequence data and morphology. *Taxon* 51: 115-122.
- VANDERPOORTEN A., BOLES S. & SHAW A.J., 2003 — Patterns of molecular and morphological variation in *Leucobryum albidum*, *L. glaucum*, and *L. juniperoideum* (Bryopsida). *Systematic botany* 28: 651-656.
- VANDERPOORTEN A., 2004 — A simple taxonomic treatment for a complicated evolutionary story: the genus *Hygroamblystegium* (Hypnales, Amblystegiaceae). In: Goffinet B., Hollowell V. & Magill R. (eds). *Molecular Systematics of Bryophytes*. St Louis, Missouri Botanical Garden Press, 320-327.
- VANDERPOORTEN A. & HEDENÁS L., 2009 — New combinations in the Amblystegiaceae. *Journal of bryology* 31: 129-132.
- VENTURI G., 1890 — Barbulae rurales. *Revue bryologique et lichénologique* 17: 49-53.
- VIEIRA C., SÉRGIO C. & SÉNECA A., 2007 — Some remarkable bryophytes from the aquatic habitats of the northwest of Portugal. *Cryptogamie, Bryologie* 28: 1-8.
- VILLARI R., ROSSITTO M., DIA M.G. & GRAMUGLIO G., 1980 — *Le briofite sicule dell'Erbario messinese (MS)*. Messina, Pubblicazioni dell'Istituto e Orto Botanico dell'Università di Messina.
- WALTHER K., 1967 — Beiträge zur Moosflora Westanatoliens I. *Mitteilungen aus dem Staatsinstitut für allgemeine botanik in Hamburg* 12: 129-186.
- WALTHER K., 1970 — Beiträge zur Moosflora Westanatoliens II. *Mitteilungen aus dem Staatsinstitut für allgemeine botanik in Hamburg* 13: 167-180.
- WATTEZ J.R., DE ZUTTERE P., SOTIAUX A. 2008 — *Brachythecium erythrorrhizon* Schimp., une mousse nouvelle pour la France au col du Galibier. *Nowellia bryologica* 35: 20-26.
- WERNER J., 1993 — Une seconde localité d'*Oxystegus hibernicus* (Mitt.) Hilp. en France. *Cryptogamie, Bryologie-Lichénologie* 14 (4): 405-406.
- WERNER J., 1995 — Some bryological records from Mallorca (Balears, Spain). *Bulletin de la Société des naturalistes Luxembourgeois* 96: 77-81.
- WERNER J., 1996 — A fifth locality of the controversial *Hypnum heseleri* Ando & Higuchi, new to France. *Journal of bryology* 19: 347-348.
- WERNER J., 1998 — *Didymodon cordatus* and some other bryophytes from Crete. *Journal of bryology* 20: 249-251.
- WERNER J., 2008 — Bryophytes of Crete (Greece): exit *Didymodon cordatus* Jur. and first record of *Orthotrichum acuminatum* H. Philib. *Field bryology* 94: 35.
- WERNER O., ROS R.M., CANO M.J. & GUERRA J., 2002 — *Tortula* and some related genera (Pottiaceae, Musci): phylogenetic relationships based on chloroplast *rps4* sequences. *Plant systematics and evolution* 235: 197-207.
- WERNER O., ROS R.M., CANO M.J. & GUERRA J., 2004 — Molecular phylogeny of Pottiaceae (Musci) based on chloroplast *rps4* sequence data. *Plant systematics and evolution*: 243: 147-164.
- WERNER O., ROS R.M. & GRUNDMANN M., 2005 — Molecular phylogeny of Trichostomoideae (Pottiaceae, Bryophyta) based on nrITS sequence data. *Taxon* 54: 361-368.
- WERNER O., PATIÑO J., GÓNZÁLEZ-MANCEBO J.M. & ROS R.M., 2007 — The taxonomic status of *Platyhypnidium torrenticola* based on ITS sequence data. *Cryptogamie, Bryologie* 28 (3): 187-195.
- WERNER O., PATIÑO J., GONZÁLEZ-MANCEBO J.M., GABRIEL R.M. & ROS R.M., 2009a — The taxonomic status and the geographical relationships of the Macaronesian endemic moss *Fissidens luisieri* based on DNA sequence data. *The bryologist* 112 (2): 315-324.
- WERNER O., KÖCKINGER H., JIMÉNEZ J.A. & ROS R.M., 2009b — Molecular and morphological studies on the *Didymodon tophaceus* complex. *Plant biosystems* 143, Supplement: 136-145.
- WERNER O., RAMS S., KUČERA J., LARRAÍN J., AFONINA O.M., PISA S. & ROS R.M., 2013 — New data on the moss genus *Hymenoloma*, with special reference to *H. mulahaceni*. *Cryptogamie, Bryologie* 34 (1): 13-30.
- WERNER R.-G., 1932 — Contribution à la flore cryptogamique du Maroc. *Revue bryologique et lichénologique* 5 (4): 210-228.
- WETTSTEIN R. von, 1889 — Beitrag zur Flora des Orientes. Bearbeitung der von Dr. A. Heider im Jahre 1885 in Pisidien und Pamphylien gesammelten Pflanzen. *Sitzungsberichte der Akademie der Wissenschaften in Wien* 98: 348-398.

- WHITEHOUSE H.L.K. & NEWTON M.E. 1988 — *Tortula brevis* sp. nov. and *T. stanfordensis* Steere: morphology, cytology and geographical distribution. *Journal of bryology* 15: 83-99.
- WHITEHOUSE H.L.K. & CRUNDWELL A.C., 1991 — *Gymnostomum calcareum* Nees & Hornsch and allied plants in Europe, North Africa and the Middle East. *Journal of bryology* 16: 561-579.
- WHITEHOUSE H.L.K. & CRUNDWELL A.C., 1992 — *Gymnostomum calcareum* Nees & Hornsch. and *G. viridulum* Brid. in Europe, North Africa and the Middle East. *Bulletin of the British bryological society* 59: 35-50.
- WIJK R. van der, MARGADANT D. & FLORSCHÜTZ P.A., 1959 — *Index Muscorum. Vol. 1 (A-C)*. Regnum Vegetabile 17. Utrecht, International Bureau for Plant Taxonomy and nomenclature of the International Association for Plant Taxonomy.
- WIJK R. van der, MARGADANT D. & FLORSCHÜTZ P.A., 1962 — *Index muscorum. Vol. 2, D-Hypno*. Regnum Vegetabile 26. Utrecht, International Bureau for Plant Taxonomy and nomenclature of the International Association for Plant Taxonomy.
- WIJK R. van der, MARGADANT D. & FLORSCHÜTZ P.A., 1964 — *Index Muscorum. Vol. 3 (Hypnum-O)*. Regnum Vegetabile 33. Utrecht, International Bureau for Plant Taxonomy and nomenclature of the International Association for Plant Taxonomy.
- WIJK R. van der, MARGADANT D. & FLORSCHÜTZ P.A., 1967 — *Index Muscorum. Vol. 4 (P-S)*. Regnum Vegetabile 48. Utrecht, International Bureau for Plant Taxonomy and nomenclature of the International Association for Plant Taxonomy.
- WIJK R. van der, MARGADANT D. & FLORSCHÜTZ P.A., 1969 — *Index muscorum. Vol. 5 (T-Z, Appendix)*. Regnum vegetabile 65. Utrecht, International Bureau for Plant Taxonomy and nomenclature of the International Association for Plant Taxonomy.
- WINTER H., 1914 — Beiträge zur Kenntnis der Laubmoosflora von Madeira und Teneriffa. *Hedwigia* 55: 82-144.
- YAYINTAŞ A. & IWATSUKI Z., 1988 — Some moss records from western Turkey. *Hikobia* 10: 209-213.
- YAYINTAŞ A., 1994 — A new moss record for Turkey, *Plagiothecium denticulatum* (Hedw.) B. S. G. var. *obusifolium* (Turn.) Moore (Plagiotheciaceae). *Journal of the faculty of science, Ege University*, Ser. B 16: 19-21.
- YAYINTAŞ A. & ERDAĞ A., 1995 — Some mosses from Ihlara Valley. *Journal of faculty of science, Ege University* Ser. B 18: 1-7.
- YAYINTAŞ A., HIGUCHI M. & TONGUÇ Ö., 1996 — The moss flora of Istranca (Kirkklareli) Mountains in Turkey. *Journal of the faculty of science, Ege University*, Ser. B 19: 33-45.
- YIANNITSAROS A. & KOUMPLI-SOVANTZI L., 1990 — *Sphagnum cuspidatum* Ehrh. ex Hoffm., a new species for the Greek flora. *Proceedings of the 12th Congress of the Hellenenic society of biological sciences*: 41-44.
- YOUSSEF S.G.M., ABD-EL-RAZIK KHALED S. & HAMAD R.B., 2009a — *Orthotrichum schimperi* Hammar a new record to Libya. *Research journal of forestry* 3 (4): 152-158.
- YOUSSEF S.G.M., ABD-EL-RAZIK KHALED S. & HAMAD R.B., 2009b — *Zygodon* Hook. ex Taylor a new record to Lybia. *Pakistan journal of biological sciences* 12 (24): 1571-1575.
- ZANDER R.H., 1981 [1982] — *Didymodon* (Pottiaceae) in Mexico and California: taxonomy and nomenclature of discontinuous and nondiscontinuous taxa. *Cryptogamie, Bryologie-Lichénologie* 2: 379-422.
- ZANDER R.H., 1993 — Genera of the Pottiaceae: mosses of harsh environments. *Bulletin of the Buffalo society of natural sciences* 32: 1-378.
- ŻARNOWIEC J., 2001 — *A taxonomic monograph of the Drepanocladus aduncus group (Bryopsida: Amblystegiaceae)*. Bielsko-Biala (Poland), Łódź Technical University, Bielsko-Biala Branch.
- ZIJLSTRA G. (Secretary), 2002 — Report of the Committee for Bryophyta: 7. *Taxon* 51: 793-794.
- ZIMMITTI C., TAMBURINO A., PRIVITERA M. & PUGLISI M., 2011 — Notulae Cryptogamicae. Notula 12. *Fissidens serrulatus* Brid. (*Fissidentaceae*). *Informatore botanico Italiano* 43 (1): 153-154.
- ZODDA G., 1899-1900 — Nuovi muschi del Peloritano. *Atti e rendiconti accademia Dafnica de scienze, lettere ed arti in Acireale* 7: 1-4.
- ZODDA G., 1905 — Le briofite del messinese. Contribuzione I. *Atti e rendiconti accademia Dafnica de scienze, lettere ed arti in Acireale*, S. 2, 1: 1-14.
- ZODDA G., 1907a — Briofite sicule. Contribuzione seconda. *Malpighia* 21: 25-37.
- ZODDA G., 1907b — Le briofite del messinese. Contribuzione II. *Annali di botanica* 6: 237-269.
- ZODDA G., 1907c — Primo contributo alla Briologia della Provincia di Belluno. *Malpighia* 21: 479-511.
- ZODDA G., 1909 — Le briofite del messinese. Contribuzione III. *Annali di Botanica* 7: 449-487.
- ZODDA G., 1911 — Briofite sicule. Contribuzione quarta. *Malpighia* 24: 258-277.

- ZODDA G., 1912 — Nuovo contributo alla briologia sicula. *Atti dell'accademia Virgiliana di Mantova* 4: 1-21.
- ZODDA G., 1913 — Le briofite del messinese. IV. *Annali di botanica* 11 (2): 253-280.
- ZODDA G., 1914 — Manipolo di Briofite della Tripolitania. *Bolletino dell'orto botanico della R. Università di Napoli* 4: 205-209.
- ZODDA G., 1926 — Di alcune briofite della Cirenaica raccolte dal Prof. Cavara. *Bolletino dell'orto botanico della R. Università di Napoli* 8: 235-238.
- ZOLLER H., 1954 — Le *Sphagnum balticum* Russ. dans les Monts du Forez, Sphaigne nouvelle pour la France. *Revue bryologique et lichénologique* 23 (3-4): 271-273.
- ZOLLER H., GEISSLER P. & ATHANASIADIS N., 1977 — Beiträge zur Kenntnis der Wälder, Moos- und Flechtenassoziationen in den Gebirgen Nordgriechenlands. *Bauhinia* 6: 215-255.

List of synonyms and other moss names used in the Mediterranean area

- ▶ Name used in the Mediterranean literature, but not found in reference works and there are uncertainties about the correct synonymy and authorship.
- \$ Synonym used in the Mediterranean literature, but not formally published (the name was undoubtedly created in a floristic publication) therefore no authors are indicated.
- ☞ The author/s of the name is/are doubtful.
- ? Name used in the Mediterranean literature, but not found in reference works and the authorship is therefore uncertain, although there is no doubt about the taxon referred (the name was probably created in a floristic publication).
- # Name used in the Mediterranean literature and found in independent reference works, but the synonymy could not be confirmed.

A

- Abietinella hystricosa* (Mitt.) Broth. = ***Abietinella abietina*** var. ***hystricosa*** (Mitt.) Sakurai
Acaulon carniolicum (F. Weber & D. Mohr) Müll. Hal. = ***Aschisma carniolicum*** (F. Weber & D. Mohr) Lindb.
Acaulon floerkeanum (F. Weber & D. Mohr) Müll. Hal. = ***Microbryum floerkeanum*** (F. Weber & D. Mohr) Schimp.
Acaulon minus (Hook. & Taylor) A. Jaeger = ***Acaulon muticum*** (Hedw.) Müll. Hal.
Acaulon muticum var. *cuspidatum* G. Roth = ***Acaulon triquetrum*** (Spruce) Müll. Hal.
Acaulon muticum var. *mediterraneum* (Limpr.) Sérgio = ***Acaulon mediterraneum*** Limpr.
Acaulon muticum var. *minus* (Hook. & Taylor) Bruch & Schimp. = ***Acaulon muticum*** (Hedw.) Müll. Hal.
Acaulon piligerum auct. non (De Not.) Limpr. = ***Acaulon triquetrum*** (Spruce) Müll. Hal.
Acaulon triquetrum var. *desertorum* (Besch.) Jelenc [223]
Acrocladium cordifolium (Hedw.) P. Rich. & Wallace = ***Calliergon cordifolium*** (Hedw.) Kindb.
Acrocladium cuspidatum (Hedw.) Lindb. = ***Calliergonella cuspidata*** (Hedw.) Loeske
Acrocladium cuspidatum var. *molle* (H. Klinggr.) Limpr. = ***Calliergonella cuspidata*** (Hedw.) Loeske
Acrocladium cuspidatum var. *pungens* (Schimp.) Limpr. = ***Calliergonella cuspidata*** (Hedw.) Loeske
Acrocladium giganteum (Schimp.) P. Rich. & Wallace = ***Calliergon giganteum*** (Schimp.) Kindb.
Acrocladium sarmentosum (Wahlenb.) P. Rich. & Wallace = ***Sarmentypnum sarmentosum*** (Wahlenb.) Tuom. & T.J. Kop.
Acrocladium stramineum (Brid.) P. Rich. & Wallace = ***Straminergon stramineum*** (Dicks. ex Brid.) Kindb.
Allorgea berthelotiana (Mont.) Ando = ***Andoa berthelotiana*** (Mont.) Ochyra
Aloina aloides var. *ambigua* (Bruch & Schimp.) E.J. Craig = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Aloina ericaefolia (Lindb.) Kindb. *nom. illeg. incl. spec. prior.* = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Aloina ericifolia (Neck.) Lindb. = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Aloina pilifera (De Not.) H.A. Crum & Steere = ***Aloina bifrons*** (De Not.) Delgad.
Aloina rigida subsp. *aloides* (Schultz) Warnst. = ***Aloina aloides*** (Schultz) Kindb.
Aloina rigida var. *ambigua* (Bruch & Schimp.) E.J. Craig = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Aloina rigida var. *pilifera* (De Not.) Limpr. = ***Aloina bifrons*** (De Not.) Delgad.
Aloina stellata Kindb. *nom. illeg. incl. spec. prior.* = ***Aloina rigida*** (Hedw.) Limpr.
Aloina stellata var. *pilifera* (de Not.) Schiffn. = ***Aloina bifrons*** (De Not.) Delgad.
Alsia circinata (Brid.) Kindb. *hom. illeg.* = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
Amblystegiella confervoides (Brid.) Loeske = ***Serpoleskea confervoides*** (Brid.) Kartt.

- Amblystegiella jungermannioides* (Brid.) Giac. = *Platydictya jungermannioides* (Brid.) H.A. Crum
Amblystegiella sprucei (Bruch) Loeske = *Platydictya jungermannioides* (Brid.) H.A. Crum
Amblystegiella subtilis (Hedw.) Loeske = *Pseudoamblystegium subtile* (Hedw.) Vanderp. & Hedenäs
Amblystegium ambiguum De Not. = *Leptodictyum riparium* (Hedw.) Warnst.
Amblystegium anzianum De Not. = *Platydictya jungermannioides* (Brid.) H.A. Crum
Amblystegium boreale Dixon = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium burnatii J.J. Amann = *Microeurhynchium pumilum* (Wilson) Ignatov & Vanderp.
Amblystegium cashii Buys. = *Amblystegium serpens* (Hedw.) Schimp.
Amblystegium chrysophyllum (Brid.) De Not. = *Campyliadelphus chrysophyllus* (Brid.) R.S. Chopra
Amblystegium compactum (Drümm. ex Müll. Hal.) Austin = *Conardia compacta* (Drümm. ex Müll. Hal.) H. Rob.
Amblystegium commutatum (Hedw.) De Not. = *Palustriella commutata* (Hedw.) Ochyra
Amblystegium commutatum var. *elegantulum* De Not. = *Palustriella commutata* (Hedw.) Ochyra
Amblystegium confervoides (Brid.) Schimp. = *Serpoleskea confervoides* (Brid.) Kartt.
Amblystegium cordifolium (Hedw.) De Not. = *Calliergon cordifolium* (Hedw.) Kindb.
Amblystegium curvicaule (Jur.) Lindb. = *Cratoneuron curvicaule* (Jur.) G. Roth
Amblystegium curvipes Schimp. = *Hygroamblystegium varium* subsp. *humile* (P. Beauv.) Vanderp. & Hedenäs
Amblystegium cuspidatum (Hedw.) Mitt. = *Calliergonella cuspidata* (Hedw.) Loeske
Amblystegium decipiens (De Not.) Kindb. = *Palustriella decipiens* (De Not.) Ochyra
Amblystegium densum Milde = *Conardia compacta* (Drümm. ex Müll. Hal.) H. Rob.
Amblystegium dilatatum Lindb. = *Hygrohypnum duriusculum* (De Not.) D. W. Jamieson
Amblystegium elodes Lindb. = *Campyliadelphus elodes* (Lindb.) Kanda
Amblystegium eugyrium (Schimp.) Lindb. = *Hygrohypnum eugyrium* (Schimp.) Broth.
Amblystegium exannulatum (Schimp.) De Not. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
Amblystegium falcatum (Brid.) De Not. = *Palustriella falcata* (Brid.) Hedenäs
Amblystegium fallax (Brid.) Milde = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum (Hedw.) De Not. = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum subsp. *fallax* (Brid.) Lindb. = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum var. *alpinum* Meyran *nom. nud.* = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum var. *crassinervium* Renauld = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum var. *intermedium* Meyran *nom. inval.* = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum var. *prolixum* De Not. = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum var. *tenue* Husn. = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium filicinum var. *trichodes* (Brid.) Molendo = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium fluitans (Hedw.) De Not. = *Warnstorfia fluitans* (Hedw.) Loeske
Amblystegium fluitans var. *falcatum* (Sanio ex C.E.O. Jensen) Braithw. = *Warnstorfia fluitans* (Hedw.) Loeske
Amblystegium fluitans var. *pseudostramineum* (Müll. Hal.) C.E.O. Jensen = *Warnstorfia pseudostraminea* (Müll. Hal.) Tuom. & T.J. Kop.
Amblystegium fluviatile (Hedw.) Schimp. = *Hygroamblystegium fluviatile* (Hedw.) Loeske
Amblystegium formianum Fior.-Mazz. = *Cratoneuron filicinum* (Hedw.) Spruce
Amblystegium gallicum Bryhn = *Leptodictyum riparium* (Hedw.) Warnst.
Amblystegium giganteum (Schimp.) De Not. = *Calliergon giganteum* (Schimp.) Kindb.

- Amblystegium glaucum* (Lam.) Lindb. *nom. illeg. incl. spec. prior.* = *Palustriella commutata* (Hedw.) Ochyra
- Amblystegium glaucum* var. *sulcatum* Lindb. *hom. illeg.* = *Palustriella falcata* (Brid.) Hedenäs
- Amblystegium gracile* Jur. = *Haplocladium angustifolium* (Hampe & Müll. Hal.) Broth.
- Amblystegium halleri* Hedw. = *Campylophyllum halleri* (Hedw.) M. Fleisch.
- Amblystegium hausmannii* De Not. *nom. nud.* = *Leptodictyum riparium* (Hedw.) Warnst.
- Amblystegium humile* (P. Beauv.) Lindb. = *Hygroamblystegium varium* var. *humile* (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium hygrophilum* (Jur.) Schimp. *nom. illeg. incl. spec. prior.* = *Pseudocampylium radicale* (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium intermedium* (Lindb.) Lindb. = *Scorpidium cossonii* (Schimp.) Hedenäs
- Amblystegium irriguum* (Hook. & Wilson) Schimp. = *Hygroamblystegium tenax* (Hedw.) Jenn.
- Amblystegium irriguum* var. *fallax* (Brid.) Schimp. = *Cratoneuron filicinum* (Hedw.) Spruce
- # *Amblystegium irriguum* f. *heterophyllum* Thér. = *Hygroamblystegium tenax* (Hedw.) Jenn.
- # *Amblystegium irriguum* var. *heterophyllum* (Thér.) Hérib. = *Hygroamblystegium tenax* (Hedw.) Jenn.
- Amblystegium irriguum* var. *spinifolium* Schimp. = *Hygroamblystegium tenax* (Hedw.) Jenn.
- Amblystegium irriguum* var. *tenellum* (Schimp.) Schimp. = *Hygroamblystegium tenax* (Hedw.) Jenn.
- Amblystegium jungermannioides* (Brid.) A.J.E. Sm. = *Platydictya jungermannioides* (Brid.) H.A. Crum
- Amblystegium juratzkanum* Schimp. = *Amblystegium serpens* (Hedw.) Schimp.
- Amblystegium juratzkanum* var. *tenue* Husn. = *Amblystegium serpens* (Hedw.) Schimp.
- Amblystegium juratzkanum* var. *tenue* Jur. *in Warnst. hom. illeg.* = *Amblystegium serpens* (Hedw.) Schimp.
- Amblystegium kochii* (Schimp.) Warnst. = *Hygroamblystegium varium* var. *humile* (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium kochii* var. *curvipes* (Schimp.) Husn. = *Hygroamblystegium varium* var. *humile* (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium kurdicum* Schiffn. = *Leptodictyum kurdicum* (Schiffn.) Broth. [51]
- Amblystegium leptophyllum* Schimp. = *Leptodictyum riparium* (Hedw.) Warnst.
- Amblystegium lycopodioides* (Brid.) De Not. = *Drepanocladus lycopodioides* (Brid.) Warnst.
- Amblystegium macilentum* Renauld & Cardot = *Rhynchostegiella macilenta* (Renauld & Cardot) Cardot
- Amblystegium madeirense* (Mitt.) A. Jaeger = *Hygroamblystegium varium* (Hedw.) Mönk.
- Amblystegium molle* (Hedw.) Lindb. = *Hygrohypnum molle* (Hedw.) Loeske
- Amblystegium ochraceum* (Turner ex Wilson) Lindb. = *Hygrohypnum ochraceum* (Turner ex Wilson) Loeske
- Amblystegium oligorrhizon* Schimp. = *Pseudocampylium radicale* (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium orsinianum* De Not. = *Palustriella falcata* (Brid.) Hedenäs
- Amblystegium palustre* (Brid.) Lindb. = *Hygrohypnum luridum* (Hedw.) Jenn.
- Amblystegium polare* (Lindb.) Lindb. = *Hygrohypnum polare* (Lindb.) Loeske
- Amblystegium polycarpon* (Blandow ex Voit) Venturi & Bott. = *Drepanocladus aduncus* (Hedw.) Warnst.
- Amblystegium polygamum* Schimp. = *Drepanocladus polygamus* (Schimp.) Hedenäs
- Amblystegium pseudostramineum* (Müll. Hall.) Lindb. = *Warnstorfia fluitans* (Hedw.) Loeske
- Amblystegium radicale* (P. Beauv.) Schimp. = *Pseudocampylium radicale* (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium radicale* Schimp. *nom. illeg.* = *Hygroamblystegium varium* (Hedw.) Mönk.

- Amblystegium revolvens* (Sw. ex anon.) De Not. = ***Scorpidium revolvens*** (Sw. ex anon.) Rubers
- Amblystegium rigescens* Limpr. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium riparium* (Hedw.) Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *abbreviatum* Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- # *Amblystegium riparium* var. *distichum* Mans. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *elongatum* Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *inundatum* Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *longifolium* (Schultz) Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *splendens* De Not. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *subsecundum* Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium riparium* var. *trichopodium* (Schultz) Schimp. = ***Leptodictyum riparium*** (Hedw.) Warnst.
- Amblystegium rivulare* Lindb. *nom. illeg. incl. spec. prior.* = ***Hygrohypnum alpestre*** (Sw. ex Hedw.) Loeske.
- Amblystegium rotae* De Not. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Amblystegium sarmentosum* (Wahlenb.) De Not. = ***Sarmentypnum sarmentosum*** (Wahlenb.) Tuom. & T.J. Kop.
- Amblystegium saxatile* Schimp. = ***Pseudocampylium radicale*** (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium sendtneri* (Schimp.) De Not. = ***Drepanocladus sendtneri*** (Schimp.) Warnst.
- Amblystegium sendtneri* var. *vulgaris* (Sanio) C.E.O. Jensen = ***Drepanocladus sendtneri*** (Schimp. ex Müll Hal.) Warnst.
- Amblystegium serbicum* Podp. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *angustifolium* H. Lindb. ex Limpr. = ***Amblystegium serpens*** (Hedw.) Schimp.
- # *Amblystegium serpens* var. *brevifolium* Röhl *nom. nud.* = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *depauperatum* (Boulay) Husn. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *juratzkanum* (Schimp.) Rau & Herv. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *pinnatum* Schimp. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *rigescens* (Limpr.) Loeske = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *rigidiusculum* Lindb. & Arnell = ***Amblystegium serpens*** (Hedw.) Schimp.
- # *Amblystegium serpens* var. *sericeum* Roum = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium serpens* var. *tenue* (Brid.) Schimp. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Amblystegium smithii* (Sw.) Lindb. = ***Hygrohypnum smithii*** (Sw.) Broth.
- Amblystegium sprucei* (Bruch) Schimp. = ***Platydictya jungermannioides*** (Brid.) H.A. Crum
- Amblystegium stellatum* (Hedw.) Lindb. = ***Campylium stellatum*** (Hedw.) Lange & C.E.O. Jensen
- Amblystegium stramineum* (Dicks. ex Brid.) De Not. = ***Straminergon stramineum*** (Dicks. ex Brid.) Hedenäs
- Amblystegium subtile* (Hedw.) Schimp. = ***Pseudoamblystegium subtile*** (Hedw.) Vanderp. & Hedenäs
- Amblystegium tenax* (Hedw.) C.E.O. Jensen = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
- Amblystegium trichopodium* (Schultz) Hartm. = ***Hygroamblystegium varium*** var. ***humile*** (P. Beauv.) Vanderp. & Hedenäs
- Amblystegium trichopodium* var. *kochii* (Schimp.) Lindb. = ***Hygroamblystegium varium*** var. ***humile*** (P. Beauv.) Vanderp. & Hedenäs

- Amblystegium trifarium* (F. Weber & D. Mohr) De Not. = ***Drepanocladus trifarius*** (F. Weber & D. Mohr) Broth. ex Paris
- Amblystegium turgescens* (T. Jensen) Lindb. = ***Drepanocladus turgescens*** (T. Jensen) Broth.
- Amblystegium uncinatum* (Hedw.) De Not. = ***Sanionia uncinata*** (Hedw.) Loeske
- Amblystegium vallis-clausae* (Brid.) Husn. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Amblystegium vallis-clusae* var. *atrovirens* (Brid.) Corb. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- § *Amblystegium vallis-clusae* var. *fallax* = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Amblystegium vallis-clusae* var. *spinifolium* (Schimp.) Husn. = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
- Amblystegium varium* (Hedw.) Lindb. = ***Hygroamblystegium varium*** (Hedw.) Mönk.
- Amblystegium varium* f. *oligorhizon* Schimp. = ***Hygroamblystegium varium*** (Hedw.) Mönk
- Amblystegium varium* var. *oligorhizon* (Schimp.) Lindb. = ***Hygroamblystegium varium*** (Hedw.) Mönk.
- Amblystegium varium* var. *orthocladon* (P. Beauv) Husn. = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
- Amblystegium vernicosum* (Lindb.) Lindb. = ***Hamatocaulis vernicosus*** (Mitt.) Hødenas
- Amphidium curvipes* (Müll. Hal.) Broth. = ***Amphidium tortuosum*** (Hornsch.) Cufod.
- Amphoridium curvipes* Müll. Hal. = ***Amphidium tortuosum*** (Hornsch.) Cufod.
- Amphoridium lapponicum* (Hedw.) Schimp. = ***Amphidium lapponicum*** (Hedw.) Schimp.
- Amphoridium mougeotii* Schimp. = ***Amphidium mougeotii*** (Schimp.) Schimp.
- Amphoridium viridissimum* (Dicks.) De Not. = ***Zygodon viridissimus*** (Dicks.) Brid.
- Anacalypta caespitosa* (Bruch ex Brid.) Fühnr. = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
- Anacalypta lanceolata* (Hedw.) Nees & Hornsch. = ***Tortula lindbergii*** Broth.
- Anacalypta latifolia* (Schwägr.) Fühnr. = ***Stegonia latifolia*** (Schwägr.) Venturi ex Broth.
- Anacalypta starckeana* (Hedw.) Fühnr. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Anacalypta starckeana* var. *brachyodus* Bruch & Schimp. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Andreaea alpina* Hedw. = ***Andreaea rupestris*** Hedw.
- Andreaea angustata* Lindb. ex Limpr. = ***Andreaea heinemannii*** Hampe & Müll. Hal. subsp. ***heinemannii***
- Andreaea blyttii* subsp. *angustata* (Lindb. ex Limpr.) W. Schultze-Motel = ***Andreaea heinemannii*** Hampe & Müll. Hal. subsp. ***heinemannii***
- Andreaea crassifolia* Luisier = ***Andreaea heinemannii*** subsp. ***crassifolia*** (Luisier) Sérgio
- # *Andreaea crassinervia* var. *dentata* (Culm.) W. Schultze-Motel = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.
- Andreaea crassinervia* subsp. *huntii* (Limpr.) J.J. Amann = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.
- Andreaea crassinervia* var. *huntii* (Limpr.) Braithw. = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.
- Andreaea falcata* Schimp. = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.
- Andreaea grimsulana* Bruch = ***Andreaea frigida*** Huebener
- Andreaea huntii* Limpr. = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.
- # *Andreaea huntii* var. *dentata* Culm. = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.
- Andreaea nivalis* var. *fuscescens* Hook. = ***Andreaea nivalis*** Hook.
- Andreaea petrophila* Ehrh. ex Fühnr. = ***Andreaea rupestris*** Hedw.
- Andreaea petrophila* var. *alpestris* Thed. = ***Andreaea alpestris*** (Thed.) Schimp.
- Andreaea petrophila* var. *alpicola* Schimp. = ***Andreaea rupestris*** Hedw.
- Andreaea petrophila* var. *homomalla* Thed. = ***Andreaea rupestris*** Hedw.
- Andreaea petrophila* var. *robusta* Schimp. = ***Andreaea rupestris*** Hedw.
- Andreaea petrophila* var. *sylvicola* Schimp. = ***Andreaea rupestris*** Hedw.
- Andreaea rothii* subsp. *crassinervia* (Bruch) Dixon = ***Andreaea rothii*** F. Weber & D. Mohr
- Andreaea rothii* var. *crassinervia* (Bruch) Mönk. = ***Andreaea rothii*** F. Weber & D. Mohr
- Andreaea rothii* var. *falcata* (Schimp.) Lindb. = ***Andreaea rothii*** subsp. ***falcata*** (Schimp.) Lindb.

- Andreaea rothii* subsp. *frigida* (Huebener) W. Schultze-Motel = *Andreaea frigida* Huebener
Andreaea rothii var. *frigida* (Huebener) Lindb. = *Andreaea frigida* Huebener
Andreaea rothii var. *grimsulana* (Bruch) Müll. Hal. = *Andreaea frigida* Huebener
Andreaea rothii var. *hamata* Braithw. = *Andreaea rothii* F. Weber & D. Mohr subsp. *rothii*
Andreaea rothii var. *papillosa* Müll. Hal. = *Andreaea rothii* subsp. *falcata* (Schimp.) Lindb.
▶ *Andreaea rothii* var. *papillosa* f. *dentata* Pócs = *Andreaea rothii* subsp. *falcata* (Schimp.) Lindb.
- Andreaea rupestris* var. *alpestris* (Thed.) Sharp. = *Andreaea alpestris* (Thed.) Schimp.
Andreaea rupestris var. *falcata* Schimp. = *Andreaea rothii* subsp. *falcata* (Schimp.) Lindb.
Andreaea rupestris var. *grimsulana* (Bruch) Schimp. = *Andreaea frigida* Huebener
Andreaea rupestris var. *hamata* (Braithw.) Par. = *Andreaea rothii* F. Weber & D. Mohr subsp. *rothii*
- Andreaea rupestris* f. *homomalla* (Thed.) Podp. = *Andreaea rupestris* Hedw.
Andreaea rupestris var. *pygmaea* Mönk. = *Andreaea rupestris* Hedw.
Andreaea rupestris var. *robusta* (Schimp.) Demaret = *Andreaea rupestris* Hedw.
Angstroemia longipes (Sommerf.) Bruch & Schimp. *err. orthogr. pro Aongstroemia longipes* = *Aongstroemia longipes* (Sommerf.) Bruch & Schimp.
- Anictangium ciliatum* Hedw. = *Hedwigia ciliata* (Hedw.) P. Beauv. var. *ciliata*
Anictangium ciliatum var. *incanum* Sw. = *Hedwigia ciliata* var. *leucophaea* Bruch & Schimp.
- Anictangium flaccidum* De Not. = *Schistidium flaccidum* (De Not.) Ochyra
Anisothecium campylophyllum (Taylor) Mitt. = *Dicranella campylophylla* (Taylor) A. Jaeger
Anisothecium crispum Lindb. = *Dicranella schreberiana* (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson
Anisothecium grevilleanum (Brid.) Arnell & C.E.O. Jensen = *Dicranella grevilleana* (Brid.) Schimp.
- § *Anisothecium howei* = *Dicranella howei* Renaud & Cardot
Anisothecium palustre (Dicks.) I. Hagen = *Dichodontium palustre* (Dicks.) M. Stech
Anisothecium rigidulum (Hedw.) C.E.O. Jensen = *Dicranella humilis* R. Ruthe
- # *Anisothecium rigidulum* var. *madeirense* (Cardot) Perss. = *Dicranella varia* (Hedw.) Schimp.
Anisothecium rubrum (Huds.) Lindb. *nom. illeg. incl. spec. prior.* = *Dicranella varia* (Hedw.) Schimp.
Anisothecium rubrum var. *tenuifolium* (Bruch & Schimp.) Braithw. = *Dicranella howei* Renaud & Cardot
Anisothecium rufescens (Dicks.) Lindb. = *Dicranella rufescens* (Dicks.) Schimp.
Anisothecium schreberianum (Hedw.) Dixon = *Dicranella schreberiana* (Hedw.) Dixon
Anisothecium squarrosum (Starke) Lindb. *nom. illeg. incl. spec. prior.* = *Dichodontium palustre* (Dicks.) M. Stech
Anisothecium squarrosum var. *frigidum* Lorentz = *Dichodontium palustre* (Dicks.) M. Stech
Anisothecium staphylinum (H. Whitehouse) Sipman, Rubers & Riemann = *Dicranella staphylina* H. Whitehouse
Anisothecium tozeri (Grev.) Mitt. = *Epipterygium tozeri* (Grev.) Lindb.
Anisothecium vaginale (Dicks. ex With.) Loeske = *Dicranella crispa* (Hedw.) Schimp.
Anisothecium varium (Hedw.) Mitt. = *Dicranella varia* (Hedw.) Schimp.
Anisothecium varium var. *tenuifolium* (Bruch & Schimp.) Cas.-Gil = *Dicranella howei* Renaud & Cardot
- Anodus donnianus* (Sm.) Bruch & Schimp. = *Seligeria doniana* (Sm.) Müll. Hal.
Anoetangium aestivum var. *madeirense* (Geh.) Düll = *Anoetangium aestivum* (Hedw.) Mitt.
- Anoetangium angustifolium* Mitt. = *Anoetangium aestivum* (Hedw.) Mitt. [413]
Anoetangium aquaticum (Hedw.) Schwägr. = *Cinclidotus aquaticus* (Hedw.) Bruch & Schimp.
Anoetangium ciliatum Hedw. = *Hedwigia ciliata* (Hedw.) P. Beauv.

- Anoetangium compactum* Schwägr. *nom. illeg. incl. spec. prior.* = *Anoetangium aestivum* (Hedw.) Mitt.
- Anoetangium compactum* var. *brevifolium* Jur. = *Molendoa tenuinervis* Limpr.
- Anoetangium compactum* var. *madeirense* Geh. = *Anoetangium aestivum* (Hedw.) Mitt. [413]
- Anoetangium condensatum* Schimp. = *Anoetangium aestivum* (Hedw.) Mitt.
- Anoetangium crustatum* J. Froehl. = *Gymnostomum viridulum* Brid.
- Anoetangium flaccidum* De Not. = *Schistidium flaccidum* (De Not.) Ochyra
- Anoetangium hornschuchianum* (Hook.) Funck ex Hornsch. = *Molendoa hornschuchiana* (Hook.) Lindb. ex Limpr.
- Anoetangium lapponicum* Hedw. = *Amphidium lapponicum* (Hedw.) Schimp.
- Anoetangium madeirense* Schimp. *nom. inval. in synon.* = *Anoetangium aestivum* (Hedw.) Mitt. [413]
- Anoetangium mougeotii* Lindb. = *Amphidium mougeotii* (Schimp.) Schimp.
- Anoetangium sciuroides* Bals.-Criv. & De Not. *err. orthogr. pro Anictangium sciuroides* Bals.-Criv. & De Not. = *Braunia alopecura* (Brid.) Limpr.
- Anoetangium sendtnerianum* Bruch & Schimp. = *Molendoa sendtneriana* (Bruch & Schimp.) Limpr.
- Anoetangium sendtnerianum* var. *tenuinerve* (Limpr.) Mönk. = *Molendoa tenuinervis* Limpr.
- Anoetangium taeniatifolium* (Herzog) M.O. Hill = *Molendoa taeniatifolia* Herzog
- Anoetangium tenuinerve* (Limpr.) Paris = *Molendoa tenuinervis* Limpr.
- Anomobryum cuspidatum* (J.J. Amann) J.J. Amann = *Anomobryum bavaricum* (Warnst. in Hamm.) Holyoak & Köckinger
- Anomobryum filiforme* (Dicks.) Husn. *hom. illeg.* = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
- Anomobryum filiforme* var. *concinatum* (Spruce) Loeske = *Anomobryum concinatum* (Spruce) Lindb.
- Anomobryum filiforme* var. *juliforme* (Solms) Husn. = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
- § *Anomobryum filiforme* var. *neapolitanum* = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
- Anomobryum julaceum* var. *concinatum* (Spruce) J.E. Zetterst. = *Anomobryum concinatum* (Spruce) Lindb.
- § *Anomobryum julaceum* var. *juliforme* = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
- Anomobryum juliforme* Solms = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
- Anomobryum leptostomoides* Schimp. = *Anomobryum concinatum* (Spruce) Lindb.
- Anomobryum sericeum* Husn. *nom. illeg. in synon.* = *Anomobryum concinatum* (Spruce) Lindb.
- Anomodon apiculatus* Sull. = *Anomodon rugelii* (Müll. Hal.) Keissl.
- Anomodon cladorrhizans* (Hedw.) Fürnr. = *Entodon cladorrhizans* (Hedw.) Mull. Hal.
- Anomodon curtispendus* (Hedw.) Hook. & Tayl. = *Antitrichia curtispendula* (Hedw.) Brid.
- Anomodon fragilis* Wilson = *Anomodon tristis* (Ces.) Sull. & Lesq.
- Anomodon longifolius* var. *pumilus* Milde ex Limpr. = *Anomodon longifolius* (Schleich. ex Brid.) Hartm.
- Anomodon mutabilis* (Brid.) Mont. = *Lescuraea mutabilis* (Brid.) Lindb. ex I. Hagen
- Anomodon nervosus* (Brid.) Huebener = *Pseudoleskella nervosa* (Brid.) Nyholm
- Anomodon repens* (Brid.) Fürnr. = *Platygyrium repens* (Brid.) Schimp.
- Anomodon striatus* (Schwägr.) Huebener = *Lescuraea mutabilis* (Brid.) I. Hagen
- Antitrichia breidlerana* Schiffn. = *Antitrichia californica* Sull.
- Antitrichia curtispendula* var. *hispanica* Schimp. = *Antitrichia californica* Sull.
- # *Antitrichia curtispendula* var. *integrifolia* G. Roth = *Antitrichia curtispendula* (Hedw.) Brid.
- Antitrichia curtispendula* var. *minor* Boulay = *Antitrichia curtispendula* (Timm ex Hedw.) Brid.

- Antitrichia hispanica* (Schimp.) Dalla Torre & Sarnth. = *Antitrichia californica* Sull.
Antitrichia pristioides Glow. = *Antitrichia curtispindula* (Timm ex Hedw.) Brid.
Aongstroemia skorpili Velen. = *Dicranella varia* (Hedw.) Schimp.
Aphanorhegma patens (Hedw.) Lindb. = *Physcomitrella patens* (Hedw.) Bruch & Schimp.
 § *Aphanorhegma patens* var. *megapolitana* = *Physcomitrella patens* (Hedw.) Bruch & Schimp.
Archidium alternifolium var. *compactum* Bott. [244]
Archidium alternifolium var. *heribaudii* Renault [244]
Archidium durieuanum Schimp. in A. Jaeger = *Archidium alternifolium* (Hedw.) Mitt.
Archidium knitranum J.J. Amann = *Archidium alternifolium* (Hedw.) Mitt.
Archidium phascoides Brid. = *Archidium alternifolium* (Hedw.) Mitt.
Aschisma carniolicum var. *speciosum* Limpr. = *Aschisma carniolicum* (F. Weber & D. Mohr) Lindb.
Aschisma speciosum (Limpr.) M. Fleisch. = *Aschisma carniolicum* (F. Weber & D. Mohr) Lindb.
Astomum crispum (Hedw.) Hampe = *Weissia longifolia* Mitt.
Astomum crispum var. *angustifolium* Baumgartner = *Weissia longifolia* Mitt.
Astomum crispum var. *philibertii* (Husn.) Wijk & Margad. = *Weissia levieri* (Limpr.) Kindb.
Astomum crispum var. *minus* Besch. [158]
Astomum crispum var. *sterile* (W.E. Nicholson) Mönk. = *Weissia sterilis* W.E. Nicholson
Astomum levieri Limpr. = *Weissia levieri* (Limpr.) Kindb.
Astomum multicapsulare (Sm.) Bruch & Schimp. = *Weissia multicapsularis* (Sm.) Mitt.
Astomum nitidum (Hedw.) Hampe ex Müll. Hal. = *Pseudephemerum nitidum* (Hedw.) Loeske
Astomum paradoxum Latzel = *Weissia levieri* (Limpr.) Kindb.
Astomum rostellatum (Brid.) Bruch & Schimp. = *Weissia rostellata* (Brid.) Lindb.
 § *Astomum sterilis* = *Weissia sterilis* W.E. Nicholson
Astomum subulatum (Hedw.) Hampe = *Pleuridium subulatum* (Hedw.) Rabenh.
Astrodonium canariense (Brid.) Schwägr. = *Leucodon canariensis* (Brid.) Schwägr.
Astrodonium treleasei Cardot = *Leucodon treleasei* (Cardot) Paris
Astrophyllum rostratum (Schrad.) Lindb. = *Plagiomnium rostratum* (Schrad.) T.J. Kop.
Astrophyllum silvaticum Lindb. = *Plagiomnium cuspidatum* (Hedw.) T.J. Kop.
Atrichum angustatum var. *rhystophyllum* (Müll. Hal.) P.W. Richards & E.C. Wallace = *Atrichum angustatum* (Brid.) Bruch & Schimp.
Atrichum haussknechtii Jur. & Milde = *Atrichum flavisetum* Mitt.
Atrichum undulatum var. *gracilisetum* Besch. = *Atrichum flavisetum* Mitt.
Atrichum undulatum var. *haussknechtii* (Jur. & Milde) Frye = *Atrichum flavisetum* Mitt.
 ► *Atrichum undulatum* f. *latifolia* Thér. = *Atrichum undulatum* (Hedw.) P. Beauv.
Atrichum undulatum var. *minus* (Hedw.) Paris = *Atrichum undulatum* (Hedw.) P. Beauv.
Atrichum undulatum var. *rivulare* Bryhn = *Atrichum undulatum* (Hedw.) P. Beauv.
Aulacomnium palustre var. *alpestre* Schimp. = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre var. *cinnatum* Luisier = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre var. *djurdjurae* Trab. ex Jelenc [183]
Aulacomnium palustre var. *congestum* Boulay = *Aulacomnium palustre* (Hedw.) Schwägr.
 § *Aulacomnium palustre* var. *densum* = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre var. *fasciculare* (Funk ex Brid.) Bruch & Schimp. = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre var. *imbricatum* Bruch & Schimp. = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre var. *polycephalum* (Brid.) Huebener = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre f. *serrulatum* (Warnst.) Mönk. = *Aulacomnium palustre* (Hedw.) Schwägr.
Aulacomnium palustre var. *serrulatum* Warnst. = *Aulacomnium palustre* (Hedw.) Schwägr.

B

- Barbella strongylensis* Bott. = ***Rhynchostegium strongylense*** (Bott.) W.R. Buck & Privitera
Barbula aaronis (Lorentz) Hilp. = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander
Barbula aciphylla Bruch & Schimp. = ***Syntrichia norvegica*** F. Weber
Barbula acuminata Hedw. = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula acuta (Brid.) Brid. = ***Didymodon acutus*** (Brid.) K. Saito
Barbula acuta subsp. *icmadophila* (Schimp. ex Mull. Hal.) J.J. Amann = ***Didymodon icmadophilus*** (Schimp. ex Müll. Hal.) K. Saito
Barbula acuta var. *icmadophila* (Schimp. ex Müll. Hal.) H.A. Crum = ***Didymodon icmadophilus*** (Schimp. ex Müll. Hal.) K. Saito
Barbula acuta f. *viridis* Podp. [190]
Barbula acuta var. *viridis* (Hook. & Grev.) Machado-Guim. = ***Didymodon acutus*** (Brid.) K. Saito
Barbula adriatica Baumgartner = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula aestiva (Brid. ex Hedw.) Schultz = ***Tortula muralis*** var. *aestiva* Brid. ex Hedw.
Barbula alexandrina Lorentz = ***Tortella nitida*** (Lindb.) Broth.
Barbula aloides (Koch ex Schultz) Bruch = ***Aloina aloides*** (Koch ex Schultz) Kindb.
Barbula alpina Bruch & Schimp. = ***Syntrichia sinensis*** (Müll. Hal.) Ochyra
Barbula alpina var. *inermis* Milde = ***Syntrichia fragilis*** (Taylor) Ochyra
Barbula ambigua Bruch & Schimp. = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Barbula andreaeoides Kindb. = ***Didymodon subandreaeoides*** (Kindb.) R.H. Zander
Barbula anomala Bruch & Schimp. = ***Timmiella anomala*** (Bruch & Schimp.) Limpr.
Barbula apiculata Hedw. = ***Barbula unguiculata*** Hedw.
Barbula asperifolia Mitt. = ***Didymodon asperifolius*** (Mitt.) H.A. Crum, Steere & L.E. Anderson
Barbula atrovirens (Sm.) Schimp. = ***Tortula atrovirens*** (Sm.) Lindb.
Barbula atrovirens var. *edentula* Schimp. = ***Tortula atrovirens*** (Sm.) Lindb.
Barbula atrovirens var. *robusta* Schimp. = ***Tortula revolvens*** (Schimp.) G. Roth
Barbula bescherellei Sauerb. = ***Didymodon rigidulus*** Hedw. [414]
Barbula bolanderi Lesq. & James = ***Tortula bolanderi*** (Lesq. & James) M. Howe
Barbula botelligera Mönk. = ***Bryoerythrophyllum ferruginascens*** (Stirt.) Giac.
Barbula brebissonii Brid. = ***Dialytrichia mucronata*** (Brid.) Broth.
Barbula brevicaulis Schwägr. = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula brevifolia Lindb. *nom. inval. hom. illeg.* = ***Didymodon tophaceus*** (Brid.) Lisa
Barbula brevifolia (Dicks. ex With.) Brid. = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula brevirostris (Hook. & Grev.) Bruch = ***Aloina brevirostris*** (Hook. & Grev.) Kindb.
Barbula buyssonii H. Philib. = ***Tortula buyssonii*** (H. Philib.) Broth. [95]
▶ *Barbula caespitosa* Hook. & Grev. = ***Tortula marginata*** (Bruch & Schimp.) Spruce
Barbula caespitosa Schwägr. = ***Tortella humilis*** (Hedw.) Jenn.
Barbula cancellata Müll. Hall. = ***Barbula indica*** (Hook.) Spreng. [74]
Barbula canescens (Mont.) Bruch & Schimp. = ***Tortula canescens*** Mont.
Barbula cavifolia Schimp. = ***Pterygoneurum ovatum*** (Hedw.) Dixon
Barbula chloronotos auct. non (Brid.) Brid. = ***Crossidium crassinervium*** (De Not.) Jur.
Barbula chloronotos f. *nivea* Besch. *nom. nud.* = ***Crossidium crassinervium*** (De Not.) Jur.
▶ *Barbula cirrhata* Arn. = ***Timmiella barbuloides*** (Brid.) Mönk.
Barbula commutata Jur. = ***Barbula convoluta*** var. *sardoa* Schimp.
Barbula commutata var. *erosa* Corb. = ***Barbula convoluta*** var. *sardoa* Schimp.
Barbula convoluta subsp. *commutata* (Jur.) Boulay = ***Barbula convoluta*** var. *sardoa* Schimp.
Barbula convoluta var. *commutata* (Jur.) Husn. = ***Barbula convoluta*** var. *sardoa* Schimp.
Barbula convoluta var. *densa* Milde = ***Barbula convoluta*** var. *sardoa* Schimp.
Barbula cordata (Jur.) Loeske = ***Didymodon cordatus*** Jur.
Barbula corsica (Bruch & Schimp.) Kindb. = ***Ceratodon purpureus*** subsp. *stenocarpus* (Bruch & Schimp.) Dixon

- # *Barbula crocea* var. *funckiana* (Schultz) Margad. = ***Barbula crocea*** (Brid.) F. Weber & D. Mohr
Barbula cuneifolia (Dicks.) F. Weber & D. Mohr = ***Tortula cuneifolia*** (Dicks.) Turner
Barbula curvirostris Lindb. = ***Hymenostylium recurvirostrum*** (Hedw.) Dixon
Barbula cylindrica (Taylor) Schimp. = ***Didymodon insulanus*** (De Not.) M.O. Hill
Barbula cylindrica var. *sinuosa* (Mitt.) Lindb. = ***Didymodon sinuosus*** (Mitt.) Delogne
Barbula cylindrica var. *vinealis* (Brid.) Lindb. = ***Didymodon vinealis*** (Brid.) R.H. Zander
Barbula danica Lange = ***Syntrichia virescens*** (De Not.) Ochyra
Barbula dicksoniana Schultz = ***Tortula cuneifolia*** (Dicks.) Turner
Barbula dubuyssonii Hérib. *nom. inval. var. orthogr. pro Barbula buyssonii* H. Philib. = *Tortula buyssonii* (H. Philib.) Broth. [95]
Barbula drummondii (Mitt.) Milde *nom. illeg. incl. spec. prior.* = ***Tortella fragilis*** (Hook. & Wilson) Limpr.
- \$ *Barbula enervis* = ***Aloina rigida*** (Hedw.) Limpr.
Barbula ehrenbergii (Lorentz) M. Fleisch. = ***Barbula bolleana*** (Müll. Hal.) Broth.
Barbula ehrenbergii var. *algeriae* (Müll. Hal.) Venturi & Bott. [184]
Barbula ehrenbergii var. *immersa* Trab. ex Jelenc [184]
Barbula ehrenbergii f. *laxissima* P. de la Varde [184]
Barbula elata Dur. & Mont. ex Müll. Hal. = ***Didymodon insulanus*** (De Not.) M.O. Hill
Barbula ericaefolia Corb. = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Barbula fallax Hedw. = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula fallax f. *brevicaulis* (Schwägr.) Podp. = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula fallax var. *brevicaulis* (Schwägr.) Huebener = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula fallax var. *brevifolia* (Dicks. ex With.) Schultz = ***Didymodon fallax*** (Hedw.) R.H. Zander
- # *Barbula fallax* var. *longifolia* Warnst. & M. Fleisch. = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula fallax var. *recurvifolia* (Wils.) Husn. = ***Didymodon ferrugineus*** (Schimp. ex Besch.) M.O. Hill
- # *Barbula fallax* var. *robusta* Warnst. *nom. illeg.* = ***Didymodon fallax*** (Hedw.) R.H. Zander
Barbula fallax var. *vinealis* (Brid.) Huebener = ***Didymodon vinealis*** (Brid.) R.H. Zander
Barbula fastigiata Schultz = ***Barbula unguiculata*** Hedw.
Barbula ferruginascens Stirt. = ***Bryoerythrophyllum ferruginascens*** (Stirt.) Giacom.
Barbula ferruginea Schimp. ex Besch. = ***Didymodon ferrugineus*** (Schimp. ex Besch.) M.O. Hill
- Babula fiorii* (Venturi) G. Roth = ***Tortula revolvens*** (Schimp.) G. Roth
Barbula flavipes Bruch & Schimp. = ***Barbula enderesii*** Garov.
Barbula fragilis (Hook. & Wilson) Schimp. = ***Tortella fragilis*** (Hook. & Wilson) Limpr.
Barbula gattefossei P. de la Varde = ***Barbula unguiculata*** Hedw.
Barbula gigantea Funck = ***Didymodon giganteus*** (Funck) Jur.
Barbula glauca (Ryan) H. Möller = ***Didymodon glaucus*** Ryan
Barbula gracilis Schwägr. *hom. illeg.* = ***Didymodon acutus*** (Brid.) K. Saito
- # *Barbula gracilis* var. *brevifolia* G. Roth = ***Didymodon acutus*** (Brid.) K. Saito
Barbula gracilis var. *calabrica* G. Roth = ***Didymodon acutus*** (Brid.) K. Saito
Barbula gracilis var. *viridis* (Hook. & Grev.) Brid. = ***Didymodon acutus*** (Brid.) K. Saito
Barbula grisea (Jur.) Paris = ***Crossidium squamiferum*** var. ***pottioideum*** (De Not.) Mönk.
Barbula guelpinii (Bruch & Schimp.) Schimp. = ***Tortula guelpinii*** (Bruch & Schimp.) Broth.
Barbula heribaudii Corb. = ***Tortula muralis*** Hedw.
Barbula hornschuchiana Schultz = ***Pseudocrossidium hornschuchianum*** (Schultz) R.H. Zander
Barbula humilis Hedw. = ***Tortella humilis*** (Hedw.) Jenn.
Barbula icmadophila Schimp. ex Müll. Hal. = ***Didymodon icmadophilus*** (Schimp. ex Müll. Hal.) K. Saito
Barbula imbricata Herrnst. & Heyn = ***Didymodon luridus*** Hornsch.
Barbula inaequalifolia Taylor = ***Bryoerythrophyllum inaequalifolium*** (Taylor) R.H. Zander

- Barbula inclinata* (R. Hedw.) Schwägr. = *Tortella inclinata* (R. Hedw.) Limpr.
Barbula inclinata var. *brachypoda* Besch. = *Tortella inclinata* var. *brachypoda* (Besch.) Paris [205]
- Barbula inermis* (Brid.) Garov. = *Tortula inermis* (Brid.) Mont.
Barbula insidiosa Jur. & Milde = *Didymodon spadiceus* (Mitt.) Limpr.
Barbula intermedia (Brid.) A.W.H. Walther & Molendo = *Syntrichia montana* Nees
Barbula intermedia var. *calva* (Durieu & Sagot ex Bruch & Schimp.) Milde = *Syntrichia montana* var. *calva* (Durieu & Sagot ex Bruch & Schimp.) J.J. Amann
Barbula intermedia var. *pulvinata* (Jur.) Mild. = *Syntrichia virescens* (De Not.) Ochyra
Barbula kneuckeri Loeske & Osterw. = *Didymodon asperifolius* (Mitt.) H.A. Crum, Steere & L.E. Anderson
Barbula laevipila (Brid.) Garov. = *Syntrichia laevipila* Brid.
Barbula laevipila var. *laevipilaeformis* (De Not.) Husn. *nom. illeg. incl. var. prior.* = *Syntrichia laevipila* Brid.
Barbula laevipila var. *meridionalis* Schimp. = *Syntrichia laevipila* Brid.
Barbula laevipila var. *pagorum* (Milde) Husn. *nom. illeg. incl. var. prior.* = *Syntrichia laevipila* Brid.
Barbula laevipila var. *propagulifera* Lindb. = *Syntrichia laevipila* Brid.
Barbula lamellata (Lindb.) Müll. Hal. = *Pterygoneurum lamellatum* (Lindb.) Jur.
Barbula latifolia (Bruch ex Hartm.) Huebener *hom. illeg.* = *Syntrichia latifolia* (Bruch ex Hartm.) Huebener
Barbula lurida (Hornsch.) Lindb. *hom. illeg.* = *Didymodon luridus* Hornsch.
Barbula mamilliosa Crundw. = *Didymodon rigidulus* Hedw.
Barbula marginata Bruch & Schimp. = *Tortula marginata* (Bruch & Schimp.) Spruce
Barbula membranifolia (Hook.) Schultz = *Crossidium squamiferum* (Viv.) Jur.
Barbula membranifolia f. *brevisetata* Besch. = *Crossidium squamiferum* var. *brevisetum* (Besch.) Paris [189]
Barbula membranifolia var. *grisea* (Jur.) Venturi = *Crossidium squamiferum* var. *pottioideum* (De Not.) Mönk.
Barbula membranifolia var. *laevipila* Meyran *nom. nud.* = *Crossidium squamiferum* (Viv.) Jur.
Barbula microcarpa Schultz = *Barbula unguiculata* Hedw.
Barbula montana (Nees) Corb. = *Syntrichia montana* Nees
Barbula montenegrina Breidl. & Azyszyl. = *Tortula muralis* subsp. *obtusifolia* (Schwägr.) Culm. [96]
Barbula mucronata Brid. = *Dialytrichia mucronata* (Brid.) Broth.
Barbula mucronata var. *conferta* Corb. = *Dialytrichia mucronata* (Brid.) Broth.
Barbula mucronifolia (Schwägr.) Garov. = *Tortula mucronifolia* Schwägr.
Barbula muelleri Bruch & Schimp. = *Syntrichia princeps* (De Not.) Mitt.
Barbula muralis (Hedw.) Crom. = *Tortula muralis* Hedw.
Barbula muralis var. *aestiva* (Brid. ex Hedw.) Röhl. = *Tortula muralis* var. *aestiva* Brid. ex Hedw.
Barbula muralis var. *alexandrina* (Lorentz) A. Jaeger = *Tortella nitida* (Lindb.) Broth.
Barbula muralis var. *incana* Bruch & Schimp. = *Tortula muralis* Hedw.
Barbula muralis var. *obcordata* Schimp. = *Tortula muralis* Hedw.
Barbula muralis var. *obovata* Schimp. [222]
Barbula muralis var. *rupestris* Schultz = *Tortula muralis* Hedw.
Barbula nervosa (De Not.) Milde *hom. illeg.* = *Tortula atrovirens* (Sm.) Lindb.
Barbula nicholsonii Culm. *nom. inval.* = *Didymodon nicholsonii* Culm.
Barbula nitida (Lindb.) Jur. = *Tortella nitida* (Lindb.) Broth.
Barbula norvegica (F. Weber) Lindb. = *Syntrichia norvegica* F. Weber
Barbula obtusifolia Schultz *hom. illeg.* = *Barbula unguiculata* Hedw.
Barbula obtusifolia Schwägr. = *Tortula obtusifolia* (Schwägr.) Mathieu
▶ *Barbula ostrae* (Hedw.) Dixon = *Bryoerythrophyllum recurvirostrum* (Hedw.) P.C. Chen
Barbula pagorum Milde = *Syntrichia laevipila* Brid.

- Barbula paludosa* F. Weber & D. Mohr *nom. illeg. incl. spec. prior.* = ***Barbula crocea*** (Brid.) F. Weber & D. Mohr
- Barbula paludosa* var. *funckiana* (Shultz) Hampe = ***Barbula crocea*** (Brid.) F. Weber & D. Mohr
- # *Barbula paludosa* var. *integrifolia* Debat *nom. nud.* = ***Barbula crocea*** (Brid.) F. Weber & D. Mohr
- Barbula papillosa* (Wilson) Müll. Hal. = ***Syntrichia papillosa*** (Wilson) Jur.
- Barbula papillosissima* Coppey = ***Syntrichia papillosissima*** (Coppey) Loeske
- Barbula princeps* (De Not.) Müll. Hal. = ***Syntrichia princeps*** (De Not.) Mitt.
- Barbula pulvinata* Jur. = ***Syntrichia virescens*** (De Not.) De Not.
- Barbula recurvifolia* Schimp. = ***Didymodon ferrugineus*** (Schimp. *ex Besch.*) M.O. Hill
- Barbula recurvirostris* (Hedw.) Dixon = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
- § *Barbula recurvirostra* = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
- Barbula reflexa* (Brid.) Brid. = ***Didymodon ferrugineus*** (Schimp. *ex Besch.*) M.O. Hill
- Barbula revoluta* Brid. = ***Pseudocrossidium revolutum*** (Brid.) R.H. Zander
- Barbula revolvens* Schimp. = ***Tortula revolvens*** (Schimp.) G. Roth
- Barbula rigida* Hedw. = ***Aloina rigida*** (Hedw.) Limpr.
- Barbula rigida* var. *mucronulata* Bruch & Schimp. = ***Aloina rigida*** (Hedw.) Limpr.
- Barbula rigida* var. *pilifera* Bruch & Schimp. *hom. Illeg.* = ***Aloina rigida*** (Hedw.) Limpr.
- Barbula rigidicaulis* Müll. Hal. = ***Didymodon ferrugineus*** (Schimp. *ex Besch.*) M.O. Hill
- Barbula rigidula* Besch. *hom. illeg.* = ***Didymodon rigidulus*** Hedw.
- Barbula rigidula* (Hedw.) Mitt. = ***Didymodon rigidulus*** Hedw.
- Barbula rigidula* var. *desertorum* J. Froehl. = ***Didymodon rigidulus*** Hedw.
- Barbula rigidula* subsp. *glauca* (Ryan) Podp. = ***Didymodon glaucus*** Ryan
- Barbula rigidula* var. *glauca* (Ryan) J.J. Amann = ***Didymodon glaucus*** Ryan
- Barbula rubella* (Huebener) Mitt. *in Lindb. hom. illeg.* = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
- # *Barbula rubella* var. *brevifolia* Lindb. & Arnell = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
- Barbula rubella* var. *ruberrima* Ferg. *ex Braithw.* = ***Bryoerythrophyllum ferruginascens*** (Stirt.) Giacom.
- Barbula rufa* (Lorentz) Jur. *hom. illeg.* = ***Didymodon asperifolius*** (Mitt.) H.A. Crum, Steere & L.E. Anderson
- Barbula ruraliformis* Besch. = ***Syntrichia ruralis*** var. *ruraliformis* (Besch.) Delogne
- Barbula ruralis* Hedw. = ***Syntrichia ruralis*** (Hedw.) F. Weber & D. Mohr
- Barbula ruralis* var. *arenicola* Braithw. = ***Syntrichia ruralis*** var. *ruraliformis* (Besch.) Delogne
- Barbula ruralis* var. *calva* Durieu & Sagot *ex Bruch & Schimp.* = ***Syntrichia montana*** var. *calva* (Durieu & Sagot *ex Bruch & Schimp.*) J.J. Amann
- § *Barbula ruralis* var. *crinita* = ***Syntrichia montana*** Brid.
- # *Barbula ruralis* var. *elongata* Roum. = ***Syntrichia ruralis*** (Hedw.) F. Weber & D. Mohr
- § *Barbula ruralis* var. *nova* = ***Syntrichia montana*** Brid.
- Barbula ruralis* var. *rupestris* Bruch & Schimp. *nom. illeg. incl. var. prior.* = ***Syntrichia montana*** Brid. var. *montana*
- Barbula sardoia* (Schimp.) J.P. Frahm = ***Barbula convoluta*** var. *sardoia* Schimp.
- Barbula semilimbata* Dixon & Luisier = ***Ceratodon purpureus*** (Hedw.) Brid. [5]
- Barbula sickenbergeri* Müll. Hal. *nom. nud.* [209]
- Barbula sinensis* Müll. Hal. = ***Syntrichia sinensis*** (Müll. Hal.) Ochyra
- Barbula sinuosa* (Mitt.) Grav. = ***Didymodon sinuosus*** (Mitt.) Delogne
- Barbula solmsii* Schimp. = ***Tortula solmsii*** (Schimp.) Limpr.
- Barbula spadicea* (Mitt.) Braithw. = ***Didymodon spadiceus*** (Mitt.) Limpr.
- Barbula squamifera* Viv. = ***Crossidium squamiferum*** (Viv.) Jur.
- Barbula squamigera* De Not. *nom. inval. err. orthogr. p20 B. squamifera* Viv. = ***Crossidium squamiferum*** (Viv.) Jur.
- Barbula squarrosa* Brid. = ***Tortella squarrosa*** (Brid.) Limpr.

- Barbula stellata* Corb. *nom. illeg.* = *Aloina rigida* (Hedw.) Limpr.
Barbula subtortuosa Müll. Hal. = *Tortella tortuosa* (Hedw.) Limpr.
Barbula subulata (Hedw.) P. Beauv. = *Tortula subulata* Hedw.
Barbula subulata var. *angustata* Schimp. = *Tortula schimperii* M.J. Cano, O. Werner & J. Guerra
Barbula subulata var. *dentata* Boulay = *Tortula subulata* Hedw.
Barbula subulata var. *inermis* (Brid.) Bruch & Schimp. = *Tortula inermis* (Brid.) Mont.
Barbula subulata var. *integrifolia* Boulay = *Tortula subulata* Hedw.
Barbula subulata var. *subinermis* (Bruch & Schimp.) Wilson = *Tortula subulata* Hedw.
Barbula tectorum Müll. Hal. = *Didymodon tectorum* (Müll. Hal.) K. Saito
Barbula tophacea (Brid.) Mitt. = *Didymodon tophaceus* (Brid.) Lisa
Barbula tophacea var. *brevifolia* (Bruch & Schimp.) Dixon = *Didymodon tophaceus brevifolius* (Bruch & Schimp.) Paris [191]
Barbula tophacea f. *lingulata* (Boulay) Mönk. = *Didymodon tophaceus* (Brid.) Lisa
Barbula tortuosa (Hedw.) F. Weber & D. Mohr = *Tortella tortuosa* (Hedw.) Limpr.
Barbula tortuosa var. *fragilifolia* Jur. = *Tortella tortuosa* var. *fragilifolia* (Jur.) Limpr.
Barbula tortuosa var. *pseudo-fragilis* Thér. = *Tortella tortuosa* var. *fragilifolia* (Jur.) Limpr.
Barbula tortuosa var. *rigida* Boulay = *Tortella tortuosa* (Hedw.) Limpr.
Barbula trabutii Jelenc *nom. inval. descr. gall.* [184]
Barbula trifaria auct. *non* (Hedw.) Mitt. = *Didymodon luridus* Hornsch.
Barbula trifaria var. *cuspidata* (Schimp.) Podp. = *Didymodon luridus* Hornsch.
Barbula trifaria var. *desertorum* (J. Froehl.) S. Agnew = *Didymodon rigidulus* Hedw.
Barbula trivialis auct. *eur. non* Müll. Hal. = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
Barbula turgida Sw. *nom. nud.* [332]
Barbula umbrosa Müll. Hal. = *Didymodon umbrosus* (Müll. Hal.) R.H. Zander
Barbula unguiculata var. *angustifolia* Zodda *nom. nud.* = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *apiculata* (Hedw.) Bruch & Schimp. = *Barbula unguiculata* Hedw.
Barbula unguiculata f. *apiculata* (Hedw.) Mönk. = *Barbula unguiculata* Hedw.
Barbula unguiculata f. *cuspidata* (Schultz) Mönk. = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *cuspidata* (Schultz) Brid. = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *fastigiata* (Schultz) Huebener = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *latifolia* Bréb. = *Dialytrichia mucronata* (Brid.) Broth.
Barbula unguiculata var. *microcarpa* (Schultz) Huebener = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *minus* Hillier = *Barbula unguiculata* Hedw.
Barbula unguiculata f. *obtusifolia* Mönk. = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *obtusifolia* Bruch & Schimp. *nom. illeg. incl. var. prior.* = *Barbula unguiculata* Hedw.
Barbula unguiculata f. *robusta* Podp. *in* Sapjegin = *Barbula unguiculata* Hedw.
Barbula unguiculata var. *robusta* Lindb. = *Barbula unguiculata* Hedw.
Barbula vahliana Schultz = *Tortula vahliana* (Schultz) Mont.
Barbula vahliana var. *minor* Husn. = *Tortula vahliana* (Schultz) Mont.
Barbula vinealis Brid. = *Didymodon vinealis* (Brid.) R.H. Zander
Barbula vinealis subsp. *cylindrica* (Taylor) Podp. = *Didymodon insulanus* (De Not.) M.O. Hill
Barbula vinealis var. *cylindrica* (Taylor) Boulay *nom. illeg.* = *Didymodon insulanus* (De Not.) M.O. Hill
Barbula vinealis var. *decipiens* Meyl. [190]
Barbula vinealis var. *flaccida* Bruch & Schimp. = *Didymodon insulanus* (De Not.) M.O. Hill
Barbula vinealis f. *viridis* Besch. *nom. nud.* = *Didymodon rigidulus* Hedw.
Barbula vinealis var. *viridis* Jelenc *nom. nud.* = *Didymodon rigidulus* Hedw.
Barbula virescens (De Not.) Lorentz *hom. illeg.* = *Syntrichia virescens* (De Not.) Ochyra
Barbula woodii Schimp. = *Amphidium mougeotii* (Bruch & Schimp.) Schimp.
Bartramia arcuata Brid. = *Breutelia chrysocoma* (Hedw.) Lindb.
Bartramia azorica Mitt. = *Breutelia azorica* (Mitt.) Cardot
Bartramia breviseta Lindb. = *Bartramia ithyphylla* Brid.

- Bartramia caespitosa* Wilson *ex Paris nom. nud.* = *Philonotis caespitosa* Jur.
Bartramia calcarea Bruch & Schimp. = *Philonotis calcarea* (Bruch & Schimp.) Schimp.
Bartramia crispa Brid. = *Bartramia pomiformis* Hedw.
Bartramia fontana (Hedw.) Turner = *Philonotis fontana* (Hedw.) Brid.
Bartramia granatensis Schimp. = *Anacolia webbii* (Mont.) Schimp.
Bartramia gracilis Hoppe *in Sturm.* = *Plagiopus oederianus* (Sw.) H.A. Crum & L.E. Anderson
Bartramia halleri Gray *nom. illeg. pro B. halleriana* Hedw. = *Bartramia halleriana* Hedw.
Bartramia ithyphylla var. *brevisetata* (Lindb.) Kindb. = *Bartramia breviseta* Lindb.
Bartramia ithyphylla var. *rigidula* Schimp. = *Bartramia ithyphylla* Brid.
Bartramia ithyphylla var. *strigosa* (Wahlenb.) C. Hartm. = *Bartramia ithyphylla* Brid.
Bartramia ithyphylla var. *subulata* (Bruch & Schimp.) Husn. = *Bartramia subulata* Bruch & Schimp.
Bartramia marchica (Hedw.) Sw. = *Philonotis marchica* (Hedw.) Brid.
Bartramia nilotica Müll. Hal. *nom. nud.* [209]
Bartramia norvegica Lindb. *nom. illeg. incl. spec. prior.* = *Bartramia halleriana* Hedw.
Bartramia oederi Brid. = *Plagiopus oederianus* (Sw.) H.A. Crum & L.E. Anderson
Bartramia oederi var. *condensata* Brid. *nom. illeg. incl. var. prior.* = *Plagiopus oederianus* var. *alpinus* (Schwägr.) Ochyra
Bartramia oederi var. *subnivalis* Molendo = *Plagiopus oederianus* var. *alpinus* (Schwägr.) Ochyra
Bartramia oederiana Sw. = *Plagiopus oederianus* (Sw.) H.A. Crum & L.E. Anderson
Bartramia pomiformis var. *crispa* (Brid.) Bruch & Schimp. *nom. illeg. incl. var. prior.* = *Bartramia pomiformis* Hedw.
Bartramia pomiformis var. *elongata* Turner = *Bartramia pomiformis* Hedw.
▶ *Bartramia pomiformis* var. *longiseta* Cout. = *Bartramia pomiformis* Hedw.
Bartramia norvegica Lindb. = *Bartramia halleriana* Hedw.
Bartramia pomiformis var. *elongata* Turner = *Bartramia pomiformis* Hedw.
Bartramia rigida (Brid.) Bals.-Criv. & De Not. = *Philonotis rigida* Brid.
Bartramia viridissima (Brid.) Kindb. *hom. illeg.* = *Bartramia subulata* Bruch & Schimp.
Bartramia vulgaris Michx. *nom. illeg. incl. spec. prior.* = *Bartramia pomiformis* Hedw.
Bartramia webbii (Mont.) Müll. Hal. = *Anacolia webbii* (Mont.) Schimp.
Blindia acuta var. *arenacea* Molendo = *Blindia acuta* (Hedw.) Bruch & Schimp.
Blindia acuta var. *brevisetata* Bruch & Schimp. = *Blindia acuta* (Hedw.) Bruch & Schimp.
\$ *Blindia acuta* var. *elongata* = *Blindia acuta* (Hedw.) Bruch & Schimp.
Blindia acuta var. *falcata* Boulay = *Blindia acuta* (Hedw.) Bruch & Schimp.
\$ *Blindia acuta* f. *madeirensis* = *Blindia acuta* (Hedw.) Bruch & Schimp.
Blindia acuta var. *madeirensis* (Geh.) Perss. = *Blindia acuta* (Hedw.) Bruch & Schimp.
Blindia acuta var. *rupestris* (Hedw.) Korcez. [375]
Blindia acuta var. *trichodes* Braithw. = *Blindia acuta* (Hedw.) Bruch & Schimp.
Blindia madeirensis Geh. = *Blindia acuta* (Hedw.) Bruch & Schimp.
\$ *Blindia madeirensis* f. *falcata* = *Blindia acuta* (Hedw.) Bruch & Schimp.
Blindia trichodes Lindb. = *Blindia acuta* (Hedw.) Bruch & Schimp.
Brachymenium canariense Schimp. *nom. nud.* [185]
Brachymenium commutatum var. *attenuatum* Thér. & Trab. [185]
Brachymenium commutatum var. *hispanicum* Thér. = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
Brachymenium lusitanicum I. Hagen *ex Luisier* = *Anomobryum lusitanicum* (I. Hagen *ex Luisier*) Thér.
Brachymenium saharicum Thér. & Trab. = *Brachymenium exile* (Dozy & Molk.) Bosch & Sande Lac.
Brachyodon trichodes (F. Weber) Fürnr. = *Brachydontium trichodes* (F. Weber) Fürnr.
Brachyodus trichodes (F. Weber) Nees & Hornsch. = *Brachydontium trichodes* (F. Weber) Fürnr.
Brachysteleum polyphyllum (Sw.) Hornsch. = *Ptychomitrium polyphyllum* (Sw.) Bruch & Schimp.

- Brachythecium acuminatum* (Hedw.) Aust. = ***Brachythecium laetum*** (Brid.) Schimp.
Brachythecium acutum (Mitt.) Sull. = ***Brachythecium mildeanum*** (Schimp.) Schimp. ex Milde
Brachythecium albicans var. *alpinum* De Not. = ***Brachythecium glareosum*** (Bruch ex Spruce) Schimp.
Brachythecium albicans var. *dumetorum* Limpr. [292]
 § *Brachythecium albicans* var. *tauriscorum* = ***Brachythecium glareosum*** (Bruch ex Spruce) Schimp.
Brachythecium alpinum (De Not.) Anzi = ***Brachythecium glareosum*** (Bruch ex Spruce) Schimp.
Brachythecium ambiguum De Not. = ***Scleropodium touretii*** (Brid.) L.F. Koch
Brachythecium amoenum Milde = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
Brachythecium aureum (Spruce) De Not. = ***Homalothecium aureum*** (Spruce) H. Rob.
Brachythecium bellicum W.R. Buck *et al.* = ***Brachytheciastrum bellicum*** (W.R. Buck *et al.*) Vanderp. *et al.*
Brachythecium caespitosum (Wilson) Dixon = ***Scleropodium cespitans*** (Wilson ex Müll. Hal.) L.F. Koch
Brachythecium cardotii Winter = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
Brachythecium cirrosum var. *adrepens* Molendo = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
Brachythecium cirrosum var. *funckii* (Schimp.) Molendo = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
Brachythecium collinum (Schleich. ex Müll. Hal) Schimp. = ***Brachytheciastrum collinum*** (Schleich. ex Müll. Hal.) Ignatov & Huttunen
Brachythecium curtum (Lindb.) Limpr. = ***Sciuro-hypnum curtum*** (Lindb.) Ignatov
Brachythecium densum (Milde) Jur. = ***Conardia compacta*** (Drumm. ex Müll. Hal.) H. Rob.
Brachythecium dieckii Röhl = ***Brachytheciastrum dieckii*** (Röhl) Ignatov & Huttunen
Brachythecium dumetorum (Limpr.) G. Roth = *Brachythecium albicans* var. *dumetorum* Limpr. [292]
Brachythecium duriaei (Mont.) De Not. = ***Pseudorhynchostegiella duriaei*** (Mont.) Ignatov & Vanderp.
Brachythecium fendleri (Sull.) A. Jaeger = ***Brachytheciastrum fendleri*** (Sull.) Vanderp. *et al.*
Brachythecium funckii Schimp. = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
Brachythecium gelidum Bryhn = ***Sciuro-hypnum glaciale*** (Schimp.) Ignatov & Huttunen
Brachythecium glaciale Schimp. = ***Sciuro-hypnum glaciale*** (Schimp.) Ignatov & Huttunen
 # *Brachythecium glaciale* var. *majus* Husn. = ***Sciuro-hypnum glaciale*** Schimp.
Brachythecium glaciale var. *subsecundum* Husn. = ***Sciuro-hypnum glaciale*** Schimp.
Brachythecium glareosum var. *alpinum* (De Not.) Limpr. = ***Brachythecium glareosum*** (Bruch ex Spruce) Schimp.
Brachythecium holleri Molendo = ***Brachytheciastrum fendleri*** (Sull.) Vanderp. *et al.*
Brachythecium illecebrum (Schimp.) De Not. = ***Scleropodium touretii*** (Brid.) L.F. Koch
Brachythecium jucundum De Not. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
Brachythecium kosaninii Podp. = ***Sciuro-hypnum reflexum*** (Starke) Ignatov & Huttunen
Brachythecium latifolium Kindb. = ***Sciuro-hypnum latifolium*** (Kindb.) Ignatov & Huttunen
Brachythecium ligusticum De Not. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
Brachythecium lutescens (Hedw.) De Not. = ***Homalothecium lutescens*** (Hedw.) H. Rob.
Brachythecium maximilianum Gümberl = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
Brachythecium molendoi Schimp. = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
Brachythecium oedipodium (Mitt.) A. Jaeger = ***Sciuro-hypnum oedipodium*** (Mitt.) Ignatov & Huttunen
Brachythecium olympicum Jur. = ***Brachytheciastrum olympicum*** (Jur.) Vanderp. *et al.*

- Brachythecium oxycladon* auct. non (Brid.) A. Jaeger = ***Brachythecium laetum*** (Brid.) Schimp.
- Brachythecium payotianum* Schimp. ex Boulay = ***Brachytheciastrum trachypodium*** (Brid.) Ignatov & Huttunen
- # *Brachythecium pechii* Roum. = ***Oxyrrhynchium praelongum*** (Hedw.) Warnst.
- # *Brachythecium peckei* Roum. err. orthogr. pro *B. pechii* = ***Oxyrrhynchium praelongum*** (Hedw.) Warnst.
- Brachythecium percurrans* Hedenäs = ***Hedenasiastrum percurrans*** (Hedenäs) Ignatov & Vanderp.
- Brachythecium piliferum* (Hedw.) Kindb. = ***Cirriphyllum piliferum*** (Hedw.) Grout
- Brachythecium plicatum* (Schleich. ex F. Weber & D. Mohr) De Not. = ***Lescurea plicata*** (Schleich. ex F. Weber & D. Mohr) Broth.
- Brachythecium plumosum* (Hedw.) Schimp. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Brachythecium plumosum* var. *homomallum* Schimp. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- § *Brachythecium plumosum* var. *homomallum* f. *gracilis* = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- § *Brachythecium plumosum* var. *intermedium* = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* (Hedw.) Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* var. *amoenum* (Milde) Limpr. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* var. *attenuatum* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* f. *excurrens* Mönk. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* var. *longisetum* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* var. *majus* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* var. *rufescens* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium populeum* var. *subfalcatum* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium pseudopilosum* (Brid.) Brockm. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Brachythecium purum* (Hedw.) Dixon = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- Brachythecium reflexum* (Starke) Schimp. = ***Sciuro-hypnum reflexum*** (Starke) Ignatov & Huttunen
- Brachythecium reflexum* var. *subglaciale* Limpr. = ***Sciuro-hypnum reflexum*** (Starke) Ignatov & Huttunen
- Brachythecium rivulare* var. *cataractarum* Saut. = ***Brachythecium rivulare*** Schimp.
- Brachythecium rivulare* var. *fluitans* Lamy ex Husn. = ***Brachythecium rivulare*** Schimp.
- Brachythecium rivulare* var. *latifolium* (Kindb.) Husn. = ***Sciuro-hypnum latifolium*** (Kindb.) Ignatov & Huttunen
- Brachythecium rivulare* var. *umbrosum* Limpr. = ***Brachythecium rivulare*** Schimp.
- Brachythecium rotaeianum* De Not. = ***Brachythecium capillaceum*** (F. Weber & D. Mohr) Giacom.
- Brachythecium ruderale* Bruch & Schimp. nom. nud. [297]
- Brachythecium ruebelii* Herz. = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen
- Brachythecium rutabulum* var. *aureo-nitens* Mönk. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium rutabulum* var. *brevisetum* (Fiedl.) Brockm. = ***Brachythecium rutabulum*** (Hedw.) Schimp. var. ***rutabulum***

- Brachythecium rutabulum* var. *densum* Schimp. = ***Brachythecium rutabulum*** (Hedw.) Schimp. var. ***rutabulum***
- Brachythecium rutabulum* var. *explanatum* (Brid.) Brockm. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium rutabulum* var. *eurhynchioides* Limpr. = ***Brachythecium rutabulum*** (Hedw.) Schimp. var. ***rutabulum***
- Brachythecium rutabulum* var. *flavescens* Schimp. = ***Brachythecium rutabulum*** (Hedw.) Schimp. var. ***rutabulum***
- Brachythecium rutabulum* var. *palustre* (Husn.) Corb. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium rutabulum* var. *plumulosum* Schimp. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium rutabulum* var. *rivulare* (Schimp.) M.T. Lange = ***Brachythecium rivulare*** Schimp.
- Brachythecium rutabulum* var. *robustum* Schimp. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium rutabulum* var. *splendens* Podp. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium rutabulum* var. *turgescens* Limpr. = ***Brachythecium rutabulum*** (Hedw.) Schimp. var. ***rutabulum***
- Brachythecium rutabulum* var. *undulatum* Warnst. = ***Brachythecium rutabulum*** (Hedw.) Schimp.
- Brachythecium ryanii* Kaur. = ***Brachythecium campestre*** (Müll. Hal.) Schimp.
- Brachythecium salebrosum* var. *cylindricum* Schimpr. = ***Brachythecium capillaceum*** (F. Weber & D. Mohr) Giacom.
- Brachythecium salebrosum* var. *densum* Schimp. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium salebrosum* var. *frigidum* Renauld & Hérib. [292]
- Brachythecium salebrosum* var. *homomallum* G. Roth = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium salebrosum* var. *longisetum* Schimp. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium salebrosum* var. *mildei* Venturi & Bott. = ***Brachythecium mildeanum*** (Schimp.) Schimp.
- Brachythecium salebrosum* var. *paludosum* Meyl. *hom. illeg.* = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium salebrosum* var. *palustre* Schimp. = ***Brachythecium mildeanum*** (Schimp.) Schimp. ex Milde
- Brachythecium salebrosum* var. *vineale* (Milde) Podp. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium salicinum* Schimp. = ***Brachytheciastrum velutinum*** var. ***salicinum*** (Schimp.) Öchyra & Żarnowiec
- Brachythecium salicinum* var. *condensatum* (Schimp.) Husn. = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen
- Brachythecium salicinum* var. *meridionale* (Schimp.) Jelenc = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen
- Brachythecium salteri* Cardot & Dixon = ***Brachytheciastrum dieckii*** (Röll) Ignatov & Huttunen
- Brachythecium sericeum* Warnst. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium starkei* (Brid.) Schimp. = ***Sciuro-hypnum starkei*** (Brid.) Ignatov & Huttunen
- Brachythecium starkei* var. *complanatum* Limpr. = ***Sciuro-hypnum starkei*** (Brid.) Ignatov & Huttunen
- Brachythecium starkei* var. *coppeyi* Cardot [292]
- Brachythecium starkei* var. *explanatum* (Brid.) Mönk. = ***Brachythecium rutabulum*** (Hedw.) Schimp.

- Brachythecium starkei* var. *praelongum* Schimp. = ***Sciuro-hypnum glaciale*** (Schimp.) Ignatov & Huttunen
- Brachythecium starkei* var. *tromsoeense* (Kaurin & Arnell) Nyholm = ***Sciuro-hypnum tromsoeense*** (Kaurin & Arnell) Draper & Hedenäs
- Brachythecium tauriscorum* Molendo = ***Brachythecium glareosum*** (Bruch ex Spruce) Schimp.
- Brachythecium trachypodium* (Brid.) Schimp. = ***Brachytheciastrum trachypodium*** (Brid.) Ignatov & Huttunen
- Brachythecium trachypodium* var. *payotianum* Boulay = ***Brachytheciastrum trachypodium*** (Brid.) Ignatov & Huttunen
- Brachythecium tromsoeense* Kaurin & Arnell = ***Sciuro-hypnum tromsoeense*** (Kaurin & Arnell) Draper & Hedenäs
- Brachythecium udum* I. Hagen = ***Brachythecium mildeanum*** var. *udum* (I. Hagen) Mönk.
- Brachythecium vagans* Milde = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov. & Huttunen
- Brachythecium velutinum* Hedw. = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen
- Brachythecium velutinum* var. *athoum* Podp. [423]
- Brachythecium velutinum* var. *condensatum* Schimp. = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen
- Brachythecium velutinum* f. *intricatum* C.E.O. Jensen = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen
- Brachythecium velutinum* var. *meridionale* Schimp. = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen var. ***velutinum***
- Brachythecium velutinum* var. *praelongum* C.E.O. Jensen = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov. & Huttunen var. ***velutinum***
- Brachythecium velutinum* var. *salicinum* (Schimp.) Mönk. = ***Brachytheciastrum velutinum*** var. ***salicinum*** (Schimp.) Ochyra & Żarnowiec
- Brachythecium velutinum* var. *venustum* (De Not.) Arcang. = ***Brachytheciastrum velutinum*** var. ***salicinum*** (Schimp.) Ochyra & Żarnowiec
- Brachythecium venturii* Warnst. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Brachythecium venustum* (De Not.) De Not. = ***Brachytheciastrum velutinum*** var. ***salicinum*** (Schimp.) Ochyra & Żarnowiec
- § *Brachythecium venustum* var. *olympicum* = ***Brachytheciastrum olympicum*** (Jur.) Vanderp. *et al.*
- Brachythecium vineale* Milde = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Brachythecium zickendrahtii* Warnst. = ***Brachythecium salebrosum*** (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Braunia sciuroides* (Bals.-Criv. & De Not.) Bruch & Schimp. = ***Braunia alopecura*** (Brid.) Limpr.
- Breidleria arcuata* (Molendo) Loeske = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Breutelia arcuata* (Sw.) Schimp. = ***Breutelia chrysocoma*** (Hedw.) Lindb.
- Brotherella nemorosa* (Koch) Loeske *nom. inval. sin. descr. gen.* = ***Heterophyllum affine*** (Hook.) M. Fleisch.
- Bruchia palustris* (Bruch & Schimp.) Müll. Hal. = ***Cleistocarpidium palustre*** (Bruch & Schimp.) Ochyra & Bednarek-Ochyra
- Bruchia trobasiana* De Not. = ***Bruchia flexuosa*** (Schwägr.) Müll. Hal.
- Bruchia vogesiaca* var. *meridionalis* Husn. = ***Bruchia vogesiaca*** Schwägr.
- Bryhnia stokesii* (Turner) H. Rob. = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Bryoerythrophyllum machadoanum* (Sérgio) M.O. Hill = ***Bryoerythrophyllum campylocarpum*** (Müll. Hal.) H.A. Crum
- # *Bryoerythrophyllum recurvirostrum* var. *brevifolium* (Lindb. & Arnell) Podp. = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
- # *Bryoerythrophyllum recurvirostrum* var. *serratum* Podp. = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen

- Bryoerythrophyllum rubrum* var. *minus* K. Saito = *Bryoerythrophyllum ferruginascens* (Stirt.) Giacom.
- Bryum abduanum* Rota = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum aciculare* (Hedw.) Jolycl. = *Racomitrium aciculare* (Hedw.) Brid.
- Bryum acuminatum* (Hopp. & Hornsch.) Bruch & Schimp. *nom. illeg. incl. spec. prior.* = *Pohlia elongata* var. *acuminata* (Hoppe & Hornsch.) Huebener
- Bryum affine* Lindb. & Arnell *hom. illeg.* = *Ptychostomum creberrimum* (Taylor) J.R. Spence & H.P. Ramsay
- Bryum affine* var. *cirrhatum* (Huebener) Braithw. = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum alandicum* Bomanss. = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum albicans* (Wahlenb.) Röhl. = *Pohlia wahlenbergii* (F. Weber & D. Mohr) A.L. Andrews
- Bryum albicans* var. *glaciale* (Brid.) Müll Hal. = *Pohlia wahlenbergii* var. *glacialis* (Brid.) E.F. Warb.
- Bryum algovicum* Sendtn. = *Ptychostomum compactum* Hornsch.
- Bryum algovicum* var. *rutheanum* (Warnst.) Crundw. = *Ptychostomum compactum* var. *rutheanum* (Warnst.) Holyoak & N. Pedersen
- Bryum alpinum* Huds. ex With. = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum alpinum* var. *angustifolium* Husn. = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum alpinum* subsp. *atlanticum* (Solms ex Lorentz) Podp. = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- *Bryum alpinum* var. *attenuatum* Podp. *nom. nud.* = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum alpinum* f. *flagellifera* Corb. [286]
- Bryum alpinum* subsp. *gemmiparum* (De Not.) Kindb. = *Bryum gemmiparum* De Not.
- ? *Bryum alpinum* subsp. *gemmiparum* f. *sinaica* Podp. = *Bryum gemmiparum* De Not.
- Bryum alpinum* var. *gemmiparum* (De Not.) Husn. = *Bryum gemmiparum* De Not.
- Bryum alpinum* var. *mediterraneum* De Not. = *Bryum gemmiparum* De Not.
- Bryum alpinum* var. *meridionale* Schimp. = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum alpinum* var. *mildeanum* (Jur.) Podp. = *Imbribryum mildeanum* (Jur.) J.R. Spence
- § *Bryum alpinum* f. *nigrescens* = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum alpinum* var. *viride* Husn. = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum alpinum* f. *viridis* Besch. *nom. illeg.* [286]
- Bryum amblyodon* Müll. Hal. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
- Bryum androgynum* Hedw. = *Aulacomnium androgynum* (Hedw.) Schwägr.
- Bryum angustirete* Kindb. = *Ptychostomum compactum* Hornsch.
- Bryum annotinum* Hedw. = *Pohlia annotina* (Hedw.) Lindb.
- Bryum apocarpum* (Hedw.) With. = *Schistidium apocarpum* (Hedw.) Bruch & Schimp.
- Bryum archangelicum* Bruch & Schimp. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
- Bryum arcticum* var. *helveticum* (H. Philib.) Husn. = *Ptychostomum arcticum* (R. Br.) J.R. Spence ex Holyoak & N. Pedersen
- Bryum arenarium* Jur. *hom. illeg.* = *Bryum blindii* Bruch & Schimp.
- # *Bryum argenteum* var. *jananum* Meyl. = *Bryum argenteum* Hedw.
- Bryum argenteum* var. *lanatum* (P. Beauv.) Hampe = *Bryum argenteum* Hedw.
- Bryum argenteum* var. *hirtellum* De Not. [316]
- Bryum argenteum* var. *majus* Schwägr. = *Bryum argenteum* Hedw.
- Bryum argenteum* subsp. *veronense* (De Not.) J.J. Amann = *Bryum argenteum* Hedw.
- Bryum aschersonii* Müll. Hal. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum atlanticum* Solms ex Lorentz = *Imbribryum alpinum* (Huds. ex With.) N. Pedersen
- Bryum atropurpureum* Bruch & Schimp. *nom. illeg.* = *Bryum dichotomum* Hedw.

- Bryum atropurpureum* (Wahlenb.) Wahlenb. = ***Pohlia atropurpurea*** (Wahlenb.) Lindb.
Bryum atropurpureum var. *arenarium* Huds. = ***Bryum dichotomum*** Hedw.
Bryum atropurpureum var. *doliolooides* Solms = ***Bryum dichotomum*** Hedw.
Bryum atrovirens Brid. = ***Bryum subapiculatum*** Hampe
Bryum atrovirens var. *marginatum* (G. Roth) Wijk & Margad. [245]
Bryum atrovirens var. *minii* (Podp.) Wijk & Margad. = ***Bryum minii*** Podp. ex Machado-Guim.
Bryum atrovirens var. *radiculosum* (Brid.) Wijk & Margad. = ***Bryum radiculosum*** Brid.
Bryum badium (Brid.) Schimp. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum baenitzii Müll. Hal. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum bakonyense Latzel = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum baldense Venturi = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum barnesii J.B. Wood ex Schimp. = ***Bryum dichotomum*** Hedw.
Bryum bicolor Dicks. = ***Bryum dichotomum*** Hedw.
Bryum bicolor var. *arenarium* Warnst. = ***Bryum dichotomum*** Hedw.
Bryum bicolor var. *denticulatum* (Besch.) Jelenc [186]
Bryum bicolor var. *doliolooides* (Solms) Warnst. = ***Bryum dichotomum*** Hedw.
Bryum bicolor var. *gracilentum* Taylor = ***Bryum dichotomum*** Hedw.
§ *Bryum bicolor* var. *gracilentum* f. *planum* = ***Bryum dichotomum*** Hedw.
Bryum bicolor var. *macrothecium* (Besch.) Jelenc [186]
§ *Bryum bicolor* f. *planum* = ***Bryum dichotomum*** Hedw.
Bryum bicolor var. *pseudoblindii* J.J. Amann = ***Bryum dichotomum*** Hedw.
Bryum bicolor var. *tenellum* (Besch.) Jelenc [186]
Bryum bicolor var. *tuneticum* (Besch.) Jelenc [186]
Bryum billarderi Schwägr. = ***Bryum dichotomum*** Hedw.
Bryum bimoideum De Not. = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay
Bryum bimum (Schreb.) Turner = ***Ptychostomum pseudotriquetrum*** var. *bimum* (Schreb.) Holyoak & N. Pedersen
Bryum bimum var. *cuspidatum* Bruch & Schimp. = ***Ptychostomum creberrimum*** (Taylor) J.R. Spence & H.P. Ramsay
Bryum blindii var. *payoti* (Schimp.) Husn. = ***Anombryum julaceum*** (Schrad. ex P. Gaertn. *et al.*) Schimp.
Bryum bomanssonii Lindb. = ***Ptychostomum rubens*** (Mitt.) Holyoak & N. Pedersen
Bryum bornholmense Wink. & R. Ruthe = ***Ptychostomum bornholmense*** (Wink. & R. Ruthe) Holyoak & N. Pedersen
Bryum brownianum Dicks. = ***Tetradontium brownianum*** (Dicks.) Schwägr.
Bryum brunnescens Renauld *nom. illeg. err. cit. pro Bryum fuscescens* Spruce = ***Ptychostomum torquescens*** (Bruch & Schimp.) Ros & Mazimpaka
Bryum bulbifolium Lindb. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum caespiticium Hedw. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum caespiticium var. *atlanticum* Cardot [145]
Bryum caespiticium var. *badium* Brid. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum caespiticium var. *brachycarpum* Warnst. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum caespiticium subsp. *comense* (Schimp.) J.J. Amann = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum caespiticium var. *comense* (Schimp.) Husn. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen

- Bryum caespiticium* var. *gracilescens* Bruch & Schimp. = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
- Bryum caespiticium* var. *imbricatum* Bruch & Schimp. = *Bryum kunzei* Hornsch.
- Bryum caespiticium* var. *kunzei* (Hornsch.) Braithw. *nom. illeg.* = *Bryum kunzei* Hornsch.
- Bryum caespiticium* var. *macrocarpum* G. Roth = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
- Bryum caespiticium* var. *strangulatum* Warnst. = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
- Bryum caespiticium* var. *sylvaticum* Warnst. = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
- Bryum caespiticium* var. *transiens* Podp. = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
- Bryum calabricum* Warnst. & M. Fleisch. = *Bryum cellulare* Hook.
- Bryum calcareum* (Hedw.) With. = *Seligeria calcarea* (Hedw.) Bruch & Schimp.
- Bryum calcicola* Arnell = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum campestre* Lindb. = *Anomobryum julaceum* (Schrad. ex P. Gaertn. *et al.*) Schimp.
- Bryum canariense* subsp. *corbieri* (H. Philib.) Podp. = *Bryum canariense* Brid.
- Bryum canariense* subsp. *provinciale* (H. Philib.) Giacom. = *Bryum canariense* Brid.
- Bryum canariense* var. *provinciale* (H. Philib.) Husn. = *Bryum canariense* Brid.
- Bryum capillare* Hedw. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* var. *angustatum* Boulay = *Ptychostomum pallens* (Sw.) J.R. Spence
- Bryum capillare* var. *carinthiacum* Bruch & Schimp. = *Bryum elegans* Nees
- Bryum capillare* var. *cavifolium* Breidl. [424]
- Bryum capillare* subsp. *cenomanicum* Podp. = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum capillare* var. *cochlearifolium* Brid. = *Bryum elegans* Nees
- # *Bryum capillare* var. *cuspidatum* Schimp. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* subsp. *elegans* (Nees) Lindb. = *Bryum elegans* Nees
- Bryum capillare* var. *elegans* (Nees) Husn. = *Bryum elegans* Nees
- Bryum capillare* var. *ferchelii* (Funck ex Brid.) Bruch & Schimp. = *Bryum elegans* Nees
- Bryum capillare* var. *flaccidum auct. non* (Brid.) Bruch & Schimp. = *Ptychostomum moravicum* (Podp.) Ros & Mazimpaka
- Bryum capillare* var. *flaccidum* (Brid.) Bruch & Schimp. = *Ptychostomum moravicum* (Podp.) Ros & Mazimpaka
- Bryum capillare* subsp. *icodense* (H. Winter) Podp. = *Ptychostomum torquescens* (Bruch & Schimp.) Ros & Mazimpaka
- Bryum capillare* var. *macrocarpum* Huebener = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* var. *majus* Bruch & Schimp. *nom. illeg. incl. var. prior.* = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* subsp. *meridionale* (Schimp.) Podp. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* var. *meridionale* Schimp. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* var. *obconicum* Huebener = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum capillare* var. *obconicum* (Hornsch.) Husn. *hom. illeg.* = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum capillare* var. *platyloma* (Schwägr.) Schimp. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* var. *rosulatum* Mitt. = *Bryum elegans* Nees
- Bryum capillare* var. *rufifolium* (Dixon) Podp. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen

- Bryum capillare* var. *tectorum* Warnst. = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* subsp. *torquescens* (Bruch & Schimp.) Kindb. = ***Ptychostomum torquescens*** (Bruch & Schimp.) Ros & Mazimpaka
- Bryum capillare* var. *torquescens* (Bruch & Schimp.) Husn. = ***Ptychostomum torquescens*** (Bruch & Schimp.) Ros & Mazimpaka
- Bryum capillare* var. *triste* (De Not.) Limpr. = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
- Bryum capillare* var. *ustulatum* G. Roth = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
- Bryum carinatum* Boulay = ***Pohlia filum*** (Schimp.) Martensson
- Bryum carneum* With. = ***Pohlia melanodon*** (Brid.) A.J. Shaw
- § *Bryum carneum* var. *erythrocarpum* = ***Bryum dichotomum*** Hedw.
- Bryum carneum* var. *pulchellum* (Hedw.) Turner = ***Pohlia lescuriana*** (Sull.) Ochi
- Bryum cellulare* var. *siculum* (G. Roth) Podp. [296]
- Bryum cernuum* Brid. = ***Ptychostomum cernuum*** (Hedw.) Hornsch.
- Bryum cernuum* (Hedw.) Bruch & Schimp. *hom. illeg.* = ***Ptychostomum cernuum*** (Hedw.) Hornsch.
- Bryum ciliatum* (Hedw.) Dicks. = ***Hedwigia ciliata*** (Hedw.) P. Beauv.
- Bryum cirratum* (Hedw.) With. = ***Dicranoweisia cirrata*** (Hedw.) Lindb.
- Bryum cirratum* Hoppe & Hornsch. *hom. illeg.* = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum cirratum* var. *cuspidatum* (Bruch & Schimp.) Husn. = ***Ptychostomum creberrimum*** (Taylor) J.R. Spence & H.P. Ramsay
- Bryum clathratum* J.J. Amann = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum clavatum* Cardot & Dixon = ***Bryum canariense*** Brid.
- Bryum claviger* Kaur. = ***Bryum argenteum*** Hedw.
- Bryum cochlearifolium* (Brid.) Hartm. = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
- Bryum coenosum* Luisier *nom. inval. descr. gall.* = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay
- # *Bryum combae* De Not. = ***Imbribryum alpinum*** (Huds. ex With.) N. Pedersen
- Bryum comense* Schimp. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
- Bryum commutatum* Müll. Hal. = ***Brachymenium commutatum*** (Müll. Hal.) A. Jaeger
- Bryum commutatum* (Schimp.) Boulay *hom. illeg.* = ***Pohlia drummondii*** (Müll. Hal.) A.L. Andrews
- Bryum commutatum* var. *gracile* (Bruch & Schimp.) Boulay = ***Pohlia filum*** (Schimp.) Martensson
- Bryum concinatum* Spruce = ***Anomobryum concinatum*** (Spruce) Lindb.
- Bryum conoideum* Dicks. = ***Zygodon conoideus*** (Dicks.) Hook. & Taylor
- Bryum constrictum* Bruch = ***Bryum klinggraeffii*** Schimp.
- Bryum contextum* Hornsch. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum corbieri* H. Philib. = ***Bryum canariense*** Brid.
- Bryum creberrimum* Taylor = ***Ptychostomum creberrimum*** (Taylor) J.R. Spence & H.P. Ramsay
- Bryum crispum* (Hedw.) With. = ***Ulota crispa*** (Hedw.) Brid.
- Bryum crispum* Schreb. *nom. inval.* = ***Dicranella schreberiana*** (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson
- # *Bryum cristatum* H. Philib. *hom. illeg.* = ***Bryum intermedium*** (Brid.) Blandow
- Bryum crudum* (Hedw.) Turner = ***Pohlia cruda*** (Hedw.) Lindb.
- Bryum cucullatum* Schwägr. = ***Pohlia obtusifolia*** (Vill. ex Brid.) L.F. Koch
- Bryum culmannii* Limpr. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen

- Bryum cuneifolium* Dicks. = *Tortula cuneifolia* (Dicks.) Turner
Bryum curvatum Kaurin & Arnell = *Ptychostomum archangelium* (Bruch & Schimp.) J.R. Spence
Bryum cuspidatum (Bruch & Schimp.) Schimp. *hom. illeg.* = *Ptychostomum creberrimum* (Taylor) J.R. Spence & H.P. Ramsay
Bryum cyclophyllum (Schwägr.) Bruch & Schimp. = *Ptychostomum cyclophyllum* (Schwägr.) J.R. Spence
Bryum cymbuliforme Cardot = *Pohlia filum* (Schimp.) Martenson
Bryum dealbatum (Sw. ex Hedw.) Dicks. ex With. = *Amblyodon dealbatus* (Sw. ex Hedw.) Bruch & Schimp.
Bryum demissum Hook. = *Ptychostomum demissum* (Hook.) Holyoak & N. Pedersen
Bryum donianum Grev. = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
 § *Bryum donianum* f. *gracilis* = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
 § *Bryum donianum* f. *gracilius* = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
Bryum donii Grev. *err. orthogr. pro B. donianum* Grev. = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
Bryum dunense A.J.E. Sm. & H. Whitehouse = *Bryum dichotomum* Hedw.
Bryum duriaei Schimp. ex Besch. = *Bryum radiculosum* Brid.
Bryum duvalii Voit in Sturm = *Bryum weigelii* Spreng.
Bryum duvalioides (Itzigs.) Warnst. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum elegans Grev. *hom. illeg.* = *Ptychostomum pallens* (Sw.) J.R. Spence
Bryum elegans var. *carinthiacum* (Bruch & Schimp.) Breidl. = *Bryum elegans* Nees
Bryum elegans var. *ferchelii* (Funck ex Brid.) Breidl. = *Bryum elegans* Nees
Bryum elongatum (Hedw.) With. = *Pohlia elongata* Hedw.
Bryum elongatum var. *alpinum* (Hoppe & Hornsch.) Bruch & Schimp. = *Pohlia longicollis* (Hedw.) Lindb.
Bryum ericoides Dicks. = *Racomitrium ericoides* Brid.
Bryum erythrocarpon Brid. *nom. inval.* = *Bryum dichotomum* Hedw.
Bryum erythrocarpum Schwägr. = *Bryum erythrocarpum* complex
Bryum erythrocarpum var. *limbatum* Berth. = *Bryum radiculosum* Brid.
Bryum erythrocarpum var. *marginatum* G. Roth = *Bryum atrovirens* var. *marginatum* (G. Roth) Wijk & Margad. [245]
Bryum erythrocarpum var. *minor* Baur [316]
Bryum erythrocarpum var. *murale* Wils. ex Hunt. *err. pro B. erythrocarpum* var. *murorum* Schimp. = *Bryum radiculosum* Brid.
Bryum erythrocarpum var. *murorum* Schimp. = *Bryum radiculosum* Brid.
Bryum erythrocarpum var. *radiculosum* (Brid.) Bruch & Schimp. = *Bryum radiculosum* Brid.
Bryum erythrocarpum var. *rubens* (Mitt.) Podp. = *Ptychostomum rubens* (Mitt.) Holyoak & N. Pedersen
Bryum extincitorium L. ex With. *nom. illeg. incl. spec. prior.* = *Encalypta vulgaris* Hedw.
Bryum fallax Milde = *Ptychostomum pallens* (Sw.) J.R. Spence
Bryum fallax var. *baldense* (Venturi) Limpr. = *Ptychostomum pallens* (Sw.) J.R. Spence
Bryum fasciculare (Hedw.) With. = *Entosthodon fascicularis* (Hedw.) Müll. Hal.
Bryum ferchelii Funck ex Brid. = *Bryum elegans* Nees
Bryum filiforme Dicks. = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
Bryum filiforme var. *concinatum* Spruce = *Anomobryum concinatum* (Spruce) Lindb.
Bryum filiforme var. *juliforme* (Solms) Dixon = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
Bryum filiforme var. *neapolitanum* (De Not.) Boulay = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
Bryum filiforme var. *sericeum* Boulay = *Anomobryum concinatum* (Spruce) Lindb.
Bryum filum Schimp. = *Pohlia filum* (Schimp.) Martensson
Bryum flaccidum auct non. Brid. = *Ptychostomum moravicum* (Podp.) Ros & Mazimpaka
Bryum flexuosum (Hedw.) With. = *Campylopus flexuosus* (Hedw.) Brid.

- Bryum fontanum* (Hedw.) Huds. *ex* Crome = *Philonotis fontana* (Hedw.) Brid.
Bryum forsteri Dicks. *ex* With. = *Zygodon forsteri* (Dicks. *ex* With.) Mitt.
Bryum fulvellum Dicks. = *Arctoa fulvella* (Dicks.) Bruch & Schimp.
Bryum funkii var. *subsphaericum* Schimp. *nom. nud. in synonym.* = *Bryum blindii* Bruch & Schimp.
Bryum funkii var. *tenue* (Boulay) Husn. = *Anomobryum julaceum* (Schrad. *ex* P. Gaertn. *et al.*) Schimp.
Bryum fuscum Lindb. = *Bryum intermedium* (Brid.) Blandow
Bryum geheebii Müll. Hal. [13]
Bryum gemmiparum var. *ahaggarensis* Thér. & Trab. [187]
Bryum gemmiparum var. *sinaica* Geh. *nom. inval.* = *Bryum gemmiparum* De Not.
Bryum gerwigii (Müll. Hal.) Limpr. [13]
Bryum gilvum I. Hagen = *Bryum knowltonii* Barnes
Bryum glaciale Brid. = *Pohlia wahlenbergii* var. *glacialis* (Brid.) E.F. Warb.
Bryum glauculum Müll. Hal. *nom. nud.* [209]
Bryum glaucum (Hedw.) L. *ex* Roucel = *Leucobryum glaucum* (Hedw.) Ångstr.
Bryum gracile Schleich. *nom. nud.* = *Pohlia filum* (Schimp.) Martensson
Bryum gracile Wilson = *Orthodontium gracile* (Wilson) Schwägr. *ex* Bruch & Schimp.
Bryum graeffii Schlieph. *ex* Kindb. *nom. inval.* = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
Bryum graefianum Schlieph. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
Bryum groenlundii Hessel. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
Bryum haistii Schimp. = *Bryum elegans* Nees
Bryum helveticum H. Philib. = *Ptychostomum arcticum* (R. Br.) J.R. Spence *ex* Holyoak & N. Pedersen
Bryum heteromallum (Hedw.) Sturm = *Dicranella heteromalla* (Hedw.) Schimp.
Bryum hornum (Hedw.) Crome = *Mnium hornum* Hedw.
Bryum hybridum Bruch *nom. nud. in synonym.* = *Ptychostomum creberrimum* (Taylor) J.R. Spence & H.P. Ramsay
Bryum hypnoides L. *ex* With. *nom. illeg. incl. spec. prior.* = *Racomitrium lanuginosum* (Hedw.) Brid.
Bryum icodense H. Winter = *Ptychostomum torquescens* (Bruch & Schimp.) Ros & Mazimpaka
Bryum imbricatum auct. non (Schwägr.) Bruch & Schimp. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
Bryum inclinatum (Brid.) Turton *hom. illeg. non* (Hedw.) Dicks. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
Bryum inclinatum var. *longisetum* (Blandow *ex* Schwägr.) Fiedl. = *Ptychostomum longisetum* (Blandow *ex* Schwägr.) J.R. Spence
Bryum inclinatum var. *theriotii* (H. Philib.) Podp. *nom. inval.* [248]
Bryum incurvum Huds. *ex* Brid. = *Oligotrichum hercynicum* (Hedw.) Lam. & DC.
Bryum insulare De Not. = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
Bryum intermedium subsp. *carniolicum* (Glow.) Podp. [245]
Bryum intermedium subsp. *cristatum* Podp. [245]
Bryum intermedium var. *cirrhatum* Bruch & Schimp. = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum intermedium var. *subcylindricum* Limpr. = *Bryum intermedium* (Brid.) Blandow
Bryum julaceum Schrad. *ex* P. Gaertn. *et al.* = *Anomobryum julaceum* (Schrad. *ex* P. Gaertn. *et al.*) Schimp.
Bryum juliforme (Solms) Schimp. = *Anomobryum julaceum* (Schrad. *ex* P. Gaertn. *et al.*) Schimp.
Bryum kabylicum Trabut *in* Jelenc *nom. inval.* [11]
Bryum klinggraeffii subsp. *tenuisetum* (Limpr.) Podp. = *Bryum tenuisetum* Limpr.
Bryum korbiana Müll. Hal. = *Pohlia korbiana* (Müll. Hal.) Wijk & Margad. [70]
Bryum lacustre (F. Weber & D. Mohr) Blandow = *Bryum knowltonii* Barnes

- Bryum lanceolatum* (Hedw.) With. = *Tortula lindbergii* Broth.
Bryum laevifilum Syed = *Ptychostomum moravicum* (Podp.) Ros & Mazimpaka
 § *Bryum laevipilum* = *Syntrichia laevipila* Brid.
Bryum lanatum (P. Beauv.) Brid. = *Bryum argenteum* Hedw.
Bryum lanuginosum (Hedw.) Broth. = *Racomitrium lanuginosum* (Hedw.) Brid.
Bryum latifolium Bruch & Schimp. *hom. illeg.* = *Bryum calophyllum* R. Br.
Bryum latifolium (Schwägr.) Brid. = *Bryum schleicheri* DC.
Bryum lescurianum Sull. = *Pohlia lescuriana* (Sull.) Ochi
Bryum leptostomum Schimp. = *Anomobryum julaceum* (Schrad. ex P. Gaertn et al.) Schimp.
Bryum ligulatum Sm. *nom. illeg.* = *Plagiomnium undulatum* (Hedw.) T.J. Kop.
 ? *Bryum lingulatum* Schreb. = *Plagiomnium undulatum* (Hedw.) T.J. Kop.
Bryum lisae De Not. = *Ptychostomum creberrimum* (Taylor) J.R. Spence & H.P. Ramsay
Bryum litorale Ryan & I. Hagen = *Ptychostomum archangelicum* (Bruch & Schimp.)
 J.R. Spence
Bryum longicollum Sw. *err. gram. pro Bryum longicolle* (Hedw.) Sw. = *Pohlia longicollis*
 (Hedw.) Lindb.
Bryum longisetum Blandow ex Schwägr. = *Ptychostomum longisetum* (Blandow ex
 Schwägr.) J.R. Spence
Bryum ludwigii Spreng. ex Schwägr. = *Pohlia ludwigii* (Spreng. ex Schwägr.) Broth.
Bryum ludwigii var. *latifolium* Schimp. = *Pohlia ludwigii* (Spreng. ex Schwägr.) Broth.
Bryum ludwigii var. *major* Schimp. = *Pohlia ludwigii* (Spreng. ex Schwägr.) Broth.
Bryum lundstroemii Arnold = *Ptychostomum pallens* (Sw.) J.R. Spence
Bryum macromitrium Jur. *nom. inval. in synonym. err. pro. Bryum macrostomum* Jur. = *Bryum*
klinggraeffii Schimp.
Bryum mairi Thér. & Trab. *nom. illeg.* [282]
Bryum marginatum Dicks. ex With. = *Mnium marginatum* (Dicks. ex With.) P. Beauv.
Bryum marginatum Bruch & Schimp. *nom. illeg.* = *Bryum atrovirens* var. *marginatum*
 (G. Roth) Wijk & Margad. [245]
Bryum marginatum sensu Machado-Guim. *non* Bruch & Schimp. = *Bryum minii* Podp. ex
 Machado-Guim.
Bryum maritimum Bomanss. = *Bryum knowltonii* Barnes
 ? *Bryum medium* Bruch & Schimp. = *Plagiomnium medium* (Bruch & Schimp.) T.J. Kop.
Bryum melanodon Brid. = *Pohlia melanodon* (Brid.) A.J. Shaw
 § *Bryum microcarpum* = *Racomitrium microcarpon* (Hedw.) Brid.
Bryum microerythrocarpum Müll. Hal. & Kindb. = *Bryum subapiculatum* Hampe
Bryum microstegium Bruch & Schimp. = *Bryum intermedium* (Brid.) Blandow
Bryum mildeanum Jur. = *Imbribryum mildeanum* (Jur.) J.R. Spence
Bryum mildeanum var. *proliferum* Debat = *Imbribryum alpinum* (Huds. ex With.)
 N. Pedersen
 # *Bryum mildeanum* var. *robustum* Meyl. *nom. nud.* = *Imbribryum mildeanum* (Jur.)
 J.R. Spence
Bryum moravicum Podp. = *Ptychostomum moravicum* (Podp.) Ros & Mazimpaka
Bryum mitaviense Mikut. = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra &
 Bednarek-Ochyra
Bryum mnoides Wilson *nom. inval. in synonym.* = *Rhizomnium pseudopunctatum* (Bruch &
 Schimp.) T.J. Kop.
Bryum muehlenbeckii Bruch & Schimp. = *Imbribryum alpinum* (Huds. ex With.)
 N. Pedersen
Bryum muehlenbeckii var. *abduanum* (Rota) Podp. *nom. illeg. incl. var. prior.* = *Imbribryum*
alpinum (Huds. ex With.) N. Pedersen
Bryum muehlenbeckii var. *obtusifolium* Machado-Guim. = *Imbribryum alpinum* (Huds. ex
 With.) N. Pedersen
Bryum muehlenbeckii var. *viride* J.J. Amann = *Imbribryum alpinum* (Huds. ex With.)
 N. Pedersen
Bryum muelleri Spruce = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
Bryum murale (Hedw.) With. = *Tortula muralis* Hedw.

- Bryum murale* Wilson *ex* Hunt. *hom. illeg.* = ***Bryum radiculosum*** Brid.
Bryum murorum (Schimp.) Berk. = ***Bryum radiculosum*** Brid.
Bryum naviculare Cardot = ***Pohlia obtusifolia*** (Brid.) L.F. Koch
Bryum neodamense Itzigs. = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay var. ***pseudotriquetrum***
Bryum neodamense var. *ovatum* Lindb. & Arnell = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay
Bryum nevadense Warnst. *hom. illeg.* = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay var. ***pseudotriquetrum***
Bryum nigricans Kaurin = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum nitens Harv. = ***Bryum apiculatum*** Schwägr.
Bryum norvegicum Gunn. *nom. inval.* = ***Bartramia halleriana*** Hedw.
Bryum notarisii Mitt. = ***Brachymenium notarisii*** (Mitt.) A.J. Shaw
Bryum nudum Dicks. = ***Discelium nudum*** (Dicks.) Brid.
Bryum nutans (Hedw.) Turner = ***Pohlia nutans*** (Hedw.) Lindb.
Bryum nutans var. *bicolor* Hoppe & Hornsch. = ***Pohlia nutans*** (Hedw.) Lindb.
Bryum nutans var. *gracilescens* Boulay *nom. illeg.* = ***Pohlia nutans*** (Hedw.) Lindb.
Bryum nutans var. *sphagnetorum* (Schimp.) Boulay = ***Pohlia nutans*** (Hedw.) Lindb.
Bryum obconicum Hornsch. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum obconicum *auct. non* Hornsch. = ***Ptychostomum torquescens*** (Bruch & Schimp.) Ros & Mazimpaka
Bryum obovatum Mitt. = ***Ptychostomum donianum*** (Grev.) Holyoak & N. Pedersen.
Bryum oederi Gunn. *nom. inval.* = ***Plagiopus oederianus*** (Sw.) H.A. Crum & L.E. Anderson
Bryum ovatum Jur. *hom. illeg.* = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay
Bryum opscarpum J.J. Amann = ***Bryum knowltonii*** Barnes
Bryum pachyloma Cardot = ***Ptychostomum donianum*** (Grev.) Holyoak & N. Pedersen
Bryum pachyloma var. *liguliforme* Podp. = ***Ptychostomum donianum*** (Grev.) Holyoak & N. Pedersen
Bryum pallens Sw. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens subsp. *eupallens* Podp. *nom. illeg.* = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens var. *abbreviatum* Schimp. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens var. *alpinum* (Bruch & Schimp.) Podp. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens var. *fallax* (Milde) Jur. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens var. *humile* Meyran *nom. nud.* = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens var. *microstomum* Bruch & Schimp. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
▶ *Bryum pallens* var. *obtusifolia* Funck = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallens var. *speciosum* (Voit) Fűrnr. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum pallescens Schleich. *ex* Schwägr. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum pallescens var. *boreale* (F. Weber & D. Mohr) Bruch & Schimp. *nom. illeg. prior. ut spec.* = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum pallescens var. *contextum* (Hornsch.) Huebener = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum pallescens var. *polygamum* Corb. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum pallescens var. *septentrionale* Schimp. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum pallescens var. *subrotundum* (Brid.) Bruch & Schimp. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra

- Bryum pallescens* var. *supra-alpinum* (Boulay) Payot = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Bryum pallidum* (Hedw.) Schreb. ex With. = *Ditrichum pallidum* (Hedw.) Hampe
- Bryum palustre* (Hedw.) Turner = *Aulacomnium palustre* (Hedw.) Schwägr.
- Bryum patens* Dicks. ex Hedw. = *Grimmia ramondii* (Lam. & DC.) Margad.
- Bryum payotii* Schimp. = *Anomobryum julaceum* (Schrad. ex P. Gaertn. et al.) Schimp.
- Bryum pellucidum* Jolycl. = *Dichodontium pellucidum* (Hedw.) Schimp.
- Bryum pendulum* (Hornsch.) Schimp. hom. illeg. = *Ptychostomum compactum* Hornsch.
- # *Bryum pendulum* var. *angustatum* Renauld nom. illeg. = *Ptychostomum compactum* var. *rutheanum* (Warnst.) Holyoak & N. Pedersen
- Bryum pendulum* var. *compactum* (Horsch.) Hartm. = *Ptychostomum compactum* Horsch.
- Bryum piriforme* Paris nom. inval. in synonym. err. orthogr. pro *B. pyriforme* (Hedw.) Lam. & DC. = *Leptobryum pyriforme* (Hedw.) Wilson
- ? *Bryum pyriforme* var. *dioicum* Debat nom. nud. = *Leptobryum pyriforme* (Hedw.) Wilson
- Bryum platyloma* Schwägr. = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
- ? *Bryum platyloma* Bruch & Schimp. nom. illeg. = *Ptychostomum donianum* (Grev.) Holyoak & N. Pedersen
- Bryum polymorphum* (Hoppe & Hornsch.) Hartm. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Bryum polymorphum* var. *brachycarpum* (Hoppe & Hornsch.) Bruch & Schimp. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- # *Bryum polymorphum* var. *strictum* Bruch & Schimp. = *Pohlia elongata* Hedw.
- Bryum polyphyllum* Dicks. ex With. nom. illeg. incl. spec. prior. = *Ptychomitrium polyphyllum* (Sw.) Bruch & Schimp.
- Bryum pomiforme* (Hedw.) With. = *Bartramia pomiformis* Hedw.
- Bryum proliferum* Lindb. & Arnell hom. illeg. = *Rhodobryum roseum* (Hedw.) Limpr.
- Bryum provinciale* H. Philib. = *Bryum canariense* Brid.
- Bryum pseudotriquetrum* (Hedw.) P. Gaertn. et al. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *algeriense* Corb. [198]
- Bryum pseudotriquetrum* var. *bimoideum* (De Not.) Mönk. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* subsp. *bimum* (Schreb.) Hartm. = *Ptychostomum pseudotriquetrum* var. *bimum* (Schreb.) Holyoak & N. Pedersen
- Bryum pseudotriquetrum* var. *bimum* (Schreb.) Lilj = *Ptychostomum pseudotriquetrum* var. *bimum* (Schreb.) Holyoak & N. Pedersen
- Bryum pseudotriquetrum* var. *brevifolium* (Machado-Guim.) Podp. = *Bryum minii* Podp. ex Machado-Guim.
- Bryum pseudotriquetrum* var. *cavifolium* Schimp. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay var. *pseudotriquetrum*
- Bryum pseudotriquetrum* var. *compactum* Bruch & Schimp. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *corconticum* Podp. [198]
- Bryum pseudotriquetrum* var. *duvalioides* Itzigs. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *flaccidum* Schimp. nom. illeg. incl. var. prior. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *gracilescens* Schimp. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *latifolium* (Lindb.) Limpr. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *maritimum* (Schimp. ex Warnst.) Podp. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
- Bryum pseudotriquetrum* var. *polytrichoides* Corb. [198]
- Bryum pseudotriquetrum* var. *pseudo-duvalii* Podp. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay

- Bryum pulchellum* Hedw. = *Pohlia lescuriana* (Sull.) Ochi
Bryum pulvinatum (Hedw.) With. = *Grimmia pulvinata* (Hedw.) Sm.
Bryum punctatum (Hedw.) Turner = *Rhizomnium punctatum* (Hedw.) T.J. Kop.
Bryum purpurascens (R. Br.) Bruch & Schimp. = *Ptychostomum arcticum* (R. Br.)
 J.R. Spence ex Holyoak & N. Pedersen
 # *Bryum pusillum* Hedw. *nom. inval.* = *Ditrichum pusillum* (Hedw.) Hampe
Bryum pyriferum Crundw. & H. Whitehouse = *Bryum valparaisense* Thér.
Bryum pyriforme (Hedw.) L. ex With. = *Physcomitrium pyriforme* (Hedw.) Bruch &
 Schimp.
Bryum pyriforme (Hedw.) Lam. & DC. *nom. illeg.* = *Leptobryum pyriforme* (Hedw.)
 Wilson
Bryum pyrrothecium J.J. Amann = *Ptychostomum archangelicum* (Bruch & Schimp.)
 J.R. Spence
Bryum radianii Podp. = *Ptychostomum imbricatum* (Müll. Hal.) Holyoak & N. Pedersen
Bryum recurvirostre (Hedw.) With. = *Bryoerythrophyllum recurvirostrum* (Hedw.)
 P.C. Chen
Bryum remelei Müll. Hal. [12]
Bryum rigidum (Hedw.) Dicks. ex With. = *Aloina rigida* (Hedw.) Limpr.
Bryum roellii H. Philib. = *Ptychostomum compactum* Hornsch.
Bryum roseum (Hedw.) Crom. = *Rhodobryum roseum* (Hedw.) Limpr.
Bryum rostratum Schrad. = *Plagiomnium rostratum* (Schrad.) T.J. Kop.
Bryum rubellum Hoffm. = *Bryoerythrophyllum recurvirostrum* (Hedw.) P.C. Chen
Bryum rubens Mitt. = *Ptychostomum rubens* (Mitt.) Holyoak & N. Pedersen
Bryum rubrum Huds. = *Dicranella varia* (Hedw.) Schimp.
Bryum rufescens With. = *Dicranella rufescens* (With.) Schimp.
Bryum rufifolium (Dixon) Demaret & R. Wilczek = *Ptychostomum capillare* (Hedw.)
 Holyoak & N. Pedersen
Bryum rurale (Hedw.) With. *corr. pro* *Bryum ruralis* = *Syntrichia ruralis* (Hedw.) F. Weber
 & D. Mohr
Bryum rutilans Brid. = *Ptychostomum pallens* (Sw.) J.R. Spence
 ► *Bryum sabaudiacum* J.J. Amann *nom. nud.* = *Ptychostomum creberrimum* (Taylor)
 J.R. Spence & H.P. Ramsay
Bryum sacrum (Lorentz) Müll. Hal. = *Bryum turbinatum* (Hedw.) Turner
Bryum sagittifolium Culm. = *Bryum weigelii* Spreng.
Bryum saharae Dixon = *Bryum canariense* Brid.
Bryum salakense Cardot EXCLUDED FROM THE AREA [334]
Bryum sanguineum Brid. *nom. illeg. incl. spec. prior.* = *Bryum erythrocarpum* complex
Bryum saxatile I. Hagen = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra &
 Bednarek-Ochyra
Bryum schleicheri var. *ahaggarensis* Thér. = *Bryum schleicheri* DC.
Bryum schleicheri var. *latifolium* (Schwägr.) Schimp. = *Bryum schleicheri* DC.
Bryum schleicheri f. *peracutifolium* Thér. [188]
Bryum schleicheri f. *stenophyllum* Thér. [188]
Bryum scoparium (Hedw.) Roucel = *Dicranum scoparium* Hedw.
Bryum scoticum (J.J. Amann) J.J. Amann = *Bryum calophyllum* R.Br.
Bryum serrulatum Cardot *hom. illeg.* = *Bryum canariense* Brid.
Bryum serrulatum Lag., D. García & Clemente = *Brachythecium rutabulum* (Hedw.)
 Schimp.
Bryum setaceum Brid. *nom. inval.* = *Barbula convoluta* Hedw.
Bryum setaceum Jolycl. = *Seligeria recurvata* (Hedw.) Bruch & Schimp.
Bryum schimperii Wilson *nom. inval. in synonym.* = *Pohlia drummondii* (Müll. Hal.)
 A.L. Andrews
Bryum siculum G. Roth = *Bryum cellulare* var. *siculum* (G. Roth) Podp. [296]
Bryum speciosum Voit = *Ptychostomum pallens* (Sw.) J.R. Spence
Bryum sphagni Brid. = *Bryum weigelii* Spreng.
Bryum sphagnicola Bruch & Schimp. = *Pohlia sphagnicola* (Bruch & Schimp.) Broth.

- Bryum spinosum* Voit = ***Mnium spinosum*** (Voit) Schwägr.
Bryum splachnoides (Harv.) Müll. Hal. *hom. illeg.* = ***Bryum cellulare*** Hook.
Bryum squarrosum Hedw. = ***Paludella squarrosa*** (Hedw.) Brid.
Bryum stellare (Hedw.) Sm. = ***Mnium stellare*** Hedw.
Bryum stenotrichum Müll. Hal. = ***Ptychostomum archangelicum*** (Bruch & Schimp.) J.R. Spence
Bryum stirtonii Schimp. = ***Bryum elegans*** Nees
Bryum striatum (Hedw.) L. *ex* With. = ***Orthotrichum striatum*** Hedw.
Bryum subbicolor Bryhn = ***Bryum dichotomum*** Hedw.
Bryum subelegans Kindb. = ***Ptychostomum pallens*** (Sw.) J.R. Spence
Bryum subelegans auct. non Kindb. = ***Ptychostomum moravicum*** (Podp.) Ros & Mazimpaka
Bryum subgemmauligerum Kindb. = ***Ptychostomum imbricatum*** (Müll. Hal.) Holyoak & N. Pedersen
Bryum subneodamense Kindb. = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay
Bryum subrotundum Brid. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum subulatum (Hedw.) With. = ***Tortula subulata*** Hedw.
Bryum syriacum Lorentz = ***Bryum turbinatum*** (Hedw.) Turner
Bryum syriacum var. *humile* Schiffn. = ***Bryum turbinatum*** (Hedw.) Turner
Bryum tardum Bom. = ***Ptychostomum boreale*** (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum tauriscorum Limpr. *nom. nud. in synon.* = ***Ptychostomum archangelicum*** (Bruch & Schimp.) J.R. Spence
Bryum teneriffae Hampe *ex* Müll. Hal. = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
Bryum tenue Ravaud *hom. illeg.* = ***Anomobryum julaceum*** (Schrad. *ex* P. Gaertn. *et al.*) Schimp.
Bryum tetragonum (Hedw.) Brid. = ***Conostomum tetragonum*** (Hedw.) Lindb.
Bryum theriotii H. Philib. = *Bryum inclinatum* var. *theriotii* (H. Philib.) Podp. *nom. inval.*
[248]
Bryum tophaceum Durieu & Mont. = ***Bryum gemmiparum*** De Not.
Bryum torquescens Bruch & Schimp. = ***Ptychostomum torquescens*** (Bruch & Schimp.) Ros & Mazimpaka
Bryum torquescens var. *gracile* Besch. = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
Bryum tortifolium Brid. = ***Ptychostomum cyclophyllum*** (Schwägr.) J.R. Spence
Bryum tortuosum (Hedw.) With. = ***Tortella tortuosa*** (Hedw.) Limpr.
Bryum tozeri Grev. = ***Epipterygium tozeri*** (Grev.) Lindb.
Bryum trabutii Thér. **[11]**
Bryum treubii Broth. = *Bryum salakense* Cardot EXCLUDED FROM THE AREA **[334]**
Bryum trichodes L. *ex* Sm. = ***Meesia uliginosa*** Hedw.
Bryum triquetrum Hook. & Taylor *hom. illeg.* = ***Meesia triquetra*** (L. *ex* Jolycl.) Ångstr.
Bryum truncatum With. = ***Tortula truncata*** (Hedw.) Mitt.
Bryum turbinatum var. *angustatum* Meyran *nom. nud.* = ***Bryum turbinatum*** (Hedw.) Turner
Bryum turbinatum var. *gracilescens* Schimp. = ***Bryum schleicheri*** DC.
Bryum turbinatum f. *gracilifolium* (Besch.) Podp. **[188]**
Bryum turbinatum var. *gracilifolium* Besch. = *Bryum turbinatum* f. *gracilifolium* (Besch.) Podp. **[188]**
Bryum turbinatum var. *latifolium* (Schwägr.) Bruch & Schimp. = ***Bryum schleicheri*** DC.
Bryum turbinatum var. *praelongum* Bruch & Schimp. = ***Bryum schleicheri*** DC.
Bryum turbinatum var. *riparium* J.J. Amann **[188]**
Bryum turbinatum subsp. *schleicheri* (DC.) Kindb. = ***Bryum schleicheri*** DC.
Bryum turbinatum var. *schleicheri* (DC.) Füernr. = ***Bryum schleicheri*** DC.

- Bryum uliginosum* (Brid.) Bruch & Schimp. = *Ptychostomum cernuum* (Hedw.) Hornsch.
Bryum umbratum I. Hagen = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
Bryum undulatum (Hedw.) With. = *Atrichum undulatum* (Hedw.) P. Beauv.
Bryum unguiculatum (Hedw.) With. = *Barbula unguiculata* Hedw.
Bryum vaginale Dicks. ex With. = *Dicranella crispa* (Hedw.) Schimp.
Bryum validicostatum Cardot & Dixon = *Ptychostomum capillare* (Hedw.) Holyoak & N. Pedersen
Bryum ventricosum Dicks. *nom. illeg.* = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum ventricosum Relhan *nom. illeg. incl. spec. prior.* = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum ventricosum var. *algeriense* Corb. *nom. illeg.* = *Bryum pseudotriquetrum* var. *algeriense* Corb. [198]
Bryum ventricosum var. *brevifolium* Machado-Guim. = *Bryum minii* Podp. ex Machado-Guim.
Bryum ventricosum var. *compactum* (Bruch & Schimp.) Lindb. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum ventricosum var. *duvalioides* (Itzigs.) Glow. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum ventricosum var. *flaccidum* (Schimp.) Jelenc = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
\$ *Bryum ventricosum* f. *fraxlerii* = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum ventricosum var. *gracilescens* (Schimp.) Lindb. = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
\$ *Bryum ventricosum* f. *mucronatum* = *Ptychostomum pseudotriquetrum* (Hedw.) J.R. Spence & H.P. Ramsay
Bryum venturii De Not. = *Sciuro-hypnum glaciale* (Schimp.) Ignatov & Huttunen
Bryum venustum Bom. = *Bryum intermedium* (Brid.) Blandow
Bryum veronense De Not. = *Bryum argenteum* Hedw.
Bryum versicolor A. Braun ex Bruch & Schimp. = *Bryum dichotomum* Hedw.
Bryum verticillatum With. = *Eucladium verticillatum* (With.) Bruch & Schimp.
Bryum virens Sw. *nom. inval.* = *Oncophorus virens* (Hedw.) Brid.
Bryum viridissimum Dicks. = *Zygodon viridissimus* (Dicks.) Brid.
Bryum viridulum Dicks. = *Weissia controversa* Hedw.
Bryum wahlenbergii (F. Weber & D. Mohr) Schwäger. = *Pohlia wahlenbergii* (F. Weber & D. Mohr) A.L. Andrews
Bryum weigelii subsp. *sagittifolium* (Culm.) Podp. = *Bryum weigelii* Spreng.
Bryum zierii Hedw. = *Ptychostomum zierii* (Hedw.) Holyoak & N. Pedersen
Buckiella undulata (Hedw.) Ireland = *Plagiothecium undulatum* (Hedw.) Schimp.
Bucklandiella affinis (F. Weber & D. Mohr) Bednarek-Ochyra & Ochyra = *Racomitrium affine* (F. Weber & D. Mohr) Lindb.
Bucklandiella heterosticha (Hedw.) Bednarek-Ochyra & Ochyra = *Racomitrium heterostichum* (Hedw.) Brid.
Bucklandiella macounii (Kindb.) Bednarek-Ochyra & Ochyra = *Racomitrium macounii* Kindb.
Bucklandiella microcarpa (Hedw.) Bednarek-Ochyra & Ochyra = *Racomitrium microcarpon* (Hedw.) Brid.
Bucklandiella sudetica (Funck) Bednarek-Ochyra & Ochyra = *Racomitrium sudeticum* (Funck) Bruch & Schimp.
Buxbaumia foliosa Hedw. = *Diphyscium foliosum* (Hedw.) D. Mohr
Buxbaumia indusiata Brid. = *Buxbaumia viridis* (Moug. ex Lam. & DC.) Brid. ex Moug. & Nest.

C

- Callialaria curvicaulis* (Jur.) Ochyra = *Cratoneuron curvicaule* (Jur.) G. Roth
Calliergon cuspidatum (Hedw.) Kindb. = *Calliergonella cuspidata* (Hedw.) Loeske
Calliergon giganteum var. *brevifolium* (Limpr.) Warnst. = *Calliergon giganteum* (Schimp.) Kindb.
Calliergon giganteum var. *dendroides* (Limpr.) G. Roth = *Calliergon giganteum* (Schimp.) Kindb.
Calliergon giganteum var. *fluitans* (Klinggr.) G. Roth = *Calliergon giganteum* (Schimp.) Kindb.
▶ *Calliergon giganteum* var. *simplex* Hillier = *Calliergon giganteum* (Schimp.) Kindb.
Calliergon micans (Mitt.) Kindb. = *Sematophyllum micans* (Mitt.) Braithw.
Calliergon sarmentosum (Wahlenb.) Kindb. = *Sarmentypnum sarmentosum* (Wahlenb.) Tuom. & T.J. Kop.
Calliergon solitarium (H. Möller) Broth. = *Climacium dendroides* (Hedw.) F. Weber & D. Mohr
Calliergon stramineum (Dicks. ex Brid.) Kindb. = *Straminergon stramineum* (Dicks. ex Brid.) Hedenäs
Calliergon stramineum var. *nivale* Lorentz = *Straminergon stramineum* (Dicks. ex Brid.) Hedenäs
Calliergon trifarium (F. Weber & D. Mohr) Kindb. = *Drepanocladus trifarius* (F. Weber & D. Mohr) Broth. ex Paris
Calliergon turgescens (T. Jensen) Kindb. = *Drepanocladus turgescens* (T. Jensen) Broth.
Calliergonella cuspidata var. *fluitans* Klinggr. = *Calliergonella cuspidata* (Hedw.) Loeske
Calliergonella cuspidata var. *laxum* (Warnst.) Latzel = *Calliergonella cuspidata* (Hedw.) Loeske
Calliergonella cuspidata var. *pungens* (Schimp.) Latzel = *Calliergonella cuspidata* (Hedw.) Loeske
Calymperes sommierei Bott. = *Calymperes erosum* Müll. Hal.
Camptothecium aureum (Spruce) Schimp. = *Homalothecium aureum* (Spruce) H. Rob.
Camptothecium caucasicum Limpr. = *Brachythecium geheebii* Milde
Camptothecium fallax H. Philib. = *Homalothecium lutescens* var. *fallax* (H. Philib.) Delogne
Camptothecium geheebii (Milde) Kindb. = *Brachythecium geheebii* Milde
Camptothecium lutescens (Hedw.) Schimp. = *Homalothecium lutescens* (Hedw.) H. Rob.
Camptothecium lutescens subsp. *fallax* (H. Philib.) Breidl. = *Homalothecium lutescens* var. *fallax* (H. Philib.) Delogne
Camptothecium lutescens var. *fallax* (H. Philib.) Düll = *Homalothecium lutescens* var. *fallax* (H. Philib.) Delogne
Camptothecium nitens (Hedw.) Schimp. = *Tomentypnum nitens* (Hedw.) Loeske
Camptothecium philippeanum (Spruce) Kindb. = *Homalothecium philippeanum* (Spruce) Schimp.
Camptothecium sericeum (Hedw.) Kindb. = *Homalothecium sericeum* (Hedw.) Schimp.
Camptothecium trichoides Lindb. *nom. illeg. incl. spec. prior.* = *Tomentypnum nitens* (Hedw.) Loeske
Campylium brachycarpum G. Roth = *Warnstorfia fluitans* (Hedw.) Loeske
Campylium calcareum Crundw. & Nyholm = *Campylophyllum calcareum* (Crundw. & Nyholm) Hedenäs
Campylium chrysophyllum (Brid.) Lange = *Campyliadelphus chrysophyllus* (Brid.) R.S. Chopra
Campylium elodes (Lindb.) Kindb. = *Campyliadelphus elodes* (Lindb.) Kanda
Campylium elodes var. *falcatum* (Milde) Baur = *Campyliadelphus elodes* (Lindb.) Kanda
Campylium elodes var. *hamulosum* (Schimp.) G. Roth = *Campyliadelphus elodes* (Lindb.) Kanda
Campylium halleri (Hedw.) Lindb. = *Campylophyllum halleri* (Hedw.) M. Fleisch.
Campylium helodes (Spruce) Broth. *nom. inval. err. orthogr. pro C. elodes* = *Campyliadelphus elodes* (Lindb.) Kanda

- Campylium hispidulum* auct. eur. non (Brid.) Mitt. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Campylium hispidulum* var. *sommerfeltii* (Myrin) Lindb. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Campylium hispidulum* var. *sommerfeltii* auct. eur. non (Myrin) Lindb. = ***Campylophyllum calcareum*** (Crundw. & Nyholm) Hedenäs
- Campylium hygrophilum* (Jur.) Kindb. = ***Pseudocampylium radicale*** (P. Beauv.) Vanderp. & Hedenäs
- Campylium polygamum* (Schimp.) C.E.O. Jensen = ***Drepanocladus polygamus*** (Schimp.) Hedenäs
- Campylium polygamum* var. *fallaciosum* (Jur.) G. Roth = ***Drepanocladus polygamus*** (Schimp.) Hedenäs
- Campylium polygamum* var. *minus* (Schimp.) G. Roth = ***Drepanocladus polygamus*** (Schimp.) Hedenäs
- Campylium radicale* (P. Beauv.) Grout = ***Pseudocampylium radicale*** (P. Beauv.) Vanderp. & Hedenäs
- Campylium serratum* Cardot & Winter = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Campylium sommerfeltii* (Myrin) Lange = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Campylium sommerfeltii* auct. eur. non (Myrin) Lange = ***Campylophyllum calcareum*** (Crundw. & Nyholm) Hedenäs
- Campylium stellatum* subsp. *protensum* (Brid.) C. Jens. = ***Campylium protensum*** (Brid.) Kindb.
- Campylium stellatum* var. *protensum* (Brid.) Brynh. = ***Campylium protensum*** (Brid.) Kindb.
- Campylium zemliae* (C.E.O. Jensen) Lange & C.E.O. Jensen = ***Drepanocladus polygamus*** (Schimp.) Hedenäs
- Campylophyllum hispidulum* auct. eur. non (Brid.) Hedenäs = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Campylopodium euphorocladum* (Müll. Hal.) Besch. = ***Microcampylopus laevigatus*** (Thér.) Giese & J.-P. Frahm
- # *Campylopodium euphorocladum* var. *angustifolium* Thér. = ***Microcampylopus laevigatus*** (Thér.) Giese & J.-P. Frahm
- Campylopodium euphorocladum* var. *laevigatum* (Thér.) Luisier = ***Microcampylopus laevigatus*** (Thér.) Giese & J.-P. Frahm
- Campylopodium leiotheca* Dixon & Luisier = ***Microcampylopus laevigatus*** (Thér.) Giese & J.-P. Frahm
- Campylopus adustus* De Not. = ***Campylopus atrovirens*** De Not.
- Campylopus alpinus* Schimp. = ***Dicranodontium denudatum*** (Brid.) E. Britton
- Campylopus ampliretis* (Müll. Hal.) Paris = ***Campylopus flaccidus*** Renauld & Cardot
- Campylopus atroluteus* (Müll. Hal.) Paris = ***Campylopus incrassatus*** Müll. Hal.
- Campylopus atrovirens* var. *adustus* (De Not.) Husn. = ***Campylopus atrovirens*** De Not.
- Campylopus azoricus* Mitt. = ***Campylopus pyriformis*** (Schultz) Brid.
- Campylopus bartramiaceus* (Müll. Hal.) Par. sensu Mac. = ***Campylopus incrassatus*** Müll. Hal.
- Campylopus brevifolius* Schimp. = ***Campylopus subulatus*** Schimp. ex Milde
- Campylopus brevipilus* var. *elatus* (Cardot) Cardot = ***Campylopus brevipilus*** Bruch & Schimp.
- Campylopus brevipilus* var. *marginatulus* (Geh.) Thér. = ***Ditrichum punctulatum*** Mitt.
- Campylopus calvatus* Dixon = ***Campylopus pyriformis*** (Schultz) Brid.
- Campylopus carreiroanus* Cardot = ***Campylopus shawii*** Wilson
- \$ *Campylopus carreiroanus* f. *longifolia* = ***Campylopus shawii*** Wilson
- \$ *Campylopus carreiroanus* f. *minor* = ***Campylopus shawii*** Wilson
- Campylopus cirrhatus* Hornsch. = ***Cynodontium gracilescens*** (F. Weber & D. Mohr) Schimp.
- Campylopus dixonii* Luisier = ***Campylopus incrassatus*** Müll. Hal.
- Campylopus densus* Bruch & Schimp. = ***Campylopus fragilis*** (Brid.) Bruch & Schimp.
- Campylopus eximius* Reichardt = ***Campylopus incrassatus*** Müll. Hal.

- Campylopus flexuosus* var. *azoricus* (Mitt.) Thér. = *Campylopus pyriformis* (Schultz) Brid.
Campylopus flexuosus var. *fayalensis* Cardot = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus flexuosus var. *flagelliferus* Renauld = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus flexuosus var. *major* Boulay = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus flexuosus var. *menezesianum* Luisier = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus flexuosus var. *paradoxus* (Wilson) Husn. = *Campylopus flexuosus* (Hedw.)
 Brid.
Campylopus flexuosus var. *uliginosus* Renauld = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus flexuosus var. *zonatus* (Molendo) Anzi = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus fragilis var. *brunnescens* Winter = *Campylopus fragilis* (Brid.) Bruch &
 Schimp.
Campylopus fragilis var. *densus* (Bruch & Schimp.) Walth. & Molendo = *Campylopus*
fragilis (Brid.) Bruch & Schimp.
Campylopus fragilis var. *gracilis* Schiffn. = *Campylopus fragilis* (Brid.) Bruch & Schimp.
Campylopus fragilis var. *laetevirens* (Müll. Hal.) Corb. = *Campylopus fragilis* (Brid.) Bruch
 & Schimp.
 § *Campylopus fragilis* f. *minor* = *Campylopus fragilis* (Brid.) Bruch & Schimp.
Campylopus fragilis var. *pyriformis* (Schultz) Agst. = *Campylopus pyriformis* (Schultz)
 Brid.
Campylopus intermedius Wils. in Hunt nom. nud. = *Dicranodontium denudatum* (Brid.)
 E. Britton
Campylopus introflexus var. *polytrichoides* (De Not.) Giac. = *Campylopus pilifer* Brid.
Campylopus introflexus var. *vaporarius* (De Not.) Mönk. = *Campylopus pilifer* Brid.
Campylopus introflexus var. *tullgreni* (Renauld & Cardot) Thér. = *Campylopus pilifer* Brid.
 § *Campylopus introflexus* var. *tullgreni* f. *minor* = *Campylopus pilifer* Brid.
Campylopus laete-virens (Müll. Hal.) A. Jaeger = *Campylopus fragilis* (Brid.) Bruch &
 Schimp.
Campylopus longipilus Brid. nom. illeg. incl. spec. prior. = *Campylopus pilifer* Brid.
Campylopus madeirensis Geh. = *Ditrichum punctulatum* Mitt.
Campylopus marginatulus Geh. = *Ditrichum punctulatum* Mitt.
Campylopus mildei Limpr. = *Campylopus oerstedianus* (Müll. Hal.) Mitt.
Campylopus muelleri Jur. = *Campylopus pyriformis* (Schultz) Brid.
Campylopus paradoxus Wilson = *Campylopus flexuosus* (Hedw.) Brid.
 § *Campylopus paradoxus* var. *flagellare* = *Campylopus flexuosus* (Hedw.) Brid.
Campylopus pilifer var. *brevirameus* (Dixon) J.-P. Frahm & M. Stech [120]
Campylopus pilifer var. *tullgrenii* (Renauld & Cardot) Thér. = *Campylopus pilifer* Brid.
Campylopus pilifer subsp. *vaporarius* (De Not.) Brullo, Privitera & Puglisi = *Campylopus*
pilifer Brid.
Campylopus piriformis Brid. ex Paris err. orthogr. pro *C. pyriformis* = *Campylopus*
pyriformis (Schultz) Brid.
 § *Campylopus piriformis* f. *gracilis* = *Campylopus pyriformis* (Schultz) Brid.
 # *Campylopus piriformis* var. *fragilis* Husn. = *Campylopus pyriformis* (Schultz) Brid.
Campylopus polytrichoides De Not. = *Campylopus pilifer* Brid.
 # *Campylopus polytrichoides* var. *flevescens* Luisier = *Campylopus pilifer* Brid.
Campylopus polytrichoides var. *tullgrenii* Renauld & Cardot = *Campylopus pilifer* Brid.
Campylopus polytrichoides var. *vaporarius* De Not. = *Campylopus pilifer* Brid.
Campylopus pyriformis var. *azoricus* (Mitt.) Corley = *Campylopus pyriformis* (Schultz)
 Brid.
 § *Campylopus pyriformis* f. *longifolia* = *Campylopus pyriformis* (Schultz) Brid.
Campylopus pyriformis var. *muelleri* (Jur.) Braithw. = *Campylopus pyriformis* (Schultz)
 Brid.
Campylopus schwarzii Schimp. = *Campylopus gracilis* (Mitt.) A. Jaeger
Campylopus setaceus Cardot = *Campylopus cygneus* (Hedw.) Brid.
 § *Campylopus setaceus* f. *brevifolia* = *Campylopus cygneus* (Hedw.) Brid.
 § *Campylopus setaceus* var. *latinervis* = *Campylopus cygneus* (Hedw.) Brid.
 § *Campylopus setaceus* f. *longifolia* = *Campylopus cygneus* (Hedw.) Brid.

- § *Campylopus setaceus* f. *minor* = ***Campylopus cygneus*** (Hedw.) Brid.
Campylopus subintroflexus Kindb. = ***Campylopus pilifer*** Brid.
Campylopus subulatus var. *schimperi* (J. Milde) Husn. = ***Campylopus schimperi*** J. Milde
Campylopus torfaceus Bruch & Schimp. = ***Campylopus pyriformis*** (Schultz) Brid.
Campylopus tullgrenii Renauld & Cardot = ***Campylopus pilifer*** Brid.
Campylopus vaporarius Bolle *nom. nud.* = ***Campylopus pilifer*** Brid.
Campylopus viridis Sull. & Lesq. = ***Dicranum viride*** (Sull. & Lesq.) Lindb.
Campylosteleum name invalid orthog. err. orthogr. pro Campylostelium = ***Campylostelium***
 Bruch & Schimp.
Catharinaea angustata (Brid.) Brid. = ***Atrichum angustatum*** (Brid.) Bruch & Schimp.
Catharinaea angustata var. *rhystophylla* (Müll. Hal.) Dixon = ***Atrichum angustatum*** (Brid.)
 Bruch & Schimp.
Catharinaea hercynica (Hedw.) F. Weber & D. Mohr = ***Oligotrichum hercynicum*** (Hedw.)
 Lam. & DC.
Catharinaea hercynica Ehrh. *nom. illeg.* = ***Oligotrichum hercynicum*** (Hedw.) Lam. & DC.
Catharinaea papillosa Jenn. = ***Atrichum angustatum*** (Brid.) Bruch & Schimp.
Catharinaea rhystophylla Müll. Hal. = ***Atrichum angustatum*** (Brid.) Bruch & Schimp.
Catharinaea tenella Röhl. = ***Atrichum tenellum*** (Röhl.) Bruch & Schimp.
Catharinaea undulata (Hedw.) F. Weber & D. Mohr = ***Atrichum undulatum*** (Hedw.)
 P. Beauv.
Catharinaea undulata var. *minor* (Hedw.) F. Weber & D. Mohr = ***Atrichum tenellum*** (Röhl.)
 Bruch. & Schimp.
Ceratodon cedricola J.J. Amann = ***Ceratodon conicus*** (Hampe) Lindb.
Ceratodon chloropus (Brid.) Brid. = ***Cheilothela chloropus*** (Brid.) Broth.
Ceratodon corsicus Bruch & Schimp. = ***Ceratodon purpureus*** subsp. ***stenocarpus*** (Bruch &
 Schimp. ex Müll. Hal.) Dixon
Ceratodon cylindricus (Hedw.) Fürnr. = ***Trichodon cylindricus*** (Hedw.) Schimp.
Ceratodon purpureus var. *brevifolius* Milde = ***Ceratodon purpureus*** (Hedw.) Brid. subsp.
purpureus
Ceratodon purpureus var. *canariensis* Schiffn. = ***Ceratodon purpureus*** subsp. ***stenocarpus***
 (Bruch. & Schimp. ex Müll. Hal.) Dixon
Ceratodon purpureus var. *conicus* (Hampe) Husn. = ***Ceratodon conicus*** (Hampe) Lindb.
Ceratodon purpureus var. *corsicus* (Bruch & Schimp.) Limpr. = ***Ceratodon purpureus*** subsp.
stenocarpus (Bruch. & Schimp. ex Müll. Hal.) Dixon
Ceratodon purpureus var. *crispus* Warnst. = ***Ceratodon purpureus*** (Hedw.) Brid. subsp.
purpureus
Ceratodon purpureus f. *cuspidatus* (Warnst.) Podp. = ***Ceratodon purpureus*** (Hedw.) Brid.
 subsp. ***purpureus***
Ceratodon purpureus var. *cuspidatus* Warnst. = ***Ceratodon purpureus*** (Hedw.) Brid. subsp.
purpureus
Ceratodon purpureus var. *flavisetus* Limpr. = ***Ceratodon purpureus*** (Hedw.) Brid. subsp.
purpureus
Ceratodon purpureus f. *graefii* (Schlieph. ex Limpr.) Mönk. = ***Ceratodon conicus*** (Hampe)
 Lindb.
Ceratodon purpureus var. *graefii* Schlieph. ex Limpr. = ***Ceratodon conicus*** (Hampe) Lindb.
Ceratodon purpureus var. *pallidisetus* Luisier = ***Ceratodon purpureus*** (Hedw.) Brid. subsp.
purpureus
Ceratodon purpureus var. *palustris* (Brid. ex Schumach.) Brid. = ***Ceratodon purpureus***
 (Hedw.) Brid. subsp. ***purpureus***
Ceratodon purpureus var. *rotundifolius* Berggr. = ***Ceratodon heterophyllus*** Kindb.
 EXCLUDED FROM THE AREA [5]
Ceratodon purpureus var. *xanthopus* Sull. = ***Ceratodon purpureus*** (Hedw.) Brid. subsp.
purpureus
Ceratodon stenocarpus Bruch & Schimp. ex Müll. Hal. = ***Ceratodon purpureus*** subsp.
stenocarpus (Bruch. & Schimp. ex Müll. Hal.) Dixon

- Ceratodon stenocarpus* var. *corsicus* (Bruch & Schimp.) Podp. = *Ceratodon purpureus* subsp. *stenocarpus* (Bruch & Schimp. ex Müll. Hal) Dixon
- Chamberlainia albicans* (Hedw.) H. Rob. = *Brachythecium albicans* (Hedw.) Schimp.
- Chamberlainia campestris* (Müll. Hal.) H. Rob. = *Brachythecium campestre* (Müll. Hal.) Schimp.
- Chamberlainia collina* (Schleich. ex Müll. Hal.) H. Rob. = *Brachytheciastrum collinum* (Schleich. ex Müll. Hal.) Ignatov & Huttunen
- Chamberlainia oxyclada* auct. non (Brid.) H. Rob. = *Brachythecium laetum* (Brid.) Schimp.
- Chamberlainia roteana* (De Not.) H. Rob. = *Brachythecium capillaceum* (F. Weber & D. Mohr) Giacom.
- Chamberlainia salebrosa* (Hoffm. ex F. Weber & D. Mohr) H. Rob. = *Brachythecium salebrosus* (Hoffm. ex F. Weber & D. Mohr) Schimp.
- Chamberlainia turgida* (Hartm.) H. Rob. = *Brachythecium turgidum* (Hartm.) Kindb.
- Chamberlainia velutina* (Hedw.) H. Rob. = *Brachytheciastrum velutinum* (Hedw.) Ignatov & Huttunen
- Chenia leptophylla* (Müll. Hal.) R.H. Zander = *Leptophascum leptophyllum* (Müll. Hal.) J. Guerra & M.J. Cano
- Chenia rhizophylla* (Sakurai) R.H. Zander = *Leptophascum leptophyllum* (Müll. Hal.) J. Guerra & M.J. Cano
- Chrysobryum micans* Lindb. gen. inval. = *Hageniella micans* (Mitt.) B.C. Tan & Y. Jia
- Chrysohypnum chrysophyllum* (Brid.) Loeske = *Campyliadelphus chrysophyllus* (Brid.) R.S. Chopra
- Chrysohypnum halleri* (Sw. ex Hedw.) G. Roth = *Campylophyllum halleri* (Hedw.) M. Fleisch.
- Chrysohypnum polygamum* (Schimp.) Loeske = *Drepanocladus polygamus* (Schimp.) Hedenäs
- Chrysohypnum sommerfeltii* Myrin = *Campylophyllum sommerfeltii* (Myrin) Hedenäs
- Chrysohypnum stellatum* (Hedw.) Loeske = *Campylium stellatum* (Hedw.) Lange & C.E.O. Jensen
- Chrysohypnum stellatum* var. *protensum* (Brid.) Mönk. = *Campylium protensum* (Brid.) Kindb.
- Cinclidium hymenophyllum* (Bruch & Schimp.) Lindb. = *Cyrtomnium hymenophyllum* (Bruch & Schimp.) Holmen EXCLUDED FROM THE AREA [273]
- Cinclidotus brebissonii* (Brid.) Husn. = *Dialytrichia mucronata* (Brid.) Broth.
- Cinclidotus falcatus* Kindb. = *Cinclidotus aquaticus* (Hedw.) Bruch & Schimp.
- Cinclidotus fontinaloides* var. *laxus* Meyran nom. nud. [150]
- Cinclidotus fontinaloides* var. *lorentzianus* Molendo [150]
- Cinclidotus fontinaloides* var. *madeirensis* Cardot = *Cinclidotus fontinaloides* (Hedw.) P. Beauv.
- Cinclidotus fontinaloides* var. *obtusifolius* Corb. in Meyran nom. nud. [150]
- Cinclidotus minor* Lindb. = *Cinclidotus fontinaloides* (Hedw.) P. Beauv.
- Cinclidotus mucronatus* (Brid.) Machado-Guim. = *Dialytrichia mucronata* (Brid.) Broth.
- Cinclidotus mucronatus* var. *fragilifolius* Bizot & J. Roux = *Dialytrichia saxicola* (Lamy) M.J. Cano
- Cinclidotus nigricans* (Brid.) Wijk & Margad. = *Cinclidotus riparius* (Host ex Brid.) Arn.
- Cinclidotus nyholmiae* Çetin = *Cinclidotus pachyloma* Salmon
- Cinclidotus riparius* var. *terrestris* Bruch & Schimp. = *Dialytrichia mucronata* (Brid.) Broth.
- Cirriphyllum apiculigerum* (Lindb. & Arnell) Broth. = *Sciuro-hypnum ornellanum* (Molendo) Ignatov & Huttunen
- Cirriphyllum cirrosum* (Schwägr.) Grout = *Brachythecium cirrosum* (Schwägr.) Schimp.
- Cirriphyllum cirrosum* var. *funckii* (Schimp.) Herz. = *Cirriphyllum crassinervium* (Taylor) Loeske & M. Fleisch.
- Cirriphyllum cirrosum* var. *molendoi* (Schimp.) Mönk. = *Brachythecium cirrosum* (Schwägr.) Schimp.
- Cirriphyllum crassinervium* var. *turgescens* (Molendo) Mönk. = *Cirriphyllum crassinervium* (Taylor) Loeske & M. Fleisch.

- Cirriphyllum filiforme* (Lam.) Broth. *nom. illeg. incl. spec. prior.* = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
Cirriphyllum flotowianum (Sendtn.) Karth. = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
Cirriphyllum germanicum (Grebe) Loeske & M. Fleisch. = ***Rhynchostegiella tenuicaulis*** (Spruce) Kartt.
Cirriphyllum illecebrum auct. non (Hedw.) L.F. Koch = ***Scleropodium tourettii*** (Brid.) L.F. Koch
Cirriphyllum ornellanum (Molendo) Loeske = ***Sciuro-hypnum ornellanum*** (Molendo) Ignatov & Huttunen
Cirriphyllum reichenbachianum (Huebener) Wijk & Margad. = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
Cirriphyllum tenuinerve (Lindb.) Wijk & Margad. = ***Brachythecium tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen
Cirriphyllum tommasinii (Sendt. ex Boulay) Grout = ***Brachythecium tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen
§ *Cirriphyllum tommasinii* var. *fagineum* = ***Rhynchostegiella tenuicaulis*** (Spruce) Kartt.
Cirriphyllum vaucheri (Schimp.) M. Fleisch. & Loeske = ***Brachythecium tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen
Cirriphyllum velutinoides (Schimp.) Loeske & M. Fleisch. *nom. illeg. incl. spec. prior.* = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
§ *Cladodium arcticum* = ***Ptychostomum arcticum*** (R. Br.) J.R. Spence ex Holyoak & N. Pedersen
§ *Cladodium cernuum* = ***Ptychostomum cernuum*** (Hedw.) Hornsch.
Cladodium inclinatum (Sw. ex Brid.) Brid. = ***Ptychostomum archangelicum*** (Bruch & Schimp.) J.R. Spence
§ *Cladodium lacustre* = ***Bryum knowltonii*** Barnes
Cladodium uliginosum Brid. = ***Ptychostomum cernuum*** (Hedw.) Hornsch.
Claopodium algarvicum (Schimp.) G. Roth = ***Claopodium whippleanum*** (Sull.) Renauld & Cardot
Clasmatodon parvulus (Hampe) Sull. EXCLUDED FROM THE AREA [113]
Climacium dendroides var. *depauperatum* (Boulay) Mans. = ***Climacium dendroides*** (Hedw.) F. Weber & D. Mohr
Climacium dendroides var. *inundatum* Molendo = ***Climacium dendroides*** (Hedw.) F. Weber & D. Mohr
Codriophorus acicularis (Hedw.) P. Beauv. = ***Racomitrium aciculare*** (Hedw.) Brid.
Codriophorus aquaticus (Brid. ex Schrad.) Bednarek-Ochyra & Ochyra = ***Racomitrium aquaticum*** (Brid. ex Schrad.) Brid.
Conomitrium julianum (Savi ex DC.) Mont. = ***Fissidens fontanus*** (Bach. Pyl.) Steud.
Conostomum boreale Sw. = ***Conostomum tetragonum*** (Hedw.) Lindb.
Coscinodon cribrosus var. *epilosus* Cardot ex Loeske *nom. illeg.* = ***Coscinodon cribrosus*** (Hedw.) Spruce
Coscinodon cribrosus var. *humilis* (Milde) G. Roth = ***Coscinodon humilis*** Milde
Coscinodon cribrosus var. *subperforatus* H. Philib. = ***Coscinodon cribrosus*** (Hedw.) Spruce
Coscinodon pulvinatus Spreng. *nom. illeg. incl. spec. prior.* = ***Coscinodon cribrosus*** (Hedw.) Spruce
Crassiphyllum fernandesii (Sérgio) Ochyra = ***Thamnobryum fernandesii*** Sérgio
Cratoneuron arcticum auct. non Steere = ***Cratoneuron filicinum*** (Hedw.) Spruce
Cratoneuron commutatum (Hedw.) G. Roth = ***Palustriella commutata*** (Hedw.) Ochyra
Cratoneuron commutatum var. *elegantulum* (De Not.) A. Jaeger = ***Palustriella commutata*** (Hedw.) Ochyra
Cratoneuron commutatum var. *eucommutatum* Mönk. *nom. illeg.* = ***Palustriella commutata*** (Hedw.) Ochyra
Cratoneuron commutatum subsp. *falcatum* (Brid.) Giac. = ***Palustriella falcata*** (Brid.) Hedenäs

- Cratoneuron commutatum* var. *falcatum* (Brid.) Mönk. = ***Palustriella falcata*** (Brid.) Hedenäs
- Cratoneuron commutatum* var. *fluctuans* (Schimp.) Wijk & Margad. = ***Palustriella commutata*** (Hedw.) Ochyra
- Cratoneuron commutatum* var. *irrigatum* (J.E. Zetterst.) Mönk. = ***Palustriella commutata*** (Hedw.) Ochyra
- Cratoneuron commutatum* var. *pseudodecipiens* J.J. Amann = ***Palustriella commutata*** var. *pseudodecipiens* (J.J. Amann) Ochyra [277]
- Cratoneuron commutatum* var. *sulcatum* (Lindb.) Mönk. = ***Palustriella falcata*** (Brid.) Hedenäs
- Cratoneuron commutatum* var. *virescens* (Schimp.) P.W. Richards & E.C. Wallace = ***Palustriella commutata*** (Hedw.) Ochyra
- Cratoneuron decipiens* (De Not.) Loeske = ***Palustriella decipiens*** (De Not.) Ochyra
- Cratoneuron falcatum* Brid. = ***Palustriella falcata*** (Brid.) Hedenäs
- § *Cratoneuron fallax* = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *atrovirens* (Brid.) Ochyra = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *crassinervium* (Renauld) Podp. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* subsp. *curvicaule* (Jur.) Broth. = ***Cratoneuron curvicaule*** (Jur.) G. Roth
- Cratoneuron filicinum* var. *curvicaule* (Jur.) Mönk. = ***Cratoneuron curvicaule*** (Jur.) G. Roth
- Cratoneuron filicinum* subsp. *fallax* (Brid.) Giac. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *fallax* (Brid.) G. Roth = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *filiforme* (Paris) Wijk & Margad. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *formianum* (Fior.-Mazz.) Latzel = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *gracilescens* (Brid.) G. Roth = ***Cratoneuron filicinum*** (Hedw.) Spruce
- *Cratoneuron filicinum* var. *tenue* Boulay = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* f. *trichodes* (Brid.) Mönk. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron filicinum* var. *trichodes* (Brid.) G. Roth = ***Cratoneuron filicinum*** (Hedw.) Spruce
- § *Cratoneuron filicinum* var. *vallis-clausae* = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Cratoneuron glaucum* G. Roth = ***Palustriella commutata*** (Hedw.) Ochyra
- Cratoneuron glaucum* var. *falcatum* (Brid.) G. Roth = ***Palustriella falcata*** (Brid.) Hedenäs
- Cratoneuron glaucum* var. *sulcatum* (Lindb.) G. Roth = ***Palustriella falcata*** (Brid.) Hedenäs
- Cratoneuron irrigatum* (J.E. Zetterst.) G. Roth = ***Palustriella commutata*** (Hedw.) Ochyra
- Cratoneuron sulcatum* (Lindb.) G. Roth = ***Palustriella falcata*** (Brid.) Hedenäs
- Crossidium chloronotos* (Brid.) Limpr. = ***Crossidium squamiferum*** (Viv.) Jur. var. ***squamiferum***
- Crossidium chloronotos* auct. non (Brid.) Limpr. = ***Crossidium crassinervium*** (De Not.) Jur.
- Crossidium chloronotos* var. *niveum* auct. non (Besch.) Jelenc nom. inval. = ***Crossidium crassinervium*** (De Not.) Jur.
- Crossidium crassinervium* var. *laevipilum* (Thér. & Trab.) Delgad. = ***Crossidium laevipilum*** Thér. & Trab.
- Crossidium griseum* (Jur.) Jur. = ***Crossidium squamiferum*** var. *pottioideum* (De Not.) Mönk.
- Crossidium seriatum* Crum & Steere EXCLUDED FROM THE AREA [15]
- Crossidium squamigerum* (Viv.) Jur. nom. inval. err. orthogr. = ***Crossidium squamiferum*** (Viv.) Jur.
- Crossidium squamiferum* var. *brevisetum* (Besch.) Paris [189]
- Crossomitrium fontanum* (Mitt.) A. Jaeger = ***Tetrastichium fontanum*** (Mitt.) Cardot
- Cryphaea arborea* (P. Beauv.) Lindb. nom. inval. = ***Cryphaea heteromalla*** (Hedw.) D. Mohr

- Cryphaea arborea* var. *lamyana* (Mont.) Boulay = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- Cryphaea heteromalla* var. *aquatilis* (Müll. Hal.) Wilson = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- Cryphaea heteromalla* var. *lamyana* (Mont.) Boulay = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- Cryphaea lamyana* (Mont.) Müll. Hal. = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- Cryphaea lamyi* Müll. Hal. ex Henriq. *nom. inval. in synon. err. pro C. lamyana* (Mont.) Müll. Hal. = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- Cryptolepton longisetus* (Mont.) Enroth = ***Lepton longisetus*** Mont.
- Ctenidium berthelotianum* (Mont.) Mitt. = ***Andoa berthelotiana*** (Mont.) Ochyra
- Ctenidium distinguendum* Glow. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *condensatum* (Schimp.) E. Britton = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *erectum* (Schimp.) G. Roth = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *gracile* (Boulay) Loeske = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *procerum* Bryhn. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *robustum* Boulay = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *sericeum* J.E. Zetterst. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *sylvaticum* F. Rose & A.J.E. Sm. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *squarrosulum* (Boulay) G. Roth = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium molluscum* var. *subplumiferum* (Kindb.) Limpr. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Ctenidium procerrimum* (Molendo) Lindb. = ***Hypnum procerrimum*** Molendo
- Cylindrothecium cladorrhizans* (Hedw.) Schimp. = ***Entodon cladorrhizans*** (Hedw.) Müll. Hal.
- Cylindrothecium concinnum* (De Not.) Schimp. = ***Entodon concinnum*** (De Not.) Paris
- Cylindrothecium montagnei* Schimp. *nom. illeg. incl. spec. prior.* = ***Entodon concinnum*** (De Not.) Paris
- Cylindrothecium orthocarpon* (Brid.) Dalla Torre & Sarnt. = ***Entodon concinnum*** (De Not.) Paris
- Cylindrothecium repens* (Brid.) De Not. = ***Platygyrium repens*** (Brid.) Schimp.
- Cylindrothecium schleicheri* (Schimp.) Schimp. = ***Entodon schleicheri*** (Schimp.) Demet.
- Cynodontiella alpestris* (Wahlenb. ex Huebener) Bryhn. = ***Cnestrum alpestre*** (Wahlenb. ex Huebener) Nyholm ex Mogens
- Cynodontium alpestre* (Huebener ex Huebener) Milde = ***Cnestrum alpestre*** (Wahlenb. ex Huebener) Nyholm ex Mogens
- Cynodontium capillaceum* Hedw. = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- Cynodontium cernuum* (Hedw.) Brid. = ***Ptychostomum cernuum*** (Hedw.) Hornsch.
- Cynodontium flexicaule* Schwägr. = ***Ditrichum flexicaule*** (Schwägr.) Hampe
- Cynodontium gracilescens* var. *alpestre* (Wahlenb.) Schimp. = ***Cynodontium fallax*** Limpr.
- Cynodontium gracilescens* var. *tenellum* Schimp. = ***Cynodontium tenellum*** (Schimp.) Limpr.
- Cynodontium inclinatum* Hedw. = ***Distichium inclinatum*** (Hedw.) Bruch & Schimp.
- Cynodontium meridionale* Herzog = ***Cynodontium bruntonii*** (Sm.) Bruch & Schimp.
- Cynodontium polycarpon* var. *arcuatum* Boulay = ***Cynodontium polycarpon*** (Hedw.) Schimp.
- Cynodontium polycarpon* var. *strumiferum* (Hedw.) Schimp. = ***Cynodontium strumiferum*** (Hedw.) Lindb.
- Cynodontium sardoum* (Herzog) Mönk. = ***Oncophorus virens*** (Hedw.) Brid.
- Cynodontium schisti* (F. Weber & D. Mohr) Lindb. = ***Cnestrum schisti*** (F. Weber & D. Mohr) Lindb.
- Cynodontium torquescens* Limpr. *nom. illeg. incl. spec. prior.* = ***Cynodontium tenellum*** (Schimp.) Limpr.

Cynodontium trifarium (Hedw.) Brid. = ***Didymodon luridus*** Hornsch.
Cynodontium virens (Hedw.) Schimp. = ***Oncophorus virens*** (Hedw.) Brid.
Cynodontium virens var. *wahlenbergii* (Brid.) Schimp. = ***Oncophorus wahlenbergii*** Brid.
Cynodontium wahlenbergii (Brid.) Hartm. = ***Oncophorus wahlenbergii*** Brid.
Cyrto-hypnum atlanticum (Hedenäs) Hedenäs & Sérgio = ***Pelekium atlanticum*** (Hedenäs) Hedenäs
Cyrto-hypnum minutulum (Hedw.) Buck & H.A. Crum = ***Pelekium minutulum*** (Hedw) Touw
Cyrto-hypnum montei Hedenäs = ***Thuidiopsis sparsa*** (Hook. f. & Wilson) Broth.
Cyrtomnium hymenophyllum (Bruch & Schimp.) Holmen EXCLUDED FROM THE AREA [273]

D

Daltonia heteromalla (Hedw.) Hook. & Taylor = ***Cryphaea heteromalla*** (Hedw.) D. Mohr
Daltonia lamyana Mont. = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
Daltonia pennata (Hedw.) Arnell = ***Neckera pennata*** Hedw.
Desmatodon arenaceus Sull. & Lesq. = ***Tortula muralis*** subsp. ***obtusifolia*** (Schwägr.) Culm.
Desmatodon atrovirens (Sm.) Jur. = ***Tortula atrovirens*** (Sm.) Lindb.
Desmatodon bogosicus Müll. Hal. = ***Tortula bogosica*** (Müll. Hal.) R.H. Zander
Desmatodon caespitosus (Bruch ex Brid.) De Not. = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Desmatodon canescens (Mont.) Jur. = ***Tortula canescens*** Mont.
Desmatodon cernuus (Huebener) Bruch & Schimp. = ***Tortula cernua*** (Huebener) Lindb.
Desmatodon convolutus (Brid.) Grout = ***Tortula atrovirens*** (Sm.) Lindb.
Desmatodon flavicans Bruch & Schimp. nom. illeg. incl. spec. prior. = ***Tortula muralis*** subsp. ***obtusifolia*** (Schwägr.) Culm.
Desmatodon flavicans var. *brevifolius* Schimp. ex Husn. = ***Tortula muralis*** subsp. ***obtusifolia*** (Schwägr.) Culm.
Desmatodon flavicans var. *obtusifolius* (Schwägr.) Bruch & Schimp. nom. illeg. prior. ut spec. = ***Tortula muralis*** subsp. ***obtusifolia*** (Schwägr.) Culm.
Desmatodon gasilienii Venturi = ***Tortula lindbergii*** Broth.
Desmatodon glacialis Funck ex Brid. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon griseus Jur. = ***Crossidium squamiferum*** var. ***pottioideum*** (De Not.) Mönk.
Desmatodon guepinii Bruch & Schimp. = ***Tortula guepinii*** (Bruch & Schimp.) Broth.
Desmatodon heimii (Hedw.) Mitt. = ***Hennediella heimii*** (Hedw.) R.H. Zander
Desmatodon latifolius (Hedw.) Brid. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon latifolius var. *brevicaulis* Schimpr. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon latifolius var. *brevifolius* Schimp. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon latifolius var. *glacialis* (Funck ex Brid.) Ångstr. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon latifolius var. *longifolius* Schimp. in Payot nom. nud. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon latifolius var. *muticus* Brid. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon latifolius var. *pilifer* (Dicks.) Rabenh. = ***Tortula hoppeana*** (Schultz) Ochyra
Desmatodon laureri (Schultz) Bruch & Schimp. = ***Tortula laureri*** (Schultz) Bruch & Schimp.
Desmatodon leucostoma (R. Br.) Berggr. = ***Tortula leucostoma*** (R. Br.) Hook. & Grev.
Desmatodon meridionalis Luisier = ***Tortula marginata*** (Bruch & Schimp.) Spruce
Desmatodon montenegrinus (Breidl. & Szyszyl.) Paris = ***Tortula muralis*** subsp. ***obtusifolia*** (Schwägr.) Culm. [96]
Desmatodon nervosus De Not. = ***Tortula atrovirens*** (Sm.) Lindb.
Desmatodon nervosus var. *edentulus* Bruch & Schimp. = ***Tortula atrovirens*** (Sm.) Lindb.
Desmatodon nervosus var. *gasilienii* (Venturi) Husn. = ***Tortula lindbergii*** Broth.
Desmatodon obliquus Bruch & Schimp. nom. illeg. incl. spec. prior. = ***Tortula leucostoma*** (R. Br.) Hook. & Grev.

- Desmatodon obtusifolius* (Schwägr.) Schimp. = *Tortula muralis* subsp. *obtusifolia* (Schwägr.) Culm.
- Desmatodon pilifer auct.* = *Tortula hoppeana* (Schultz) Ochyra [263]
- Desmatodon plinthobius* Sull. & Lesq. = *Tortula plinthobia* (Sull. & Lesq.) Broth.
- Desmatodon revolvens* (Schimp.) Husn. = *Tortula revolvens* (Schimp.) G. Roth
- Desmatodon suberectus* (Hook.) Limpr. = *Tortula leucostoma* (R. Br.) Hook. & Grev.
- Desmatodon systylius* Schimp. = *Tortula systylia* (Schimp.) Lindb.
- Desmatodon wilczekii* Meyl. = *Tortula rhodonia* R.H. Zander
- Dialytrichia brebissonii* (Brid.) Limpr. = *Dialytrichia mucronata* (Brid.) Broth.
- Dialytrichia canariensis* Bryhn = *Barbula unguiculata* Hedw.
- Dialytrichia mucronata* var. *conferta* (Corb.) Corb. = *Dialytrichia mucronata* (Brid.) Broth.
- Dialytrichia fragilifolia* (Bizot & J. Roux) F. Lara = *Dialytrichia saxicola* (Lamy) M.J. Cano
- Dialytrichia mucronata* var. *fragilifolia* Bizot & J. Roux = *Dialytrichia saxicola* (Lamy) M.J. Cano
- § *Dialytrichia mucronata* f. *minor* = *Dialytrichia mucronata* (Brid.) Broth.
- Dichodontium flavescens* var. *viridis* Hérib. = *Dichodontium flavescens* (Dicks. ex With.) Lindb.
- Dichodontium pellucidum* var. *erectum* Husn. = *Dichodontium pellucidum* (Hedw.) Schimp.
- Dichodontium pellucidum* var. *flavescens* (Dicks. ex With.) Moore = *Dichodontium flavescens* (Dicks. ex With.) Lindb.
- § *Dichodontium pellucidum* f. *fagimontanum* = *Dichodontium pellucidum* (Hedw.) Schimp.
- Dichodontium pellucidum* var. *fagimontanum* (Brid.) Schimp. = *Dichodontium pellucidum* (Hedw.) Schimp.
- # *Dichodontium pellucidum* var. *lamyi* Husn. = *Dichodontium pellucidum* (Hedw.) Schimp.
- Dichodontium pellucidum* var. *serratum* (Bruch & Schimp.) Schimp. = *Dichodontium pellucidum* (Hedw.) Schimp.
- Dichodontium pellucidum* var. *strictum* Braith. = *Dichodontium pellucidum* (Hedw.) Schimp.
- Dichodontium squarrosus* Schrad. = *Dichodontium palustre* (Dicks.) M. Stech
- Dicranella canariensis* Bryhn = *Dicranella howei* Renauld & Cardot
- Dicranella cerviculata* var. *pusilla* (Hedw.) Schimp. = *Dicranella cerviculata* (Hedw.) Schimp.
- Dicranella curvata* (Hedw.) Schimp. = *Dicranella subulata* (Hedw.) Schimp.
- Dicranella heteromalla* f. *interrupta* (Hedw.) Mönk. = *Dicranella heteromalla* (Hedw.) Schimp.
- Dicranella heteromalla* var. *interrupta* (Hedw.) Schimp. = *Dicranella heteromalla* (Hedw.) Schimp.
- Dicranella heteromalla* var. *lusitanica* (Warnst.) Podp. = *Dicranella howei* Renauld & Cardot
- Dicranella heteromalla* var. *sericea* (Schimp.) Pfeff. = *Dicranella heteromalla* (Hedw.) Schimp.
- Dicranella heteromalla* var. *stricta* (Bruch & Schimp.) Schimp. = *Dicranella heteromalla* (Hedw.) Schimp.
- Dicranella lusitanica* Warnst. = *Dicranella howei* Renauld & Cardot
- Dicranella nana* H. Winter = *Dicranella howei* Renauld & Cardot
- Dicranella palustris* (Dicks.) Crundw. = *Dichodontium palustre* (Dicks.) M. Stech
- *Dicranella palustris* f. *tenella* Mönk. = *Dichodontium palustre* (Dicks.) M. Stech
- Dicranella rigidula* (Sw. ex Hedw.) Dixon *hom. illeg.* = *Dicranella humilis* R. Ruthe
- Dicranella rubra* Lindb. = *Dicranella varia* (Hedw.) Schimp.
- # *Dicranella rubra* var. *madeirensis* Cardot & Luisier = *Dicranella howei* Renauld & Cardot
- Dicranella schreberi* Schimp. *nom. illeg. incl. spec. prior.* = *Dicranella schreberiana* (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson
- Dicranella schreberi* var. *elata* Schimp. = *Dicranella schreberiana* (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson

- Dicranella schreberi* var. *robusta* Schimp. ex Braithw. = ***Dicranella schreberiana*** (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson
- Dicranella secunda* Lindb. nom. illeg. incl. spec. prior. = ***Dicranella subulata*** (Hedw.) Schimp.
- Dicranella secunda* var. *curvata* (Hedw.) Schimp. = ***Dicranella subulata*** (Hedw.) Schimp.
- Dicranella sinuosa* Wilson nom. nud. in synonym. = ***Didymodon sinuosus*** (Mitt.) Delogne
- Dicranella squarrosa* (Schrad.) Schimp. = ***Dichodontium palustre*** (Dicks.) M. Stech
- Dicranella squarrosa* var. *frigida* Lorentz = ***Dichodontium palustre*** (Dicks.) M. Stech
- Dicranella subulata* var. *curvata* (Hedw.) Rabenh. = ***Dicranella subulata*** (Hedw.) Schimp.
- Dicranella teneriffae* H. Winter = ***Rhamphidium purpuratum*** Mitt.
- Dicranella varia* var. *callistoma* (Dicks. ex With.) Schimp. = ***Dicranella varia*** (Hedw.) Schimp.
- Dicranella varia* var. *elongata* Debat = ***Dicranella varia*** (Hedw.) Schimp.
- # *Dicranella varia* var. *madeirensis* Cardot = ***Dicranella varia*** (Hedw.) Schimp.
- Dicranella varia* var. *tenella* Schimp. = ***Dicranella humilis*** R. Ruthe
- Dicranella varia* var. *tenuifolia* (Bruch & Schimp.) Schimp. = ***Dicranella howei*** Renauld & Cardot
- Dicranodontium aristatum* Schimp. = ***Dicranodontium asperulum*** (Mitt.) Broth.
- Dicranodontium circinatum* (Milde) Schimp. = ***Dicranodontium uncinatum*** (Harv.) A. Jaeger
- Dicranodontium denudatum* var. *alpinum* (Schimp.) I. Hagen = ***Dicranodontium denudatum*** (Brid.) Britt.
- Dicranodontium longirostre* (F. Weber & D. Mohr) Bruch & Schimp. = ***Dicranodontium denudatum*** (Brid.) Britt.
- Dicranodontium longirostre* var. *alpinum* (Schimp.) Milde = ***Dicranodontium denudatum*** (Brid.) Britt.
- Dicranodontium robustum* Seq. = ***Ptychomitrium polyphyllum*** (Dicks. ex Sw.) Bruch & Schimp.
- Dicranodontium sericeum* Schimp. = ***Dicranella heteromalla*** (Hedw.) Schimp.
- Dicranoweisia africana* Dixon [19]
- Dicranoweisia bruntonii* (Sm.) Schimp. = ***Cynodontium bruntonii*** (Sm.) Bruch & Schimp.
- § *Dicranoweisia cirrata* f. *propagulifera* = ***Dicranoweisia cirrata*** (Hedw.) Lindb.
- Dicranoweisia compacta* (Schleich. ex Schwägr.) Schimp. = ***Hymenoloma compactum*** (Schwägr.) Ochyra
- Dicranoweisia crispula* (Hedw.) Milde = ***Hymenoloma crispulum*** (Hedw.) Ochyra
- Dicranoweisia crispula* var. *compacta* (Schwägr.) Lindb. = ***Hymenoloma compactum*** (Schwägr.) Ochyra
- Dicranoweisia intermedia* J.J. Amann = ***Hymenoloma mulahaceni*** (Höhn.) Ochyra
- Dicranoweisia robusta* (Seq.) Venturi = ***Ptychomitrium polyphyllum*** (Dicks. ex Sw.) Bruch & Schimp.
- Dicranum adianthoides* (Hedw.) F. Weber & D. Mohr = ***Fissidens adianthoides*** Hedw.
- Dicranum affine* Funck = ***Dicranum undulatum*** Schrad ex Brid.
- Dicranum albicans* Bruch & Schimp. nom. illeg. incl. spec. prior. = ***Paraleucobryum nerve*** (Thed.) Loeske
- Dicranum alpestre* Wahlenb. = ***Cnestrum alpestre*** (Wahlenb.) Nyholm
- Dicranum ambiguum* Hedw. = ***Trematodon ambiguus*** (Hedw.) Hornsch.
- Dicranum asperulum* Mitt. = ***Dicranodontium asperulum*** (Mitt.) Broth.
- Dicranum bergeri* Bland. = ***Dicranum undulatum*** Schrad. ex Brid.
- Dicranum bergeri* var. *acutifolium* Lindb. & Arnell = ***Dicranum acutifolium*** (Lindb. & Arnell) C.E.O. Jensen
- Dicranum blyttii* Bruch & Schimp. = ***Kiaeria blyttii*** (Bruch & Schimp.) Broth.
- Dicranum bonjeanii* var. *calcareum* Braith. = ***Dicranum bonjeanii*** De Not.
- Dicranum bonjeanii* var. *juniperifolium* (Sendtn.) Braithw. = ***Dicranum bonjeanii*** De Not.
- Dicranum bonjeanii* var. *polycladum* Müll. Hal. = ***Dicranum bonjeanii*** De Not.
- Dicranum bruntonii* Sm. = ***Cynodontium bruntonii*** (Sm.) Bruch & Schimp.
- Dicranum bryoides* (Hedw.) Sw. = ***Fissidens bryoides*** Hedw.

- Dicranum callistomum* (Dicks. ex With.) Turner = ***Dicranella varia*** (Hedw.) Schimp.
Dicranum cerviculatum Hedw. = ***Dicranella cerviculata*** (Hedw.) Schimp.
Dicranum chloropus Brid. = ***Cheilothela chloropus*** (Brid.) Broth.
Dicranum congestum Brid. = ***Dicranum fuscescens*** Sm.
Dicranum congestum auct. scand. = ***Dicranum flexicaule*** Brid.
Dicranum contortum Wahlenb. = ***Grimmia incurva*** Schwägr.
Dicranum crispum Hedw. = ***Dicranella crispa*** (Hedw.) Schimp.
Dicranum curvatum Hedw. = ***Dicranella subulata*** (Hedw.) Schimp.
Dicranum cylindricum (Hedw.) Sm. = ***Trichodon cylindricus*** (Hedw.) Schimp.
Dicranum elongatum subsp. *groenlandicum* (Brid.) Mönk = ***Dicranum groenlandicum*** Brid.
Dicranum enerve Thed. = ***Paraleucobryum enerve*** (Thed.) Loeske
Dicranum erythrodontium Hampe in Müll. Hal. = ***Dicranum canariense*** Hampe ex Müll. Hal.
Dicranum falcatum Hedw. = ***Kiaeria falcata*** (Hedw.) I. Hagen
Dicranum falcatum var. *setaceum* Husn. = ***Kiaeria falcata*** (Hedw.) I. Hagen
Dicranum fallax (Wilson) Hobk = ***Dicranella varia*** (Hedw.) Schimp.
Dicranum flexuosum Hedw. = ***Campylopus flexuosus*** (Hedw.) Brid.
Dicranum fragile Brid. = ***Campylopus fragilis*** (Brid.) Bruch & Schimp.
Dicranum fulvellum (Dicks.) Sm. = ***Arctoa fulvella*** (Dicks.) Bruch & Schimp.
Dicranum fuscescens var. *angustifolium* Lorentz ex Husn. = ***Dicranum fuscescens*** Sm.
Dicranum fuscescens var. *flexicaule* (Brid.) Wilson = ***Dicranum flexicaule*** Brid.
Dicranum fuscescens var. *longirostre* (Schwägr.) Wilson [293]
▶ *Dicranum fuscescens* var. *lutescens* Lorentz *nom. illeg.* = ***Leucobryum glaucum*** (Hedw.) Ångstr.
Dicranum fuscescens var. *robustum* (Bruch & Schimp.) Wilson = ***Dicranum fuscescens*** Sm.
Dicranum glaucum Hedw. = ***Leucobryum glaucum*** (Hedw.) Ångstr.
Dicranum gracilescens F. Weber & D. Mohr = ***Cynodontium gracilescens*** (F. Weber & D. Mohr) Schimp.
Dicranum gracilescens var. *alpestre* (Wahlenb.) Huebener = ***Cnestrum alpestre*** (Wahlenb.) Nyholm
Dicranum gracilescens var. *tenellum* Bruch & Schimp. *nom. illeg. incl. var. prior.* = ***Cnestrum alpestre*** (Wahlenb.) Nyholm
Dicranum grevilleanum (Brid.) Bruch & Schimp. = ***Dicranella grevilleana*** (Brid.) Schimp.
Dicranum heteromallum Hedw. = ***Dicranella heteromalla*** (Hedw.) Schimp.
Dicranum heteromallum var. *interruptum* (Hedw.) Bruch & Schimp. *nom. illeg. incl. var. prior.* = ***Dicranella heteromalla*** (Hedw.) Schimp.
Dicranum heteromallum var. *sericeum* (Schimp.) Hobk = ***Dicranella heteromalla*** (Hedw.) Schimp.
Dicranum heteromallum var. *strictum* Bruch & Schimp. = ***Dicranella heteromalla*** (Hedw.) Schimp.
Dicranum hostianum Schwägr. = ***Dicranum montanum*** Hedw.
Dicranum hyperboreum (Gunnerus ex Dicks.) Sm. = ***Arctoa hyperborea*** (Gunnerus ex Dicks.) Bruch & Schimp.
Dicranum incurvum Starke *hom. illeg.* = ***Fissidens viridulus*** var. *incurvus* (Starke ex Röhl.) Waldh.
Dicranum intermedium Crome *hom. illeg.* = ***Dicranum undulatum*** Schrad. ex Brid.
Dicranum intermedium Hedw. = ***Ceratodon purpureus*** (Hedw.) Brid.
Dicranum interruptum Brid. *nom. illeg.* = ***Dicranum montanum*** Hedw.
Dicranum interruptum Hedw. = ***Dicranella heteromalla*** (Hedw.) Schimp.
Dicranum introflexum Hedw. = ***Campylopus introflexus*** (Hedw.) Brid.
Dicranum laetevirens Müll. Hal. = ***Campylopus fragilis*** (Brid.) Bruch & Schimp.
Dicranum latifolium Hedw. = ***Tortula hoppeana*** (Schultz) Ochya
Dicranum latifolium var. *piliferum* Hook. & Tayl. *nom. inval. in synonym.* = ***Tortula hoppeana*** (Schultz) Ochya
Dicranum longifolium Ehrh. ex Hedw. = ***Paraleucobryum longifolium*** (Ehrh. ex Hedw.) Loeske

- Dicranum longifolium* var. *hamatum* Jur. = ***Paraleucobryum longifolium*** (Ehrh. ex Hedw.) Loeske
- # *Dicranum longifolium* var. *robustum* Husn. = ***Paraleucobryum longifolium*** (Ehrh. ex Hedw.) Loeske
- Dicranum longifolium* var. *subalpinum* Milde = ***Paraleucobryum longifolium*** (Ehrh. ex Hedw.) Loeske
- Dicranum longipilum* Brid. = ***Campylopus pilifer*** Brid.
- Dicranum longirostre* (F. Weber & D. Mohr) Kindb. *nom. illeg.* = ***Dicranodontium denudatum*** (Brid.) E. Britton
- Dicranum longirostre* Schwägr. = *Dicranum fuscescens* var. *longirostre* (Schwägr.) Wilson [293]
- # *Dicranum montanum* var. *polycladum* Warnst. = ***Dicranum montanum*** Hedw.
- Dicranum muehlenbeckii* var. *acutifolium* (Lindb. & Arnell) Nyholm = ***Dicranum acutifolium*** (Lindb. & Arnell) C.E.O. Jensen
- Dicranum muehlenbeckii* var. *brevifolium* Lindb. = ***Dicranum brevifolium*** (Lindb.) Lindb.
- Dicranum muehlenbeckii* var. *cirrhatum* (Schimp.) Lindb. = ***Dicranum brevifolium*** (Lindb.) Lindb.
- Dicranum muehlenbeckii* var. *neglectum* (Jur. ex De Not.) Pfeff. = ***Dicranum spadiceum*** J.E. Zetterst.
- Dicranum neglectum* Jur. ex De Not. = ***Dicranum spadiceum*** J.E. Zetterst.
- Dicranum osmundoides* (Hedw.) Turner = ***Fissidens osmundoides*** Hedw.
- Dicranum ovatum* Sw. ex Brid. = ***Grimmia ovalis*** (Hedw.) Lindb.
- Dicranum palustre* Bruch & Schimp. *nom. illeg.* = ***Dicranum bonjeanii*** De Not.
- Dicranum palustre* Bach. Pyl. *nom. illeg.* = ***Campylopus flexuosus*** (Hedw.) Brid.
- Dicranum palustre* var. *polycladum* Bruch & Schimp. = ***Dicranum bonjeanii*** De Not.
- Dicranum pellucidum* Hedw. = ***Dichodontium pellucidum*** (Hedw.) Schimp.
- Dicranum pellucidum* var. *fagimontanum* Brid. = ***Dichodontium pellucidum*** (Hedw.) Schimp.
- Dicranum polycarpum* (Hedw.) F. Weber & D. Mohr = ***Cynodontium polycarpon*** (Hedw.) Schimp.
- Dicranum polycarpum* var. *strumiferum* (Hedw.) De Not. = ***Cynodontium strumiferum*** (Hedw.) Lindb.
- # *Dicranum polycarpum* var. *vulgare* Boulay = ***Cynodontium polycarpon*** (Hedw.) Schimp.
- Dicranum polysetum* Brid. = ***Dicranum majus*** Turner
- Dicranum pulvinatum* (Hedw.) Sw. ex Lag. = ***Grimmia pulvinata*** (Hedw.) Sm.
- Dicranum purpurascens* Hedw. = ***Ceratodon purpureus*** (Hedw.) Brid.
- Dicranum purpureum* Hedw. = ***Ceratodon purpureus*** (Hedw.) Brid.
- Dicranum pusillum* Hedw. = ***Dicranella cerviculata*** (Hedw.) Schimp.
- Dicranum rigidulum* Sw. ex Hedw. = ***Dicranella humilis*** R. Ruthe
- Dicranum rubrum* Boulay *nom. illeg. incl. spec. prior.* = ***Dicranella varia*** (Hedw.) Schimp.
- § *Dicranum rubrum* var. *callistomum* = ***Dicranella varia*** (Hedw.) Schimp.
- § *Dicranum rubrum* var. *tenellum* = ***Dicranella humilis*** R. Ruthe
- § *Dicranum rubrum* var. *tenuifolium* = ***Dicranella howei*** Renaud & Cardot
- Dicranum rufescens* (With.) Turner = ***Dicranella rufescens*** (With.) Schimp.
- Dicranum rugosum* (Funck) Brid. *nom. illeg. incl. spec. prior.* = ***Dicranum polysetum*** Sw. ex anon.
- Dicranum sauteri* Bruch & Schimp. = ***Paraleucobryum sauteri*** (Bruch & Schimp.) Loeske
- # *Dicranum sauteri* var. *curvulum* Lindb. = ***Paraleucobryum sauteri*** (Bruch & Schimp.) Loeske
- # *Dicranum saxatile* Lag., D. García & Clemente = ***Racomitrium heterostichum*** (Hedw.) Brid.
- Dicranum saxicola* F. Weber & D. Mohr = ***Campylostelium saxicola*** (F. Weber & D. Mohr) Bruch & Schimp.
- Dicranum schisti* Lindb. = ***Kiaeria blyttii*** (Bruch & Schimp.) Broth.
- Dicranum schraderi* Wahlenb. *nom. illeg. incl. spec. prior.* = ***Dicranum undulatum*** Schrad. ex Brid.

- Dicranum schreberi* Sw. *nom. illeg. incl. spec. prior.* = *Dicranella schreberiana* (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson
- Dicranum schreberianum* Hedw. = *Dicranella schreberiana* (Hedw.) Hilf. ex H.A. Crum & L.E. Anderson
- Dicranum sciuroides* (Hedw.) P. Gaertn., B. Mey. & Scherb. = *Leucodon sciuroides* (Hedw.) Schwägr.
- Dicranum scoparium* var. *alpestre* Huebener = *Dicranum scoparium* Hedw.
- # *Dicranum scoparium* var. *alpestre* Milde *hom. illeg.* = *Dicranum scoparium* Hedw.
- # *Dicranum scoparium* var. *atrovirens* Renauld = *Dicranum scoparium* Hedw.
- Dicranum scoparium* var. *compactum* Renauld = *Dicranum scoparium* Hedw.
- Dicranum scoparium* var. *curvulum* Brid. = *Dicranum scoparium* Hedw.
- # *Dicranum scoparium* var. *gracilescens* Renauld ex Hérib. = *Dicranum scoparium* Hedw.
- # *Dicranum scoparium* var. *juniperum* Meyl. *nom. nud.* = *Dicranum scoparium* Hedw.
- Dicranum scoparium* var. *orthophyllum* Brid. = *Dicranum scoparium* Hedw.
- Dicranum scoparium* var. *paludosum* Schimp. = *Dicranum scoparium* Hedw.
- Dicranum scoparium* var. *recurvatum* (Schultz) Brid. = *Dicranum scoparium* Hedw.
- Dicranum scoparium* var. *spadiceum* (J.E. Zetterst.) Boulay = *Dicranum spadiceum* J.E. Zetterst.
- Dicranum scoparium* var. *turfosum* Milde = *Dicranum scoparium* Hedw.
- Dicranum scottianum* subsp. *anglicum* Reimers = *Dicranum scottianum* Turner ex R. Scott
- \$ *Dicranum scottianum* subsp. *anglicum* f. *condensatum* = *Dicranum scottianum* Turner ex R. Scott
- \$ *Dicranum scottianum* var. *anglicum* = *Dicranum scottianum* Turner ex R. Scott
- Dicranum scottianum* subsp. *canariense* (Hampe ex Müll. Hal.) Reimers = *Dicranum canariense* Hampe ex Müll. Hal.
- Dicranum scottianum* var. *canariense* (Hampe ex Müll. Hal.) Corb. = *Dicranum canariense* Hampe ex Müll. Hal.
- Dicranum secundum* Sw. *nom. inval.* = *Dicranella subulata* (Hedw.) Schimp.
- Dicranum sphagni* Wahlenb. *nom. illeg. incl. spec. prior.* = *Dicranum elongatum* Schwäegr.
- Dicranum squarrosus* Schrad. = *Dichodontium palustre* (Dicks.) M. Stech
- Dicranum starkei* (Hedw.) F. Weber & D. Mohr = *Kiaeria starkei* (F. Weber & D. Mohr) I. Hagen
- Dicranum strictum* Schleich. ex D. Mohr *hom. illeg.* = *Dicranum tauricum* Sappjegin
- Dicranum strumiferum* (Hedw.) F. Weber & D. Mohr = *Cynodontium strumiferum* (Hedw.) Lindb.
- Dicranum subulatum* Hedw. = *Dicranella subulata* (Hedw.) Schimp.
- Dicranum taxifolium* (Hedw.) F. Weber & D. Mohr = *Fissidens taxifolius* Hedw.
- Dicranum thraustum* Schimp. = *Dicranum viride* (Sull. & Lesq.) Lindb.
- Dicranum trichodes* Wilson *nom. nud.* = *Blindia acuta* Bruch & Schimp.
- Dicranum uncinatum* (Harv.) Müll. Hal. *hom. illeg.* = *Dicranodontium uncinatum* (Harv.) A. Jaeger
- Dicranum undulatum* Ehrh. ex F. Weber & D. Mohr *hom. illeg.* = *Dicranum polysetum* Sw.
- Dicranum undulatum* Turner *hom. illeg.* = *Dicranum bonjeanii* De Not.
- Dicranum varium* Hedw. = *Dicranella varia* (Hedw.) Schimp.
- Dicranum virens* Hedw. = *Oncophorus virens* (Hedw.) Brid.
- Dicranum virens* var. *serratum* Bruch & Schimp. = *Oncophorus virens* (Hedw.) Brid.
- Dicranum virens* var. *wahlenbergii* (Brid.) Huebener = *Oncophorus wahlenbergii* Brid.
- Dicranum viridulum* Sw. ex anon. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Didymodon aaronis* (Lorentz) J. Guerra = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
- \$ *Didymodon acutus* var. *viridis* = *Didymodon acutus* (Brid.) K. Saito
- \$ *Didymodon algeriae* = *Barbula ehrenbergii* var. *algeriae* (Müll. Hal.) Venturi & Bott. [184]
- Didymodon alpigenus* Venturi = *Bryoerythrophyllum alpigenum* (Venturi) P.C. Chen
- Didymodon australasiae* var. *umbrosus* (Müll. Hal.) R.H. Zander = *Didymodon umbrosus* (Hook. & Grev.) R.H. Zander

- Didymodon austriacus* Schiffn. & Baumgatner = ***Didymodon cordatus*** Jur.
Didymodon botelliger (Mönk.) I. Hagen = ***Bryoerythrophyllum ferruginascens*** (Stirt.) Giacom.
Didymodon camusi Husn. = ***Diphyscium foliosum*** (Hedw.) D. Mohr
Didymodon capillaceus (Hedw.) F. Weber & D. Mohr = ***Distichium capillaceum*** (Hedw.)
 Bruch & Schimp.
Didymodon ceratodentus (*ceratodonteus*) (Müll. Hal.) Dixon = ***Didymodon tophaceus***
 Brid.) Lisa
Didymodon crenulatus Mitt. = ***Rhabdoweisia crenulata*** (Mitt.) H. Jameson
Didymodon cylindricus (Bruch ex Brid.) Bruch & Schimp. *nom. illeg.* = ***Oxystegus***
tenuirostris (Hook. & Taylor) A.J.E. Sm.
Didymodon denudatus (Brid.) Opiz = ***Dicranodontium denudatum*** (Brid.) E. Britton
Didymodon ehrenbergii (Lorentz) Kindb. = ***Barbula bolleana*** (Müll. Hal.) Broth.
Didymodon ehrenbergii f. *algeriae* (Müll. Hal.) Paris = ***Barbula ehrenbergii*** var. *algeriae*
 (Müll. Hal.) Venturi & Bott. [184]
 § *Didymodon ehrenbergii* f. *laxissima* = ***Barbula ehrenbergii*** f. *laxissima* P. de la Varde [184]
Didymodon fallax var. *adriatica* (Baumgartner) Düll = ***Didymodon fallax*** (Hedw.)
 R.H. Zander
Didymodon fallax var. *brevifolius* (Dicks. ex With.) Ochyra = ***Didymodon fallax*** (Hedw.)
 R.H. Zander
Didymodon fallax var. *reflexus* (Brid.) R.H. Zander = ***Didymodon ferrugineus*** (Schimp. ex
 Besch.) M.O. Hill
 § *Didymodon fallax* var. *robusta* = ***Didymodon fallax*** (Hedw.) R.H. Zander
Didymodon flavipes De Not. *nom. nud.* = ***Barbula enderesii*** Garov.
Didymodon flexicaulis (Schwägr.) Röhl. = ***Ditrichum flexicaule*** (Schwägr.) Hampe
Didymodon flexifolius (Dicks.) Hook. & Taylor = ***Leptodontium flexifolium*** (Dicks.)
 Hampe
Didymodon fragilis Hook. & Wilson = ***Tortella fragilis*** (Hook. & Wilson) Limpr.
Didymodon haussknechtii (Jur. & Milde) Broth. = ***Didymodon australasiae*** (Hook. &
 Grev.) R.H. Zander
Didymodon homomallus Hedw. = ***Ditrichum heteromallum*** (Hedw.) E. Britton
Didymodon inclinatus (Hedw.) F. Weber & D. Mohr = ***Distichium inclinatum*** (Hedw.)
 Bruch & Schimp.
Didymodon lamyanus (Schimp.) Thér. = ***Didymodon brachyphyllum*** (Sull.) R.H. Zander
Didymodon lamyi Schimp. *nom. illeg. incl. spec. prior.* = ***Didymodon brachyphyllum*** (Sull.)
 R.H. Zander
Didymodon linearis Sw. = ***Ditrichum lineare*** (Sw.) Lindb.
Didymodon longirostris F. Weber & D. Mohr = ***Dicranodontium denudatum*** (Brid.)
 E. Britton
Didymodon luridus f. *cuspidatus* (Schimp.) Röhl. = ***Didymodon luridus*** Hornsch.
Didymodon luridus var. *nicholsonii* (Culm.) Loeske = ***Didymodon nicholsonii*** Culm.
Didymodon manillosus (Crundw.) M.O. Hill = ***Didymodon rigidulus*** Hedw.
 § *Didymodon mediterraneum* = ***Barbula bolleana*** (Müll. Hal.) Broth.
Didymodon mollis Schimp. = ***Philonotis fontana*** (Hedw.) Brid.
Didymodon nervosus Hook. & Taylor *nom. illeg. incl. spec. prior.* = ***Tortula atrovirens***
 (Sm.) Lindb.
Didymodon obscurus Kaulf. = ***Cynodontium bruntonii*** (Sm.) Bruch & Schimp.
Didymodon purpureus (Hedw.) Hook. & Taylor = ***Ceratodon purpureus*** (Hedw.) Brid.
Didymodon pusillum Hedw. = ***Ditrichum pusillum*** (Hedw.) Hampe
Didymodon recurvirostris (Hedw.) Jenn. = ***Bryoerythrophyllum recurvirostrum*** (Hedw.)
 P.C. Chen
Didymodon rigidicaulis (Müll. Hal.) K. Saito = ***Didymodon ferrugineus*** (Schimp. ex Besch.)
 M.O. Hill
Didymodon rigidulus subsp. *andreaeoides* (Limpr.) Wijk & Margad. = ***Didymodon***
subandreaeoides (Kindb.) R.H. Zander
 § *Didymodon rigidulus* var. *acuminata* = ***Didymodon rigidulus*** Hedw.
Didymodon rigidulus var. *brevifolius* Zodda *nom. illeg.* [279]

- Didymodon rigidulus* var. *densus* (Bruch & Schimp.) Paris = ***Didymodon rigidulus*** Hedw.
Didymodon rigidulus var. *glaucus* (Ryan) Wijk & Margad. = ***Didymodon glaucus*** Ryan
Didymodon rigidulus var. *gracilis* (Schleich. ex Hook. & Grev.) R.H. Zander = ***Didymodon acutus*** (Brid.) K. Saito
Didymodon rigidulus f. *propagulifera* Milde = ***Didymodon rigidulus*** Hedw.
Didymodon rigidulus var. *validus* (Limpr.) Düll = ***Didymodon validus*** Limpr.
Didymodon rubellus Bruch & Schimp. = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
Didymodon rubellus var. *cavernarum* Molendo = ***Bryoerythrophyllum rubrum*** (Jur.) P.C. Chen
Didymodon rubellus var. *dentatus* Schimp. = ***Bryoerythrophyllum alpigenum*** (Venturi) P.C. Chen
Didymodon ruber Jur. = ***Bryoerythrophyllum rubrum*** (Jur.) P.C. Chen
Didymodon rufus Lorentz = ***Didymodon asperifolius*** (Mitt.) H.A. Crum, Steere & L.E. Anderson
Didymodon soaresii Luisier = *Tortula* sp. [232]
Didymodon spathulatus (Wahlenb.) De Not. = ***Tortula hoppeana*** (Schultz) Ochyra
Didymodon spitsbergensis Dixon ex G.N.Jones = ***Didymodon asperifolius*** (Mitt.) H.A. Crum, Steere & L.E. Anderson
Didymodon systilius (Schimp.) Kindb. = ***Tortula systylia*** (Schimp.) Lindb.
Didymodon tenuirostris (Hook. & Taylor) Wilson = ***Oxystegus tenuirostris*** (Hook. & Taylor) A.J.E. Sm.
Didymodon theriotii Corb. = ***Dichodontium pellucidum*** (Hedw.) Schimp.
Didymodon tophaceus f. *acutifolius* Mönk. = ***Didymodon tophaceus*** (Brid.) Lisa
Didymodon tophaceus f. *acutifolius* Zodda *nom. illeg.* [191]
Didymodon tophaceus var. *acutifolius* Limpr. *nom. illeg. incl. var. prior.* = ***Didymodon tophaceus*** (Brid.) Lisa
Didymodon tophaceus var. *brevicaulis* Besch. *nom. nud.* [191]
Didymodon tophaceus var. *brevifolius* (Bruch & Schimp.) Paris [191]
Didymodon tophaceus var. *cucullatus* Bott. [191]
Didymodon tophaceus f. *elato-lingulata* Boulay *nom. nud.* [191]
Didymodon tophaceus var. *humilis* (Schimp.) Warnst. [191]
Didymodon tophaceus f. *lingulatus* (Boulay) Mönk. [191]
Didymodon tophaceus f. *recurvifolius* (Boulay) Willd. [191]
§ *Didymodon tophaceus* var. *recurvifolia* = ***Didymodon tophaceus*** f. *recurvifolius* (Boulay) Willd. [191]
Didymodon trabutii Corb. in Jelenc *nom. nud.* = *Barbula trabutii* Jelenc *nom. inval. descr. gall.* [184]
Didymodon trifarius auct. non (Hedw.) Röhl. = ***Didymodon luridus*** Hornsch.
Didymodon trivialis (Müll. Hal.) J. Guerra = ***Didymodon umbrosus*** (Müll. Hal.) R.H. Zander [20]
Didymodon trivialis auct. eur. non (Müll. Hal.) J. Guerra = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander [20]
Didymodon verbanus (W.E. Nicholson & Dixon) Loeske = ***Didymodon glaucus*** Ryan [406]
Didymodon vinealis var. *flaccidus* (Bruch & Schimp.) R.H. Zander = ***Didymodon insulanus*** (De Not.) M.O. Hill
Didymodon vinealis var. *nicholsonii* (Culm.) R.H. Zander = ***Didymodon nicholsonii*** Culm.
Diobelon alpestre (Wahlenb.) Hampe = ***Cnestrum alpestre*** (Wahlenb.) Nyholm
Diobelon squarrosum (Schrad.) Hampe = ***Dichodontium palustre*** (Dicks.) M. Stech
Diphyscium foliosum var. *acutifolium* Bruch & Schimp. = ***Diphyscium foliosum*** (L. ex Hedw.) D. Mohr
Diphyscium sessile Lindb. = ***Diphyscium foliosum*** (L. ex Hedw.) D. Mohr
Diphyscium sessile var. *alpinum* J.J. Amann = ***Diphyscium foliosum*** (L. ex Hedw.) D. Mohr
Diplocmium longisetum (Hedw.) F. Weber & D. Mohr = ***Meesia longiseta*** Hedw.

- Diplocomium tristichum* Funck *nom. illeg. incl. spec. prior.* = ***Meesia triquetra*** (A. Richter) Ångstr.
- Dissodon froelichianus* (Hedw.) Grev. & Arn. = ***Tayloria froelichiana*** (Hedw.) Mitt.
- Dissodon hornschurchii* Grev. & Arn. = ***Tayloria hornschurchii*** (Grev. & Arn.) Broth.
- Dissodon splachnoides* Grev. & Arn. = ***Tayloria lingulata*** (Dicks.) Lindb.
- Distichium capillaceum* var. *brevifolium* Bruch & Schimp. = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- Distichium capillaceum* var. *compactum* (Huebener) Dalla Torre & Sarnth. = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- Distichium capillaceum* var. *strictum* Thér. = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- # *Distichium capillaceum* var. *tenue* Meyran *nom. nud.* = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- Distichium montanum* I. Hagen *nom. illeg.* = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- Ditrichum atlanticum* (Thér. & Trab.) J.-P. Frahm & Seppelt = ***Distichium inclinatum*** (Hedw.) Bruch & Schimp.
- Ditrichum canariense* Bryhn = ***Ditrichum subulatum*** Hampe
- Ditrichum crispatisimum* (Müll. Hal.) Paris = ***Ditrichum gracile*** (Mitt.) Kuntze
- Ditrichum cylindricum* (Hedw.) Grout = ***Trichodon cylindricus*** (Hedw.) Schimp.
- Ditrichum difficile* (Duby) M. Fleisch. PROVISIONALLY EXCLUDED FROM THE AREA [303]
- Ditrichum flexicaule* var. *densum* (Bruch & Schimp.) Braith. = ***Ditrichum flexicaule*** (Schwägr.) Hampe
- Ditrichum flexicaule* var. *longifolium* (J.E. Zetterst.) I. Hagen. = ***Ditrichum gracile*** (Mitt.) Kuntze
- Ditrichum flexifolium* Hampe = *Ditrichum difficile* (Duby) M. Fleisch. PROVISIONALLY EXCLUDED FROM THE AREA [303]
- Ditrichum giganteum* Williams = ***Ditrichum gracile*** (Mitt.) Kuntze
- Ditrichum glaucescens* (Hedw.) Broth. = ***Saelania glaucescens*** (Hedw.) Broth.
- Ditrichum homomallum* var. *strictum* (Schimp.) Paris = ***Ditrichum heteromallum*** (Hedw.) Britt.
- Ditrichum heteromallum* var. *subalpinum* (Bruch & Schimp.) Podp. = ***Ditrichum heteromallum*** (Hedw.) Britt.
- Ditrichum heteromallum* var. *zonatum* (Brid.) Podp. = ***Ditrichum zonatum*** (Brid.) Kindb.
- Ditrichum homomallum* (Hedw.) Hampe = ***Ditrichum heteromallum*** (Hedw.) E. Britton
- # *Ditrichum lineare* var. *obtusifolium* Cardot & Coppey = ***Ditrichum lineare*** (Sw.) Lindb.
- Ditrichum nivale* (Müll. Hal.) Limpr. = ***Ditrichum pusillum*** (Hedw.) Hampe
- # *Ditrichum punctulatum* f. *brevifolia* Hampe = ***Ditrichum punctulatum*** Mitt.
- Ditrichum pusillum* var. *tortile* (Schrad.) I. Hagen = ***Ditrichum pusillum*** (Hedw.) Hampe
- Ditrichum tenuifolium* Lindb. = ***Trichodon cylindricus*** (Hedw.) Schimp.
- Ditrichum tortile* (Schrad.) Brockm. = ***Ditrichum pusillum*** (Hedw.) Hampe
- Ditrichum vaginans* (Sull.) Hampe = ***Ditrichum lineare*** (Sw.) Lindb.
- Dolichotheca repens* Lindb. *ex Par. nom. inval. in synon.* = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Dolichotheca seligeri* (Brid.) Loeske = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Dolichotheca silesiaca* *auct. non* (F. Weber & D. Mohr) Fleisch. = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Dolichotheca striatella* (Brid.) Loeske = ***Herzogiella striatella*** (Brid.) Z. Iwats.
- Dorcadion rupestre* var. *sturmii* Lindb. = ***Orthotrichum rupestre*** Schleich. *ex Schwägr.*
- Drepanium arcuatum* C.E.O. Jensen = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Drepanium bambergeri* (Schimp.) C.E.O. Jensen = ***Hypnum bambergeri*** Schimp.
- Drepanium bambergeri* var. *condensatum* Schimp. = ***Hypnum bambergeri*** Schimp.
- Drepanium callichroum* (Brid.) C.E.O. Jensen = ***Hypnum callichroum*** Brid.
- Drepanium cupressiforme* (Hedw.) G. Roth = ***Hypnum cupressiforme*** Hedw.

- Drepanium cupressiforme* var. *subjulaceum* (Molendo) G. Roth = *Hypnum cupressiforme* var. ***subjulaceum*** Molendo
- Drepanium fastigiatum* (Hampe) C.E.O. Jensen = *Hypnum recurvatum* (Linb. & Arnell) Kindb.
- Drepanium imponens* (Hedw.) G. Roth = *Hypnum imponens* Hedw.
- Drepanium incurvatum* (Schrad. ex Brid.) G. Roth = *Homomallium incurvatum* (Schrad. ex Brid.) Loeske
- ☞ *Drepanium pratense* (Rabenh.) C.E.O. Jensen = *Breidleria pratensis* (W.D.J. Koch ex Spruce) Loeske
- Drepanium sauteri* (Schimp.) G. Roth = *Hypnum sauteri* Schimp.
- Drepanium vaucheri* (Lesq.) Roth = *Hypnum vaucheri* Lesq.
- Drepanocladus aduncus* var. *aquaticus* (Sanio) Renauld. = *Drepanocladus aduncus* (Hedw.) Warnst.
- # *Drepanocladus aduncus* var. *attenuatus* (Boulay ex Renauld) Grout = *Drepanocladus aduncus* (Hedw.) Warnst.
- # *Drepanocladus aduncus* var. *flexilis* (Renauld) G. Roth = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus aduncus* var. *intermedius* (Schimp.) G. Roth = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus aduncus* subsp. *kneiffii* (Schimp.) Mönk. = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus aduncus* var. *kneiffii* (Schimp.) Mönk. = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus aduncus* var. *laxus* Schimp. ex Jelenc *nom. inval.* [192]
- Drepanocladus aduncus* var. *paternus* (Sanio) Grout = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus aduncus* var. *polycarpon* (Blandow ex Voit) G. Roth = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus aduncus* subsp. *pseudofluitans* Sanio ex Jelenc *nom. inval. sin. ref. explic.* = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Drepanocladus aquaticus* (Sanio) Warnst. = *Drepanocladus aduncus* (Hedw.) Warnst.
- Drepanocladus capillifolius* (Warnst.) Warnst. = *Drepanocladus longifolius* (Mitt.) Broth. ex Paris
- Drepanocladus cossonii* (Schimp.) Loeske = *Scorpidium cossonii* (Schimp.) Hedenäs
- Drepanocladus exannulatus* (Schimp.) Warnst. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Drepanocladus exannulatus* var. *alpinus* (Grav.) Wijk & Margad. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Drepanocladus exannulatus* var. *brachydictyon* (Renauld) G. Roth *nom. illeg.* = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Drepanocladus exannulatus* var. *falcifolius* (Renauld) Grout = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Drepanocladus exannulatus* var. *pinnatus* (Boulay) G. Roth = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Drepanocladus exannulatus* var. *purpurascens* (Schimp.) Herz. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Drepanocladus exannulatus* var. *rotae* (De Not.) Loeske = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Drepanocladus fluitans* (Hedw.) Warnst. = *Warnstorfia fluitans* (Hedw.) Loeske
- Drepanocladus fluitans* var. *falcatus* (Sanio ex C. Jens.) G. Roth = *Warnstorfia fluitans* (Schimp.) Loeske
- Drepanocladus fluitans* var. *jeanbernati* Renauld = *Warnstorfia fluitans* (Hedw.) Loeske
- Drepanocladus fluitans* var. *purpurascens* Schimp. = *Warnstorfia fluitans* (Hedw.) Loeske
- Drepanocladus fluitans* var. *uncatus* H.A. Crum, Steere & L.E. Anderson = *Warnstorfia fluitans* (Hedw.) Loeske

- Drepanocladus h-schulzei* (Limpr.) Loeske = **Warnstorfia fluitans** (Hedw.) Loeske
Drepanocladus intermedius (Lindb.) Warnst. = **Scorpidium cossonii** (Schimp.) Hedenäs
Drepanocladus kneiffii (Schimp.) Warnst. = **Drepanocladus aduncus** (Hedw.) Warnst.
Drepanocladus lapponicus (Norrl.) Z. Smirn. = **Hamatocaulis lapponicus** (Norrl.) Hedenäs
Drepanocladus longicuspis (Lindb. & Arnell) Broth. = **Campylium stellatum** (Hedw.)
 C.E.O. Jensen
Drepanocladus polycarpus (Blandow ex Voit) Warnst. = **Drepanocladus aduncus** (Hedw.)
 Warnst.
 § *Drepanocladus polycarpus* var. *attenuatum* = **Drepanocladus aduncus** (Hedw.) Warnst.
 § *Drepanocladus polycarpus* var. *intermedium* = **Drepanocladus aduncus** (Hedw.) Warnst.
Drepanocladus polycarpus var. *pungens* Mönk. = **Drepanocladus aduncus** (Hedw.) Warnst.
 § *Drepanocladus polygamus* var. *minus* = **Drepanocladus polygamus** (Schimp.) Hedenäs
Drepanocladus procerus (Renauld & Arnell) Warnst. = **Sarmentypnum exannulatum**
 (Schimp.) Hedenäs
Drepanocladus pseudofluitans (San.) Warnst. = **Drepanocladus aduncus** (Hedw.) Warnst.
Drepanocladus purpurascens var. *rotae* (De Not.) G. Roth = **Sarmentypnum exannulatum**
 (Schimp.) Hedenäs
Drepanocladus revolvens (Sw. ex anon.) Warnst. = **Scorpidium revolvens** (Sw. ex anon.)
 Rubers
Drepanocladus revolvens var. *intermedius* (Lindb.) Wilson = **Scorpidium cossonii** (Schimp.)
 Hedenäs
Drepanocladus rotae (De Not.) Warnst. = **Sarmentypnum exannulatum** (Schimp.) Hedenäs
Drepanocladus schulzei G. Roth = **Warnstorfia fluitans** (Hedw.) Loeske
Drepanocladus sendtneri var. *gracilescens* (Paris) Warnst. = **Drepanocladus sendtneri**
 (Schimp. ex Müll. Hal.) Warnst.
Drepanocladus sendtneri var. *trivialis* (Sanio) Warnst. = **Drepanocladus sendtneri** (Schimp.
 ex Müll. Hal.) Warnst.
 § *Drepanocladus sendtneri* var. *vulgaris* = **Drepanocladus sendtneri** (Schimp.) Warnst.
Drepanocladus sendtneri var. *wilsonii* (Lindb.) Warnst. = **Drepanocladus sendtneri**
 (Schimp.) Warnst.
Drepanocladus simplicissimus Warnst. = **Drepanocladus aduncus** (Hedw.) Warnst.
Drepanocladus uncinatus (Hedw.) Warnst. = **Sanionia uncinata** (Hedw.) Loeske
Drepanocladus uncinatus var. *plumosus* (Schimp.) Warnst. = **Sanionia uncinata** (Hedw.)
 Loeske
Drepanocladus vernicosus (Mitt.) Warnst. = **Hamatocaulis vernicosus** (Mitt.) Hedenäs
Drepanocladus vernicosus var. *major* (Renauld) Warnst. = **Hamatocaulis vernicosus** (Mitt.)
 Hedenäs
Drepanocladus wilsonii (Lindb.) Loeske = **Drepanocladus sendtneri** (Schimp.) Warnst.
Dryptodon acicularis (Hedw.) Fürnr. = **Racomitrium aciculare** (Hedw.) Brid.
Dryptodon atratus (Miel. ex Hornsch.) Limpr. = **Grimmia atrata** Miel. ex Hornsch.
Dryptodon caespititius (Brid.) Brid. = **Grimmia caespiticia** (Brid.) Jur.
Dryptodon funalis (Schwägr.) Brid. = **Grimmia funalis** (Schwägr.) Schimp.
Dryptodon hartmanii (Schimp.) Limpr. = **Grimmia hartmanii** Schimp.
Dryptodon incurvus (Hoppe & Hornsch.) Brid. = **Grimmia elatior** Bruch ex Bals.-Criv. &
 De Not.
Dryptodon ovatus Brid. *nom. illeg. incl. spec. prior.* = **Grimmia ovalis** (Hedw.) Lindb.
Dryptodon leucophaeus (Grev.) Brid. = **Grimmia laevigata** (Brid.) Brid.
Dryptodon patens (Hedw.) Brid. = **Grimmia ramondii** (Lam. & DC.) Margad.
Dryptodon pulvinatus (Hedw.) Brid. = **Grimmia pulvinata** (Hedw.) Sm.
Dryptodon schultzei Brid. *nom. illeg. incl. spec. prior.* = **Grimmia decipiens** (Schultz) Lindb.
Dryptodon sudeticus (Funck) Brid. = **Racomitrium sudeticum** (Funck) Bruch & Schimp.
Dubyella italica Schimp. = **Helicodontium capillare** (Hedw.) A. Jaeger

E

- Echinodium madeirense* Jur. = ***Echinodium spinosum*** (Mitt.) Jur.
 § *Echinodium myosuroides* = ***Isothecium myosuroides*** Brid.
Echinodium prolixum (Mitt.) Broth. = ***Isothecium prolixum*** (Mitt.) M. Stech, Sim-Sim, Tangney & D. Quandt
 ? *Echinodium prolixum* f. *flagellifera* Broth. = ***Isothecium prolixum*** (Mitt.) M. Stech, Sim-Sim, Tangney & D. Quandt
Echinodium setigerum var. *integrifolium* Luisier = ***Echinodium setigerum*** (Mitt.) Jur.
Echinodium raynoldii err. orthogr. pro *E. renauldii* = ***Echinodium renauldii*** (Cardot) Broth.
Echinodium setigerum var. *integrifolium* Luisier = ***Echinodium setigerum*** (Mitt.) Jur.
Ectropothecium costae Luisier & P. de la Varde = ***Hypnum uncinulatum*** Jur.
Encalypta apophysata Nees & Hornsch. nom. illeg. incl. spec. prior. = ***Encalypta affinis*** R. Hedw.
Encalypta ciliata var. *gymnostoma* Bruch ex Husn. = ***Encalypta ciliata*** Hedw.
Encalypta ciliata subsp. *microstoma* (Bals.-Criv. & De Not.) Kindb. non Schimp. = ***Encalypta microstoma*** Bals.-Criv. & De Not.
Encalypta ciliata var. *microstoma* Schimp. = ***Encalypta ciliata*** Hedw.
Encalypta commutata Nees & Hornsch. = ***Encalypta alpina*** Sm.
Encalypta contorta Hoppe ex Lindb. nom. illeg. incl. spec. prior. = ***Encalypta streptocarpa*** Hedw.
Encalypta extinctoria Sw. ex Lindb. = ***Encalypta vulgaris*** Hedw.
Encalypta fimbriata Lam. & DC. = ***Encalypta ciliata*** Hedw.
Encalypta lacera De Not. = ***Encalypta alpina*** Sm.
Encalypta laciniata Lindb. = ***Encalypta ciliata*** Hedw.
Encalypta laciniata var. *microstoma* (Bals.-Criv. & De Not.) Husn. = ***Encalypta microstoma*** Bals.-Criv. & De Not.
Encalypta lanceolata Hedw. = ***Tortula lindbergii*** Broth.
Encalypta leptodon Bruch ex Brid. = ***Encalypta rhamnocarpha*** var. ***leptodon*** (Bruch ex Brid.) Lindb.
Encalypta ligulata Spruce = ***Scopelophila ligulata*** (Spruce) Spruce
Encalypta litardieri Thér. & Trab. = ***Tortula hoppeana*** (Schultz) Ochyra
Encalypta longicolla Bruch err. orthogr. pro *E. longicollis* = ***Encalypta longicollis*** Bruch
Encalypta mutica I. Hagen EXCLUDED FROM THE AREA [385]
Encalypta obtusifolia Funck = ***Encalypta vulgaris*** Hedw.
Encalypta rhamnocarpha Schwägr. nom. inval. err. orthogr. = ***Encalypta rhamnocarpha*** Schwägr.
Encalypta rhamnocarpha var. *spathulata* (Müll. Hal.) Husn. = ***Encalypta spathulata*** Müll. Hal.
Encalypta rhamnocarpha var. *pilifera* (Funck) Nees & Hornsch. = ***Encalypta rhamnocarpha*** Schwägr.
Encalypta rhamnocarpha var. *trachymitria* (Ripart) Wijk & Margad. = ***Encalypta rhamnocarpha*** var. ***leptodon*** Lindb.
Encalypta serbica Katić [21]
Encalypta trachymitria Ripart = ***Encalypta rhamnocarpha*** var. ***leptodon*** Lindb.
Encalypta vulgaris var. *apiculata* Wahlenb. = ***Encalypta vulgaris*** Hedw.
Encalypta vulgaris var. *laevigata* Nees & Hornsch. ex Bruch & Schimp nom. illeg. incl. var. prior. = ***Encalypta vulgaris*** Hedw.
Encalypta vulgaris var. *gymnostoma* Besch. nom. nud. [193]
Encalypta vulgaris var. *mediolanensis* Warnst. = ***Encalypta intermedia*** Jur.
Encalypta vulgaris var. *mutica* Brid. = ***Encalypta vulgaris*** Hedw.
Encalypta vulgaris var. *obtusata* Nees & Hornsch. = ***Encalypta vulgaris*** Hedw.
Encalypta vulgaris var. *obtusifolia* (Funck) Husn. = ***Encalypta vulgaris*** Hedw.
Encalypta vulgaris var. *pilifera* (Funck) Huebener = ***Encalypta rhamnocarpha*** Schwägr.
Encalypta vulgaris var. *trachymitria* (Ripart) Wijk & Margad. = ***Encalypta rhamnocarpha*** var. ***leptodon*** Lindb.

- Entodon cladorrhizans* subsp. *schleicheri* (Schimp.) Giac. = ***Entodon schleicheri*** (Schimp.) Demet.
- Entodon orthocarpus* (Brid.) Lindb. = ***Entodon concinnus*** (De Not.) Paris
- Entodon palatinus* Lindb. *nom. illeg.* = ***Platygyrium repens*** (Brid.) Schimp.
- Entodon schreberi* (Willd. *ex* Brid.) Mönk. = ***Pleurozium schreberi*** (Willd. *ex* Brid.) Mitt.
- Entosthodon curviapiculatus* Müll. Hal. [22]
- Entosthodon curvisetus* (Schwägr.) Müll. Hal. = ***Funariella curviseta*** (Schwägr.) Sérgio
- Entosthodon curvisetus* var. *xanthocarpus* (P. de la Varde) Jelenc [283]
- Entosthodon deserticola* (Trab.) Jelenc = ***Entosthodon commutatus*** Durieu & Mont. [25]
- Entosthodon duriaei* var. *mustaphae* Trab. = ***Entosthodon duriaei*** Mont.
- Entosthodon ericetorum* (De Not.) Müll. Hal. = ***Entosthodon obtusus*** (Hedw.) Lindb.
- Entosthodon ericetorum* f. *elata* Besch. *nom. nud.* [194]
- Entosthodon fritzei* Geh. *nom. inval.* = ***Entosthodon commutatus*** Durieu & Mont. [25]
- Entosthodon krausei* Besch. = ***Entosthodon commutatus*** Durieu & Mont. [25]
- Entosthodon longicollis* (Trab.) Ros & M.J. Cano *nom. illeg.* = ***Entosthodon hungaricus*** (Boros) Loeske [27]
- Entosthodon maroccanus* (Meyl.) Hébr. & Lo Giudice = ***Entosthodon hungaricus*** (Boros) Loeske
- Entosthodon mitratus* (Cas.-Gil) Loeske = ***Entosthodon duriaei*** Mont.
- Entosthodon mustaphae* Trab. = ***Entosthodon duriaei*** Mont.
- Entosthodon notarisii* (Schimp.) Picone = ***Entosthodon obtusus*** (Hedw.) Lindb.
- Entosthodon obtusus* var. *longifolia* Schimp. = ***Entosthodon obtusus*** (Hedw.) Lindb.
- Entosthodon pallescens* Jur. = ***Entosthodon duriaei*** Mont.
- Entosthodon pallescens* var. *mitratus* (Cas.-Gil) Wijk & Margad. = ***Entosthodon duriaei*** Mont.
- Entosthodon physcomitroides* Cas.-Gil & Beltrán = ***Entosthodon duriaei*** Mont.
- Entosthodon saharae* (Trab.) Jelenc = ***Entosthodon commutatus*** Durieu & Mont. [25]
- Entosthodon serratus* (Brid.) Fife EXCLUDED FROM THE AREA [23]
- Entosthodon schweinfurthii* Müll. Hal. *nom. nud.* [209]
- Entosthodon subpallescens* Müll. Hal. *nom. inval.* = ***Entosthodon angustifolius*** Jur. & Milde
- Entosthodon subpallescens* Laz. = ***Entosthodon angustifolius*** Jur. & Milde
- Entosthodon templetonii* (Sm.) Schwägr. = ***Entosthodon attenuatus*** (Dicks.) Bryhn
- Ephemerella flotoiwiana* (Funck) Schimp. = ***Ephemerum cohaerens*** (Hedw.) Hampe
- Ephemerella recurvifolia* (Dicks.) Schimp. = ***Ephemerum recurvifolium*** (Dicks.) Boulay
- Ephemerella sessilis* (Bruch & Schimp.) Nyholm = ***Ephemerum crassinervium*** subsp. *sessile* (Bruch) Holyoak
- Ephemerum cohaerens* var. *flotowianum* (Funck) Hampe = ***Ephemerum cohaerens*** (Hedw.) Hampe
- Ephemerum cohaerens* var. *heterophyllum* (De Not.) Schimp. = ***Ephemerum cohaerens*** (Hedw.) Hampe
- Ephemerum flotowianum* (Funck) Limpr. = ***Ephemerum cohaerens*** (Hedw.) Hampe
- Ephemerum intermedium* Mitt. *in* Braithw. = ***Ephemerum serratum*** (Hedw.) Hampe
- Ephemerum longifolium* Schimp. *hom. illeg.* = ***Ephemerum serratum*** (Hedw.) Hampe
- Ephemerum nivale* Mitt. *nom. inval. in synonym.* = ***Ephemerum serratum*** (Hedw.) Hampe
- Ephemerum pachycarpum* (Schwägr.) Hampe = ***Ephemerum recurvifolium*** (Dicks.) Boulay
- Ephemerum patens* (Hedw.) Hampe = ***Physcomitrella patens*** (Hedw.) Bruch & Schimp.
- # *Ephemerum philiberti* Besch. = ***Micromitrium tenerum*** (Bruch & Schimp.) Crosby
- Ephemerum rutheanum* Schimp. *in* Ruthe = ***Ephemerum crassinervium*** subsp. *rutheanum* (Schimp. *in* Ruthe) Holyoak
- Ephemerum serratum* var. *angustifolium* Bruch & Schimp. = ***Ephemerum minutissimum*** Lindb.
- Ephemerum serratum* var. *intermedium* (Mitt.) Husn. *nom. illeg. incl. var. prior.* = ***Ephemerum serratum*** (Hedw.) Hampe
- Ephemerum serratum* var. *longifolium* Mönk. *nom. illeg.* = ***Ephemerum serratum*** (Hedw.) Hampe

- Ephemerum serratum* var. *minutissimum* (Lindb.) Grout = ***Ephemerum minutissimum*** Lindb.
- Ephemerum serratum* var. *praecox* A.W.H. Walther & Molendo = ***Ephemerum serratum*** (Hedw.) Hampe
- # *Ephemerum serratum* var. *subulatum* Boulay = ***Ephemerum serratum*** (Hedw.) Hampe
- Ephemerum sessile* (Bruch) Müll. Hal. = ***Ephemerum crassinervium*** subsp. *sessile* (Bruch) Holyoak
- Ephemerum sessile* var. *kushniri* Bizot [269]
- Ephemerum stellatum* H. Philib. *p.p.* = ***Ephemerum serratum*** (Hedw.) Hampe
- Ephemerum stellatum* H. Philib. *p.p.* = ***Ephemerum minutissimum*** Lindb.
- Ephemerum stenophyllum* (Voit) Schimp. = ***Ephemerum crassinervium*** subsp. *sessile* (Bruch) Holyoak
- Ephemerum stenophyllum* var. *brevifolium* Schimp. = ***Ephemerum crassinervium*** subsp. *sessile* (Bruch) Holyoak
- Ephemerum tenerum* (Bruch & Schimp.) Hampe ex Müll. Hal. = ***Micromitrium tenerum*** (Bruch & Schimp.) Crosby
- Ephemerum tenuinerve* Lindb. *nom. inval. in syn.* = ***Ephemerum serratum*** (Hedw.) Hampe
- Erythrophyllum recurvirostrum* (Hedw.) Loeske = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
- Erythrophyllum rubellum* Hilp. = ***Bryoerythrophyllum recurvirostrum*** (Hew.) P.C. Chen
- Eucladium angustifolium* Głow. = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eucladium styriacum* Głow. = ***Eucladium verticillatum*** (With.) Bruch & Schimp
- Eucladium verbanum* W.E. Nicholson & Dixon = ***Didymodon glaucus*** Ryan [406]
- Eucladium verticillatum* var. *angustifolium* Lindb. = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eucladium verticillatum* var. *angustifolium* Jur. *nom. illeg.* [276]
- # *Eucladium verticillatum* var. *arcuata* Meyran *nom. nud.* = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eucladium verticillatum* var. *clinotheca* (Besch.) Paris = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eucladium verticillatum* var. *crispatum* Röhl = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eucladium verticillatum* var. *dalmaticum* Paris = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eucladium verticillatum* var. *holodontium* Schiffn. [276]
- Eucladium verticillatum* var. *setaceum* Schimp. *nom. nud.* = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
- Eurhynchium abbreviatum* (Turner) Brocqm. = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röhl
- \$ *Eurhynchium alopecuroides* = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Eurhynchium alopecurum* (Brid.) P.W. Richards. & E.W. Wallace = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Eurhynchium androgynum* (Schimp.) Schimp. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Eurhynchium atrovirens* H. Klinggr. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium bornmuelleri* Schiffn. *nom. inval.* = ***Isothecium myosuroides*** Brid.
- Eurhynchium canariense* A. Jaeger = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium circinatum* (Brid.) Schimp. = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
- Eurhynchium circinatum* var. *deflexifolium* (Solms) Husn. = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- Eurhynchium circinatum* var. *leskeoides* (Suse) Mönk. = ***Scorpiurium sendtneri*** (Schimp.) M. Fleisch.
- # *Eurhynchium circinatum* var. *myosuroides* Bott. = ***Scorpiurium deflexifolium*** (Solms.) M. Fleisch. & Loeske
- Eurhynchium circinatum* var. *rivulare* (De Not.) Bott. = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- \$ *Eurhynchium circinatum* var. *sendtneri* = ***Scorpiurium sendtneri*** ((Schimp.) M. Fleisch.

- Eurhynchium cirrosum* (Schwägr.) Husn. *hom. illeg.* = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
- Eurhynchium cirrosum* var. *funckii* (Schimp.) Limpr. = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Eurhynchium cirrosum* var. *gracillimum* Molendo = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
- Eurhynchium cirrosum* var. *molendoi* (Schimp.) Limpr. *nom. illeg. incl. var. prior.* = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
- Eurhynchium confertum* (Dicks.) Milde = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Eurhynchium confertum* var. *daldinianium* De Not. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Eurhynchium confertum* var. *delognei* (Pire) Boulay = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Eurhynchium confertum* var. *hercynicum* (Milde) Machado-Guim. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- § *Eurhynchium confertum* var. *inundatum* = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Eurhynchium confertum* var. *julaceum* Machado-Guim. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Eurhynchium crassinervium* (Taylor) Schimp. = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Eurhynchium crassinervium* var. *auronitens* Molendo = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Eurhynchium crassinervium* var. *imbricatum* Zodda *nom. illeg. incl. var. prior.* = ***Eurhynchiastrum pulchellum*** var. *praecox* (Hedw.) Ochyra & Żarnowiec
- Eurhynchium crassinervium* var. *tenue* (Braithw.) Limpr. = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Eurhynchium crassinervium* var. *turgescens* Molendo = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Eurhynchium curvisetum* (Brid.) Delogne = ***Rhynchostegiella curviseta*** (Brid.) Limpr.
- Eurhynchium deflexifolium* (Solms) G. Roth = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- Eurhynchium delognei* (Pire) Besch. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Eurhynchium demissum* (Wilson) Milde = ***Sematophyllum demissum*** (Wilson) Mitt.
- Eurhynchium depressum* (Brid.) Milde = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.
- Eurhynchium diversifolium* Schimp. = ***Eurhynchiastrum pulchellum*** var. *diversifolium* (Schimp.) Ochyra & Żarnowiec
- Eurhynchium euchloron* (Müll. Hal.) Jur. & Milde = ***Palamocladium euchloron*** (Müll. Hal.) Wijk & Margad.
- Eurhynchium flotowianum* (Sendt.) Kartt. = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
- Eurhynchium germanicum* Grebe = ***Rhynchostegiella tenuicaulis*** (Spruce) Kartt.
- Eurhynchium hercynicum* Milde = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Eurhynchium hians* (Hedw.) Sande Lac. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium hians* var. *rigidum* (Boulay) J.-P. Frahm = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium histrio* Molendo *nom. illeg. incl. spec. prior.* = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
- Eurhynchium illecebrum* Milde = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Eurhynchium longirostre* Schimp. *nom. illeg. incl. spec. prior.* = ***Eurhynchium striatum*** (Schreb. ex Hedw.) Schimp.
- Eurhynchium longirostre* var. *meridionale* Schimp. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium magnusii* (H. Winter) Pilous = ***Eurhynchium striatum*** (Schreb. ex Hedw.) Schimp.
- Eurhynchium megapolitanum* (Blandow ex F. Weber & D. Mohr) Milde = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.

- Eurhynchium megapolitanum* var. *meridionale* Schimp. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium meridionale* (Schimp.) De Not. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium meridionale* var. *canariense* (A. Jaeger) Pit. & G. Negri = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium murale* (Hedw.) Milde = ***Rhynchostegium murale*** (Hedw.) Schimp.
- Eurhynchium murale* var. *julaceum* (Schimp.) Milde = ***Rhynchostegium murale*** (Hedw.) Schimp.
- Eurhynchium myosuroides* (Brid.) Schimp. = ***Isothecium myosuroides*** Brid.
- Eurhynchium myosuroides* var. *densum* Renauld & Héríb. = ***Isothecium myosuroides*** Brid.
- Eurhynchium myurum* (Brid.) Dixon = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
- Eurhynchium orotavense* Renauld & Cardot = ***Oxyrrhynchium hians*** (Hedw.) Sande Lac.
- Eurhynchium pallidirostrum* Limpr. = ***Microeurhynchium pumilum*** (Wilson) Ignatov & Vanderp.
- Eurhynchium piliferum* (Hedw.) Schimp. = ***Cirriphyllum piliferum*** (Hedw.) Grout
- Eurhynchium praelongum* (Hedw.) Schimp. = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Eurhynchium praelongum* var. *abbreviatum* Schimp. *nom. illeg. incl. var. prior.* = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röhl
- Eurhynchium praelongum* var. *atrovirens* (Brid.) Schimp. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- # *Eurhynchium praelongum* var. *condensatum* Meyran *nom. nud.* = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium praelongum* var. *hians* (Hedw.) Bott. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium praelongum* var. *laxirete* Renauld & Cardot = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium praelongum* var. *macrocarpum* Schimp. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Eurhynchium praelongum* var. *pumilum* (Wilson) Schimp. = ***Microeurhynchium pumilum*** (Wilson) Ignatov & Vanderp.
- Eurhynchium praelongum* var. *rigidum* (Boulay) Husn. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium praelongum* var. *robustum* (Limpr.) J.J. Amann = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium praelongum* subsp. *schleicheri* (R. Hedw.) Kindb. = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röhl
- Eurhynchium praelongum* var. *stokesii* (Turner) Dixon = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Eurhynchium praelongum* subsp. *swartzii* (Turn.) Kindb. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium pulchellum* (Hedw.) Jenn. = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen
- Eurhynchium pulchellum* var. *diversifolium* (Schimp.) C.E.O. Jensen = ***Eurhynchiastrum pulchellum*** var. ***diversifolium*** (Schimp.) Ochyra & Żarnowiec
- Eurhynchium pulchellum* var. *praecox* (Hedw.) Dixon = ***Eurhynchiastrum pulchellum*** var. ***praecox*** (Hedw.) Ochyra & Żarnowiec
- Eurhynchium pumilum* (Wilson) Schimp. = ***Microeurhynchium pumilum*** (Wilson) Ignatov & Vanderp.
- Eurhynchium riparioides* (Hedw.) P.W. Richards = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rotundifolium* (Scop. ex Brid.) Milde = ***Rhynchostegium rotundifolium*** (Scop. ex Brid.) Schimp.
- Eurhynchium rusciforme* Milde = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rusciforme* var. *alopecuroides* (Brid.) Dixon = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.

- Eurhynchium rusciforme* var. *atlanticum* (Brid.) Milde = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rusciforme* var. *cylindricum* Husn. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rusciforme* var. *inundatum* (Brid.) Milde = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rusciforme* var. *lusitanicum* (Schimp.) Machado-Guim. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Eurhynchium rusciforme* var. *prolixum* (Dicks. ex Brid.) Milde = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rusciforme* var. *spinulosum* Meyran *nom. nud.* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium rusciforme* var. *vulgare* Husn. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Eurhynchium schleicheri* (R. Hedw.) Milde = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röll
- Eurhynchium schleieropus* Schimp. = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Eurhynchium speciosum* (Brid.) Jur. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Eurhynchium stokesii* (Turner) Schimp. = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Eurhynchium stokesii* var. *teneriffae* Renaud & Cardot = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Eurhynchium striatulum* (Spruce) Schimp. = ***Plasteurhynchium striatulum*** (Spruce) M. Fleisch.
- Eurhynchium striatulum* var. *cavernarum* Molendo = ***Plasteurhynchium striatulum*** (Spruce) M. Fleisch.
- # *Eurhynchium striatum* var. *depressum* Berthoum. & Buys. = ***Eurhynchium angustirete*** (Broth.) T.J. Kop.
- Eurhynchium striatum* subsp. *meridionale* (Schimp.) J.J. Amann = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium striatum* var. *meridionale* (Schimp.) Schimp. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Eurhynchium striatum* var. *pachycladum* G. Roth = ***Eurhynchium angustirete*** (Broth.) T.J. Kop.
- # *Eurhynchium striatum* var. *repens* Hillier = ***Eurhynchium angustirete*** (Broth.) T.J. Kop.
- \$ *Eurhynchium striatum* var. *robustum* = ***Eurhynchium striatum*** (Hedw.) Schimp.
- Eurhynchium striatum* subsp. *zetterstedtii* (P. Størmer) Podp. = ***Eurhynchium angustirete*** (Broth.) T.J. Kop.
- Eurhynchium strigosum* (Hoffm. ex F. Weber & D. Mohr) Schimp. *nom. illeg. incl. spec. prior.* = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen
- Eurhynchium strigosum* var. *diversifolium* (Schimp.) Molendo & Lorentz = ***Eurhynchiastrum pulchellum*** var. *diversifolium* (Schimp.) Ochyra & Żarnowiec
- Eurhynchium strigosum* var. *imbricatum* Schimp. = ***Eurhynchiastrum pulchellum*** var. ***praecox*** (Hedw.) Ochyra & Żarnowiec
- Eurhynchium strigosum* var. *praecox* (Hedw.) Husn. = ***Eurhynchiastrum pulchellum*** var. ***praecox*** (Hedw.) Ochyra & Żarnowiec
- \$ *Eurhynchium strigosum* var. *pulcherrimum* = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen var. ***pulchellum***
- Eurhynchium swartzii* (Turner) Curnow = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium swartzii* var. *abbreviatum* (Turner) Jäggli = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röll
- Eurhynchium swartzii* var. *meridionale* Warnst. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium swartzii* var. *rigidum* (Boulay) Thér. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium swartzii* var. *robustum* Limpr. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Eurhynchium teesdalei* (Schimp.) Milde = ***Rhynchostegiella teneriffae*** Dirkse & Bouman
- Eurhynchium tenellum* (Dicks.) Milde = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Eurhynchium tenellum* var. *meridionale* (Boulay) Dixon = ***Rhynchostegiella tenella*** var. ***meridionalis*** (Boulay) Zodda

- Eurhynchium tenellum* var. *scabrellum* Dixon = ***Rhynchostegiella litorea*** (De Not.) Limpr.
Eurhynchium ticinense (Kindb.) Kindb. = ***Rhynchostegiella teneriffae*** Dirkse & Bouman
Eurhynchium tommasinii (Sendtn. ex Boulay) Molendo = ***Brachythecium tommasinii***
 (Sendtn. ex Boulay) Ignatov & Huttunen
Eurhynchium vaucheri (Lesq.) Schimp. = ***Brachythecium tommasinii*** (Sendtn. ex Boulay)
 Ignatov & Huttunen
Eurhynchium vaucheri var. *fagineum* H. Müll. ex Milde = ***Rhynchostegiella tenuicaulis***
 (Spruce) Kartt.
Eurhynchium vaucheri var. *julaceum* Schimp. = ***Brachythecium cirrosum*** (Schwägr.)
 Schimp.
Eurhynchium velutinoides Schimp. *nom. illeg. incl. spec. prior.* = ***Sciuro-hypnum***
flotowianum (Sendtn.) Ignatov & Huttunen
Eurhynchium zetterstedtii Størmer = ***Eurhynchium angustirete*** (Broth.) T.J. Kop.

F

- Fabronia gueinzii* Hampe [34]
Fabronia leikipiae var. *ahaggarensis* Thér. & Trab. [33]
Fabronia octoblepharis Schwägr. *nom. illeg. incl. spec. prior.* = ***Fabronia ciliaris*** (Brid.)
 Brid.
Fabronia major De Not. = ***Fabronia ciliaris*** (Brid.) Brid.
Fabronia notarisiana Hampe *hom. illeg.* = ***Fabronia pusilla*** Raddi
Fabronia pusilla var. *ciliata* Lesq. & Jam. = ***Fabronia pusilla*** Raddi
Fabronia pusilla var. *schimperii* Venturi ex Limpr. = ***Fabronia pusilla*** Raddi
Fabronia schimperiana De Not. = ***Fabronia pusilla*** Raddi
Fabronia splachnoides (J. Froehl. ex Brid.) Müll. Hal. = ***Anacamptodon splachnoides***
 (J. Froehl. ex Brid.) Brid.
Fissidens adianthoides subsp. *decipiens* (De Not.) Boulay = ***Fissidens dubius*** P. Beauv.
 # *Fissidens adianthoides* var. *marginatus* Schimp. = ***Fissidens adianthoides*** Hedw.
Fissidens adianthoides subsp. *subtaxifolius* Kindb. = ***Fissidens adianthoides*** Hedw.
Fissidens alexandrinus Lorentz = ***Fissidens crassipes*** subsp. ***warnstorffii*** (M. Fleisch.)
 Brugg.-Nann.
Fissidens algarvicus Solms = ***Fissidens curvatus*** Hornsch.
Fissidens alpestris (Lindb.) J.J. Amann = ***Fissidens bryoides*** Hedw.
Fissidens antineae P. de la Varde = ***Fissidens arnoldii*** R. Ruthe
Fissidens arcticus Bryhn = ***Fissidens bryoides*** Hedw.
 § *Fissidens asplenioides* f. *atlanticus* = ***Fissidens asplenioides*** Hedw.
 § *Fissidens asplenioides* var. *atlanticus* = ***Fissidens asplenioides*** Hedw.
 § *Fissidens asplenioides* f. *inundatus* = ***Fissidens asplenioides*** Hedw.
Fissidens asplenioides var. *polyphyllus* (Wilson ex Bruch & Schimp.) Wilson = ***Fissidens***
polyphyllus Wilson ex Bruch & Schimp.
Fissidens atlanticus Renaud & Cardot = ***Fissidens asplenioides*** Hedw.
Fissidens attenuatus Bryhn = ***Fissidens curvatus*** Hornsch.
Fissidens bambergeri Schimp. ex Milde = ***Fissidens viridulus*** (Sw. ex anon.) Wahlenb. var.
viridulus
Fissidens bambergeri var. *cyprius* (Jur.) G. Roth = ***Fissidens crispus*** Mont.
Fissidens bambergeri var. *aegyptiacus* Renaud & Cardot = ***Fissidens crassipes*** subsp.
warnstorffii (M. Fleisch.) Brugg.-Nann.
Fissidens barretoii Dixon & Luisier = ***Fissidens taxifolius*** subsp. ***pallidicaulis*** (Mitt.) Mönk.
Fissidens bilewskyi P. de la Varde = ***Fissidens crispus*** Mont.
Fissidens bloxamii Wilson = ***Fissidens exilis*** Hedw.
Fissidens bonvaleti Schimp. & Paris = ***Fissidens taxifolius*** Hedw.
Fissidens bryoides var. *bottinii* (Zodda) Podp. = ***Fissidens incurvus*** subsp. ***bottinii*** Zodda
 [339]
Fissidens bryoides f. *cavernicolous* Tosco [339]

- Fissidens bryoides* subsp. *curnovii* (Mitt.) Dixon = *Fissidens bryoides* var. *caespitans* Schimp.
- Fissidens bryoides* var. *giganteus* Brid. [306]
- Fissidens bryoides* var. *gymnandrus* (Buse) R. Ruthe = *Fissidens gymnandrus* Buse
- Fissidens bryoides* var. *hedwigii* Limpr. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb.
- Fissidens bryoides* subsp. *herzogii* (R. Ruthe ex Herzog) Podp. = *Fissidens crispus* Mont.
- Fissidens bryoides* subsp. *inconstans* (Schimp.) P. de la Varde = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens bryoides* var. *inconstans* (Schimp.) R. Ruthe = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*.
- Fissidens bryoides* subsp. *incurvus* (Starke ex Röhl.) Bertsch = *Fissidens viridulus* var. *incurvus* (Starke ex Röhl.) Waldh.
- Fissidens bryoides* var. *intermedius* R. Ruthe = *Fissidens viridulus* (Sw. ex anon.) Wahlenb.
- Fissidens bryoides* var. *obductus* Venturi = *Fissidens ovatifolius* R. Ruthe
- Fissidens bryoides* var. *pusillus* (Wilson) Pursell = *Fissidens pusillus* (Wilson) Milde
- Fissidens bryoides* var. *rivularis* Spruce = *Fissidens rivularis* (Spruce) Schimp.
- Fissidens bryoides* subsp. *tamarindifolius* (Turner) Podp. = *Fissidens viridulus* var. *incurvus* (Starke ex Röhl.) Waldh.
- Fissidens bryoides* subsp. *viridulus* (Sw.) Kindb. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens bryoides* var. *viridulus* (Sw.) Broth. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens canariensis* Bryhn nom. illeg. = *Fissidens crispus* Mont.
- Fissidens crassipes* var. *philibertii* Besch. = *Fissidens crassipes* subsp. *warnstorffii* (M. Fleisch.) Brugg.-Nann.
- Fissidens crassipes* var. *pusillus* Machado-Guim. [324]
- Fissidens crassipes* var. *rufipes* Schimp. = *Fissidens crassipes* Wilson ex Bruch & Schimp. subsp. *crassipes*
- Fissidens crassipes* var. *submarginatus* M. Fleisch. & Warnst. = *Fissidens crassipes* subsp. *warnstorffii* (M. Fleisch.) Brugg.-Nann.
- ? *Fissidens crassipes* var. *submarginatus* f. *sublineaefolius* nom. inval. = *Fissidens sublineaefolius* (P. de la Varde) Brugg.-Nann.
- Fissidens crassipes* var. *warnstorffi* (M. Fleisch.) Brugg.-Nann. = *Fissidens crassipes* subsp. *warnstorffi* (M. Fleisch.) Brugg.-Nann.
- Fissidens cristatus* Wilson ex Mitt. = *Fissidens dubius* P. Beauv.
- Fissidens cristatus* var. *angustatus* Luisier nom. nud. = *Fissidens dubius* P. Beauv.
- Fissidens cristatus* var. *mucronatus* (Breidl. ex Limpr.) Waldh. = *Fissidens dubius* P. Beauv.
- Fissidens curnovii* Mitt. = *Fissidens bryoides* var. *caespitans* Schimp.
- Fissidens cyprius* Jur. = *Fissidens crispus* Mont.
- Fissidens decipiens* De Not. = *Fissidens dubius* P. Beauv.
- Fissidens dubius* var. *mucronatus* (Breidl. ex Limpr.) Kartt., Hedenäs & L. Söderstr. [376]
- Fissidens exiguus* auct. eur. partim non Sull. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens exiguus* auct. eur. partim = *Fissidens pusillus* (Wilson) Milde
- Fissidens exiguus* Sull. = *Fissidens bryoides* complex
- Fissidens fritzei* Geh. = *Fissidens curvatus* Hornsch.
- Fissidens goesii* Luisier nom. nud. [305]
- § *Fissidens grandifrons* var. *pallidicaulis* = *Fissidens taxifolius* subsp. *pallidicaulis* (Mitt.) Mönk.
- Fissidens haraldii* (Lindb.) Limpr. = *Fissidens viridulus* (Sw.) Wahlenb. var. *viridulus*
- Fissidens herzogii* R. Ruthe ex Herzog = *Fissidens crispus* Mont.
- Fissidens impar* Mitt. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- *Fissidens impar* f. *pseudoinconstans* P. de la Varde = *Fissidens viridulus* (Sw. ex anon.) Wahlenb.
- Fissidens inconstans* Schimp. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- § *Fissidens inconstans* f. *viridis* = *Fissidens bryoides* complex

- Fissidens incurvus* Starke ex Röhl. = *Fissidens viridulus* var. *incurvus* (Starke ex Röhl.) Waldh.
- Fissidens incurvus* var. *algarvicus* (Solms) Husn. = *Fissidens curvatus* Hornsch.
- Fissidens incurvus* subsp. *bottinii* Zodda [339]
- Fissidens incurvus* var. *fontanus* Bruch & Schimp. = *Fissidens crassipes* Wilson ex Bruch & Schimp. subsp. *crassipes*
- Fissidens incurvus* var. *inconstans* (Schimp.) Husn. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens incurvus* f. *minor* Limpr. [339]
- Fissidens incurvus* var. *pusillus* Wilson = *Fissidens pusillus* (Wilson) Milde
- Fissidens incurvus* var. *tamarindifolius* (Turner) Braithw. = *Fissidens viridulus* var. *incurvus* (Starke ex Röhl.) Waldh.
- Fissidens incurvus* var. *tenuifolius* Boulay = *Fissidens gracilifolius* Brugg.-Nann. & Nyholm
- Fissidens intermedius* Müll. Hal. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb.
- Fissidens intralimbatus* R. Ruthe = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens julianus* (DC.) Schimp. = *Fissidens fontanus* (Bach. Pyl.) Steud.
- Fissidens kosaninii* Latzel = *Fissidens viridulus* complex
- Fissidens langei* De Not. = *Fissidens serrulatus* Brid.
- Fissidens ligulatus* Hook. f & Wilson = *Fissidens asplenioides* Hedw.
- Fissidens limbatus* Sull. = *Fissidens crispus* Mont.
- Fissidens limbatus* var. *bambergeri* (Milde) Waldh. = *Fissidens viridulus* (Sw. ex anon.) Wahlenb. var. *viridulus*
- Fissidens luisieri* P. de la Varde = *Fissidens serrulatus* Brid.
- Fissidens mildeanus* Schimp. = *Fissidens crassipes* Wilson ex Bruch & Schimp. subsp. *crassipes*
- Fissidens minutulus* auct. eur. non Sull. = *Fissidens pusillus* (Wilson) Milde
- Fissidens minutulus* Sull. = *Fissidens crispus* Mont.
- Fissidens minutulus* subsp. *pusillus* (Wilson) Wijk & Margad. = *Fissidens pusillus* (Wilson) Milde
- Fissidens minutulus* subsp. *pusillus* f. *cavernarum* Tosco nom. inval. [339]
- Fissidens minutulus* subsp. *tenuifolius* (Boulay) Lambinon = *Fissidens gracilifolius* Brugg.-Nann. & Nyholm
- Fissidens minutulus* var. *tenuifolius* Nork. nom. inval. = *Fissidens gracilifolius* Brugg.-Nann. & Nyholm
- Fissidens mnevidis* J.J. Amann = *Fissidens crassipes* subsp. *warnstorffii* (M. Fleisch.) Brugg.-Nann.
- Fissidens mouretii* Corb. = *Fissidens crassipes* subsp. *warnstorffii* (M. Fleisch.) Brugg.-Nann.
- Fissidens narbonensis* Roum. [35]
- Fissidens obductus* (Venturi) Giacom. = *Fissidens ovatifolius* R. Ruthe
- Fissidens obtusifolius* Wilson = *Fissidens arnoldii* R. Ruthe
- Fissidens osmundoides* var. *microcarpus* Bruch & Schimp. = *Fissidens osmundoides* Hedw.
- Fissidens ovatus* Brid. EXCLUDED FROM THE AREA [129]
- Fissidens ovatus* var. *azoricus* P. de la Varde = *Fissidens azoricus* (P. de la Varde) Bizot
- Fissidens pallidicaulis* Mitt. = *Fissidens taxifolius* subsp. *pallidicaulis* (Mitt.) Mönk.
- Fissidens pallidicaulis* var. *major* Luisier = *Fissidens taxifolius* subsp. *pallidicaulis* (Mitt.) Mönk.
- ? *Fissidens pallidicaulis* f. *taxifolius* = *Fissidens taxifolius* subsp. *pallidicaulis* (Mitt.) Mönk.
- Fissidens panizzii* De Not. ex Mitten = *Fissidens crassipes* Wilson ex Bruch & Schimp. subsp. *crassipes*
- Fissidens papillosus* Sande Lac. = *Fissidens serratus* Müll. Hal.
- Fissidens perssonii* P. de la Varde = *Fissidens ovatifolius* R. Ruthe
- Fissidens polyphyllus* var. *lusitanicus* (Par.) Luisier nom. illeg. incl. var. prior. = *Fissidens polyphyllus* Wilson ex Bruch & Schimp.
- Fissidens polyphyllus* var. *newtonii* Husn. = *Fissidens polyphyllus* Wilson ex Bruch & Schimp.

- Fissidens polyphyllus* var. *welwitschii* Bott. = ***Fissidens polyphyllus*** Wilson ex Bruch & Schimp.
- Fissidens pusillus* var. *algarvicus* (Solms) Boulay ex Husn. *nom. inval. in synonym. err. pro F. incurvus* var. *algarvicus* (Solms) Husn. = ***Fissidens curvatus*** Hornsch.
- Fissidens pusillus* var. *fallax* Limpr. [339]
- Fissidens pusillus* var. *madidus* Spruce = ***Fissidens crispus*** Mont.
- Fissidens pusillus* var. *minutulus* (Sull.) Husn. *nom. illeg. prior. ut spec.* = ***Fissidens crispus*** Mont.
- Fissidens pusillus* var. *tenuifolius* Boulay ex Podp. *nom. inval. in synonym. err. pro F. incurvus* var. *tenuifolius* Boulay = ***Fissidens gracilifolius*** Brugg.-Nann. & Nyholm
- Fissidens sciuroides* Hedw. = ***Leucodon sciuroides*** (Hedw.) Schwägr.
- Fissidens serrulatus* var. *africanus* Besch. = ***Fissidens serrulatus*** Brid.
- Fissidens serrulatus* var. *langei* (De Not.) Bott. = ***Fissidens serrulatus*** Brid.
- Fissidens serrulatus* var. *henriquesii* Luisier = ***Fissidens serrulatus*** Brid.
- § *Fissidens serrulatus* f. *subintegrifolius* = ***Fissidens serrulatus*** Brid.
- Fissidens subimmarginatus* H. Philib. = *Fissidens bryoides* complex
- Fissidens tamarindifolius* (Turner) Brid. = ***Fissidens viridulus*** var. *incurvus* (Starke ex Röhl.) Waldh.
- Fissidens taxifolius* var. *bonvaleti* (Schimp. & Paris) Besch. = ***Fissidens taxifolius*** Hedw.
- § *Fissidens taxifolius* var. *major* = ***Fissidens taxifolius*** subsp. ***pallidicaulis*** (Mitt.) Mönk.
- ? *Fissidens taxifolius* subsp. *pallidicaulis* var. *major* Luisier *nom. inval.* = ***Fissidens taxifolius*** subsp. ***pallidicaulis*** (Mitt.) Mönk.
- Fissidens taxifolius* var. *pallidicaulis* (Mitt.) Corb. = ***Fissidens taxifolius*** subsp. ***pallidicaulis*** (Mitt.) Mönk.
- # *Fissidens taxifolius* var. *tenuis* Bott. = ***Fissidens taxifolius*** Hedw. subsp. ***taxifolius***
- Fissidens valiae* P. de la Varde = *Fissidens viridulus* complex
- Fissidens verrucosus* Lesq. = ***Fissidens rufulus*** Bruch & Schimp.
- Fissidens viridulus* var. *algeriensis* Corb. = ***Fissidens rufulus*** Bruch & Schimp.
- Fissidens viridulus* subsp. *bambergeri* (Schimp.) Kindb. = ***Fissidens viridulus*** Sw. ex anon.) Wahlenb. var. ***viridulus***
- Fissidens viridulus* var. *bambergeri* (Schimp.) Waldh. = ***Fissidens viridulus*** (Sw. ex anon.) Wahlenb. var. ***viridulus***
- Fissidens viridulus* var. *crassipes* (Wilson ex Bruch & Schimp.) Husn. *nom. illeg. incl. var. prior.* = ***Fissidens crassipes*** Wilson ex Bruch & Schimp.
- Fissidens viridulus* var. *intralimbatus* (R. Ruthe) Düll = ***Fissidens viridulus*** (Sw. ex anon.) Wahlenb. var. ***viridulus***
- Fissidens viridulus* var. *lylei* Wilson p. p. = *Fissidens viridulus* complex
- Fissidens viridulus* var. *lylei* Wilson p. p. = ***Fissidens pusillus*** (Wilson) Milde
- Fissidens viridulus* var. *mildeanus* (Schimp.) Husn. = ***Fissidens crassipes*** Wilson ex Bruch & Schimp. subsp. ***crassipes***
- Fissidens viridulus* f. *tamarindifolius* (Turner) P. de la Varde = ***Fissidens viridulus*** var. ***incurvus*** (Starke ex Röhl.) Waldh.
- Fissidens viridulus* var. *tamarindifolius* (Turner) Grout = ***Fissidens viridulus*** var. ***incurvus*** (Starke ex Röhl.) Waldh.
- Fissidens viridulus* var. *tenuifolius* (Boulay) A.J.E. Sm. = ***Fissidens gracilifolius*** Brugg.-Nann. & Nyholm
- Fissidens warnstorffii* M. Fleisch. = ***Fissidens crassipes*** subsp. ***warnstorffii*** (M. Fleisch.) Brugg.-Nann.
- Fissidens warnstorffii* var. *sublineaefolius* P. de la Varde = ***Fissidens sublineaefolius*** (P. de la Varde) Brugg.-Nann.
- ? *Fissidens warnstorffii* var. *sublineaefolius* f. *major* *nom. inval.* = ***Fissidens sublineaefolius*** (P. de la Varde) Brugg.-Nann.
- ? *Fissidens warnstorffii* var. *sublineaefolius* f. *minor* *nom. inval.* = ***Fissidens sublineaefolius*** (P. de la Varde) Brugg.-Nann.
- Fontinalis albicans* Weber *nom. inval.* = ***Hedwigia ciliata*** (Hedw.) P. Beauv.
- Fontinalis androgyna* (Ruthe) Mönk. = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***

- Fontinalis antipyretica* Hedw. var. *antipyretica* = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* f. *alpestris* Milde = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *azorica* Cardot = ***Fontinalis antipyretica*** Hedw.
- Fontinalis antipyretica* var. *constantinica* Cardot *nom. inval. in synon.* = ***Fontinalis antipyretica*** Hedw.
- Fontinalis antipyretica* var. *cymbifolia* Nicholson = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *gigantea* (Sull.) Sull. = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *gracilis* (Lindb.) Schimp. = ***Fontinalis antipyretica*** subsp. ***gracilis*** (Lindb.) Schimp.
- Fontinalis antipyretica* var. *heldreichii* R. Ruthe = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *lachenaudii* (Cardot) Warnst. = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *latifolia* Milde = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *mollis* (Müll. Hal.) W.H. Welch = ***Fontinalis antipyretica*** Hedw.
- Fontinalis antipyretica* var. *montana* H. Müll. = ***Fontinalis antipyretica*** Hedw.
- Fontinalis antipyretica* var. *robusta* Cardot = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis antipyretica* var. *rufescens* Besch. *ex* Cardot = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis arvernica* Renaud = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis bovei* Cardot = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis camusii* Cardot = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis capillacea* L. *ex* Dicks. = ***Dichelyma capillaceum*** (L. *ex* Dicks.) Myrin
- Fontinalis capillaris* L. [336]
- Fontinalis cavaraeana* Farneti = ***Fontinalis dalecarlica*** Schimp.
- Fontinalis cavifolia* Warnst. & M. Fleisch. = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis constantinica* Cardot *ex* Jelenc *nom. inval.* = ***Fontinalis antipyretica*** subsp. ***gracilis*** (Lindb.) Kindb.
- Fontinalis dolosa* Cardot = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Fontinalis duriaei* Schimp. = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis duriaei* var. *integra* Trab. *in* Maire & Werner = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis duriaei* var. *intermedia* Cardot = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis duriaei* var. *pungens* G. Roth & Zodda = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis fasciculata* Lindb. = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis gothica* Cardot & Arnell = ***Fontinalis antipyretica*** subsp. ***gracilis*** (Lindb.) Kindb.
- Fontinalis gracilis* Lindb. = ***Fontinalis antipyretica*** subsp. ***gracilis*** (Lindb.) Kindb.
- # *Fontinalis heldreichii* (R. Ruthe) Müll. Hal. *ex* Kindb = ***Fontinalis antipyretica*** subsp. ***gracilis*** (Lindb.) Kindb.
- Fontinalis heteromalla* (Hedw.) Brot. = ***Cryphaea heteromalla*** (Hedw.) D. Mohr
- Fontinalis howellii* auct. *eur.* = ***Fontinalis antipyretica*** Hedw.
- # *Fontinalis hypnoides* var. *ramosa* Farn. = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis hypnoides* var. *ravani* (Hy) Cardot = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis intermedia* Cardot *nom. inval.* = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis islandica* Cardot = ***Fontinalis antipyretica*** Hedw.
- Fontinalis juliana* Savi *ex* DC. = ***Fissidens fontanus*** (Bach. Pyl.) Steud.

- Fontinalis kindbergii* Renaud & Cardot = ***Fontinalis antipyretica*** subsp. ***kindbergii*** (Renaud & Cardot) Cardot
- Fontinalis longifolia* C.E.O. Jensen = ***Fontinalis antipyretica*** Hedw.
- Fontinalis mesopotamica* Schiffn. = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis minor* L. ex Sw. = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- *Fontinalis minor* Brot. = ***Fontinalis squamosa*** Hedw.
- Fontinalis pennata* Huds. nom. inval. = ***Neckera pumila*** Hedw.
- Fontinalis pseudoduriaui* Cardot in Jelenc = ***Fontinalis antipyretica*** Hedw.
- Fontinalis ravanii* (Hy) Cardot = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis seriata* Lindb. = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis seriata* var. *pseudofasciculata* P. de la Varde nom. nud. = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis sparsifolia* Limpr. = ***Fontinalis antipyretica*** Hedw.
- # *Fontinalis squamosa* var. *capillaris* Luisier = ***Fontinalis squamosa*** Hedw.
- Fontinalis squamosa* var. *latifolia* Grav. = ***Fontinalis squamosa*** L. ex Hedw. var. ***squamosa***
- Fontinalis squamosa* var. *tenella* Bruch & Schimp. = ***Fontinalis hypnoides*** C. Hartm.
- Fontinalis trabutii* Cardot in Jelenc = ***Fontinalis hypnoides*** var. ***duriaei*** (Schimp.) Kindb.
- Fontinalis thulensis* C.E.O. Jensen = ***Fontinalis antipyretica*** Hedw.
- Forsstroemia canariensis* (Renaud & Cardot) Enroth = ***Isothecium algarvicum*** W.E. Nicholson & Dixon
- Funaria algieriensis* Lindb. in Broth. = ***Entosthodon schimperi*** Brugués
- Funaria angustifolia* (Jur. & Milde) Broth. hom. illeg. = ***Entosthodon angustifolius*** Jur. & Milde
- Funaria attenuata* (Dicks.) Lindb. = ***Entosthodon attenuatus*** (Dicks.) Bryhn
- Funaria calcarea* Wahlenb. = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria calcarea* var. *convexa* (Spruce) Husn. = ***Entosthodon convexus*** (Spruce) Brugués
- Funaria calcarea* var. *flaccida* (Bruch & Schimp.) Schimp. = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria calcarea* var. *hibernica* Boulay = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria calcarea* var. *mediterranea* (Lindb.) C.E.O. Jensen & Medelius = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria calcarea* var. *patula* (Bruch & Schimp.) Schimp. = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria calvescens* Schwägr. = ***Funaria hygrometrica*** Hedw.
- Funaria commutata* (Durieu & Mont.) Lindb. = ***Entosthodon commutatus*** Durieu & Mont.
- Funaria convexa* Spruce = ***Entosthodon convexus*** (Spruce) Brugués
- Funaria curviapiculata* (Müll. Hal.) Broth. = ***Entosthodon curviapiculatus*** Müll. Hal. [22]
- Funaria curviseta* (Schwägr.) Milde = ***Funariella curviseta*** (Schwägr.) Sérgio
- Funaria curviseta* var. *xanthocarpa* P. de la Varde = ***Entosthodon curvisetus*** var. ***xanthocarpus*** (P. de la Varde) Jelenc [283]
- Funaria dentata* Crome = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria dentata* var. *convexa* (Spruce) Bott. in Loeske = ***Entosthodon convexus*** (Spruce) Brugués
- Funaria dentata* var. *hibernica* (Hook.) Loeske = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria dentata* var. *longifolia* Jelenc nom. nud. [371]
- Funaria dentata* var. *mediterranea* (Lindb.) Limpr. = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria dentata* subsp. *mediterranea* (Lindb.) J.J. Amann. = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria dentata* var. *patula* (Bruch & Schimp.) Jelenc = ***Entosthodon muhlenbergii*** (Turner) Fife
- Funaria deserticola* Trab. = ***Entosthodon commutatus*** Durieu & Mont.
- Funaria duriaei* (Mont.) Broth. = ***Entosthodon duriaei*** Mont.
- Funaria duriaei* Schimp. nom. inval. = ***Entosthodon schimperi*** Brugués
- Funaria ericetorum* (De Not.) Dixon = ***Entosthodon obtusus*** (Hedw.) Lindb.
- Funaria fascicularis* (Hedw.) Müll. Hal. = ***Entosthodon fascicularis*** (Hedw.) Müll. Hal.

- Funaria fontanesii* Schwägr. = ***Entosthodon muhlenbergii*** (Turner) Fife
Funaria fritzei Geh. = ***Entosthodon commutatus*** Durieu & Mont.
Funaria hibernica Hook. = ***Entosthodon muhlenbergii*** (Turner) Fife
Funaria hungarica Boros = ***Entosthodon hungaricus*** (Boros) Loeske
Funaria hygrometrica var. *ahaggarensis* Thér. & Trab. = ***Funaria hygrometrica*** Hedw.
Funaria hygrometrica var. *brevipes* Jelenc *nom. nud.* [153]
Funaria hygrometrica var. *calvescens* (Schwägr.) Mont. = ***Funaria hygrometrica*** Hedw.
Funaria hygrometrica var. *dentata* Corb. *in Maire & Werner nom. nud.* [153]
Funaria hygrometrica var. *intermedia* Warnst. [153]
Funaria hygrometrica var. *macrocarpa* Jelenc *nom. nud.* [153]
Funaria hygrometrica var. *microspora* Dixon [153]
Funaria hygrometrica var. *minor* Hartm. = ***Funaria hygrometrica*** Hedw.
Funaria hygrometrica var. *muralis* Huebener = ***Funaria hygrometrica*** Hedw.
Funaria hygrometrica var. *patula* Bruch & Schimp. = ***Funaria hygrometrica*** Hedw.
Funaria krausei (Besch.) Geh. & Herzog = ***Entosthodon commutatus*** Durieu & Mont.
Funaria maireana Copp. [38]
Funaria mediterranea Lindb. = ***Entosthodon muhlenbergii*** (Turner) Fife
 § *Funaria mediterranea* var. *anomala* = ***Funaria anomala*** Jur.
Funaria mediterranea var. *flaccida* (Bruch & Schimp.) Limpr. = ***Entosthodon muhlenbergii***
 (Turner) Fife
Funaria mediterranea var. *sinistra* Schiffn. [425]
Funaria mouretii Corb. = ***Entosthodon mouretii*** (Corb.) Jelenc
Funaria muhlenbergii Turner = ***Entosthodon muhlenbergii*** (Turner) Fife
Funaria muhlenbergii var. *flaccida* Bruch & Schimp. = ***Entosthodon muhlenbergii*** (Turner)
 Fife
Funaria mustaphae (Trab.) Broth. = ***Entosthodon duriaei*** Mont.
Funaria neglecta De Not. *nom. inval. in synon.* = ***Entosthodon muhlenbergii*** (Turner) Fife
Funaria nilotica (Schimp. *ex* Müll. Hal.) Broth. = ***Entosthodon niloticus*** Schimp.
Funaria nubica Müll. Hal. [37]
Funaria obtusa (Hedw.) Lindb. = ***Entosthodon obtusus*** (Hedw.) Lindb.
Funaria pallescens (Jur.) Lindb. = ***Entosthodon duriaei*** Mont.
Funaria pulchella H. Philib. = ***Entosthodon pulchellus*** (H. Philib.) Brugués
Funaria pustulosa Zodda = ***Entosthodon convexus*** (Spruce) Brugués
Funaria saharae Trab. = ***Entosthodon commutatus*** Durieu & Mont.
Funaria serrata Brid. = ***Entosthodon serratus*** (Brid.) Fife EXCLUDED FROM THE
 AREA [23]
Funaria sickenbergeri Müll. Hal. [37]
Funaria subpallescens (Laz.) Smirnova = ***Entosthodon angustifolius*** Jur. & Milde
Funaria templetonii Sm. = ***Entosthodon attenuatus*** (Dicks.) Bryhn

G

- Geheebia cataractarum* Schimp. *nom. illeg.* = ***Didymodon giganteus*** (Funck) Jur.
Geheebia gigantea (Funck) Boulay = ***Didymodon giganteus*** (Funck) Jur.
Georgia browniana (Dicks.) Müll. Hal. = ***Tetradontium brownianum*** (Dicks.) Schwägr.
Georgia brownii Lindb. *nom. illeg. incl. spec. prior.* = ***Tetradontium brownianum*** (Dicks.)
 Schwägr.
Georgia brownii var. *repanda* (Funck) Lindb. = ***Tetradontium repandum*** (Funck) Schwägr.
Georgia mnemosynum Ehrh. *ex* Müll. Hal. = ***Tetraphis pellucida*** Hedw.
Georgia pellucida (Hedw.) Rabenh. = ***Tetraphis pellucida*** Hedw.
Georgia repanda (Funck) Müll. Hal. = ***Tetradontium repandum*** (Funck) Schwägr.
Glyphocarpus webbii Mont. = ***Anacolia webbii*** (Mont.) Schimp.
Glyphomitrium azoricum Cardot = ***Ptychomitrium polyphyllum*** (Dicks. *ex* Sw.) Bruch &
 Schimp.
Glyphomitrium nigricans Mitt. *nom. illeg. incl. sp. prior.* = ***Ptychomitrium nigrescens***
 (Kunze) Wijk & Margad.

- Glyphomitrium nigricans* var. *pulvinare* (Mitt.) Cardot = *Ptychomitrium nigrescens* (Kunze) Wijk & Margad.
- Glyphomitrium polyphyllum* (Sw.) Mitt. = *Ptychomitrium polyphyllum* (Sw.) Bruch & Schimp.
- Glyphomitrium pulvinare* Mitt. = *Ptychomitrium nigrescens* (Kunze) Wijk & Margad.
- § *Glyphomitrium strictum* = *Campylostelium strictum* Solms
- Gollania angustifolia* Dixon & Luisier = *Andoa berthelotiana* (Mont.) Ochyra
- Gollania berthelotiana* (Mont.) Broth. = *Andoa berthelotiana* (Mont.) Ochyra
- Gradsteinia torrenticola* Ochyra = *Rhynchostegium riparioides* (Hedw.) Cardot [80]
- Grimmia acicularis* (Hedw.) Müll. Hal. = *Racomitrium aciculare* (Hedw.) Brid.
- Grimmia affinis* Hornsch. = *Grimmia longirostris* Hook.
- Grimmia africana* (Hedw.) Arn. = *Grimmia pulvinata* (Hedw.) Sm.
- Grimmia agassizii* (Sull. & Lesq.) A. Jaeger = *Schistidium agassizii* Sull. & Lesq.
- Grimmia alpestris* Schleich. nom. nud. = *Grimmia alpestris* (F. Weber & D. Mohr) Schleich.
- Grimmia alpestris* var. *mutica* (Brid.) De Not. = *Grimmia caespiticia* (Brid.) Jur.
- Grimmia alpestris* var. *sessitana* (De Not.) I. Hagen = *Grimmia reflexidens* Müll. Hal. [404]
- Grimmia alpestris* var. *ungeri* (Jur.) Husn. = *Grimmia ungeri* Jur.
- Grimmia alpicola* Sw. ex Hedw. nom. rejic. = *Schistidium agassizii* Sull. & Lesq.
- Grimmia alpicola* auct. non Hedw. = *Schistidium rivulare* (Brid.) Podp.
- Grimmia alpicola* var. *dupretii* (Thér.) H.A. Crum = *Schistidium dupretii* (Thér.) W.A. Weber
- Grimmia alpicola* var. *latifolia* (J.E. Zetterst.) Möller = *Schistidium rivulare* (Brid.) Podp.
- Grimmia alpicola* var. *rivularis* (Brid.) Wahlenb. = *Schistidium rivulare* (Brid.) Podp.
- Grimmia anceps* Boulay = *Grimmia reflexidens* Müll. Hal. [404]
- Grimmia ancistrodes* Durieu & Mont. = *Grimmia lisae* De Not.
- Grimmia andreaeoides* Limpr. = *Didymodon subandreaeoides* (Kindb.) R.H. Zander
- § *Grimmia anodon* var. *longicapsula* = *Grimmia anodon* Bruch & Schimp.
- § *Grimmia anodon* var. *obtusata* = *Grimmia plagiopodia* Hedw.
- Grimmia anodon* var. *sinaïtica* Renaud & Cardot = *Grimmia anodon* Bruch & Schimp.
- Grimmia apiculata* Hornsch. = *Grimmia fuscolutea* Hook.
- Grimmia apiculata* var. *holleri* (Molendo) Husn. = *Grimmia fuscolutea* Hook.
- Grimmia apocarpa* Hedw. = *Schistidium apocarpum* (Hedw.) Bruch & Schimp.
- Grimmia apocarpa* var. *alpicola* (Sw. ex Hedw.) Röhl. nom. rejic. = *Schistidium agassizii* Sull. & Lesq.
- Grimmia apocarpa* var. *atrofusca* (Schimp.) Husn. hom. illeg. = *Schistidium atrofusum* (Schimp.) Limpr.
- Grimmia apocarpa* var. *auresiana* Besch. = *Schistidium crassipilum* H.H. Blom
- Grimmia apocarpa* subsp. *conferta* (Funck) Boulay = *Schistidium confertum* (Funck) Bruch & Schimp.
- Grimmia apocarpa* var. *dupretii* (Thér.) Sayre = *Schistidium dupretii* (Thér.) W.A. Weber
- Grimmia apocarpa* var. *gracilis* Röhl. = *Schistidium strictum* (Turner) Loeske ex Martensson
- Grimmia apocarpa* var. *gracilis* auct. = *Schistidium apocarpum* (Hedw.) Bruch & Schimp. [83]
- Grimmia apocarpa* var. *grisea* Nees & Hornsch. = *Schistidium brunnescens* (Nees & Hornsch.) H.H. Blom subsp. *griseum*
- Grimmia apocarpa* var. *helvetica* (Schkuhr) Nees & Hornsch. = *Schistidium helveticum* (Schkuhr) Deguchi
- Grimmia apocarpa* var. *linearis* Chal. ex Paris nom. inval. err. orthogr. = *Schistidium agassizii* Sull. & Lesq.
- Grimmia apocarpa* var. *pruinosa* (Wilson ex Schimp.) Husn. = *Schistidium pruinosum* (Wilson ex Schimp.) G. Roth
- # *Grimmia apocarpa* var. *pumila* Schimp. = *Schistidium apocarpum* (Hedw.) Bruch & Schimp.
- Grimmia apocarpa* var. *rivularis* (Brid.) F. Weber & D. Mohr = *Schistidium rivulare* (Brid.) Podp.

- Grimmia apocarpa* var. *robusta* Hampe = *Schistidium robustum* (Nees & Hornsch.) H.H. Blom
- # *Grimmia apocarpa* var. *striatula* Latzel = *Schistidium elegantulum* H.H. Blom subsp. ***elegantulum***
- Grimmia apocarpa* var. *taiyrensis* I.G. Borshch. & G.G. Borshch. = *Schistidium papillosum* Culm.
- Grimmia apocarpa* subsp. *vulgaris* Bertsch *nom. illeg.* = *Schistidium apocarpum* (Hedw.) Bruch & Schimp.
- Grimmia aquatica* (Brid. ex Schrad.) Müll. Hal. = *Racomitrium aquaticum* (Brid. ex Schrad.) Brid.
- Grimmia arvernica* H. Philib. = *Grimmia plagiopodia* Hedw.
- Grimmia atrofusca* Schimp. = *Schistidium atrofusum* (Schimp.) Limpr.
- Grimmia atrovirens* Sm. = *Tortula atrovirens* (Sm.) Lindb.
- Grimmia auresia* Besch. = *Grimmia pulvinata* (Hedw.) Sm.
- Grimmia austrofunalis* Müll. Hal. [41]
- Grimmia austrofunalis auct. eur. non* Müll. Hal. [41]
- Grimmia azorica* Renauld & Cardot = *Grimmia lisae* De Not. [131]
- Grimmia bifrons* De Not. = *Grimmia donniana* Sm. ex Spruce
- Grimmia britannica* A.J.E. Sm. [41]
- Grimmia brunnescens* (Limpr.) Paris = *Schistidium brunnescens* Limpr. subsp. *brunnescens*
- Grimmia calvescens* Kindb. = *Grimmia funalis* (Schwägr.) Bruch & Schimp.
- Grimmia campestris* Burch. ex Hook. = *Grimmia laevigata* (Brid.) Brid.
- Grimmia campestris* var. *elongata* (Machado-Guim.) Cout. [389]
- Grimmia canadensis* H. Winter *hom. illeg.* = *Grimmia ungeri* Jur.
- Grimmia canariensis* (H. Winter) Broth. = *Schistidium flaccidum* (De Not.) Ochyra
- Grimmia canariensis* Schimp. ex Paris *nom. nud.* = *Grimmia lisae* De Not.
- Grimmia canescens* (Hedw.) Müll. Hal. *hom. illeg.* = *Racomitrium canescens* (Hedw.) Brid.
- Grimmia commutata* Huebener *nom. illeg. incl. spec. prior.* = *Grimmia ovalis* (Hedw.) Lindb.
- # *Grimmia commutata* var. *gibba* Boulay = *Grimmia ovalis* (Hedw.) Lindb.
- Grimmia commutata* var. *maroccana* Meyl. *nom. nud.* [284]
- Grimmia commutata* f. *subepilosa* Braun-Blanq. *nom. nud.* [284]
- Grimmia compacta* Scheichl. *nom. nud.* = *Hymenoloma compactum* (Schwägr.) Ochyra
- Grimmia conferta* Funck = *Schistidium confertum* (Funck) Bruch & Schimp.
- # *Grimmia conferta* var. *incana* Wilson ex Braithw. = *Schistidium confertum* (Funck) Bruch & Schimp.
- # *Grimmia conferta* (unranked) *latifolia* De Not. = *Schistidium confertum* (Funck) Bruch & Schimp.
- Grimmia conferta* var. *pruinosa* (Wilson ex Schimp.) Braithw. = *Schistidium pruinosum* (Wilson ex Schimp.) G. Roth
- Grimmia contorta* (Wahlenb.) Arn. = *Grimmia incurva* Schwägr.
- Grimmia cossonii* Besch. = *Grimmia ovalis* (Hedw.) Lindb.
- Grimmia crassifolia* Lindb. ex Broth. = *Grimmia tergestina* Tomm. ex Bruch & Schimp. [246]
- Grimmia crassifolia* var. *cucullata* Baumgartner [246]
- Grimmia cribrosa* Hedw. = *Coscinodon cribrosus* (Hedw.) Spruce
- Grimmia crinita* f. *brevis* (Boulay) Podp. [195]
- Grimmia crinita* var. *brevis* Boulay = *Grimmia crinita* f. *brevis* (Boulay) Podp. [195]
- Grimmia crinita* var. *capillata* (De Not.) De Not. = *Grimmia capillata* De Not.
- Grimmia crinita* f. *compacta* Besch. *nom. nud.* [195]
- Grimmia crinita* var. *elongata* Bruch & Schimp. [353]
- # *Grimmia crinita* var. *libani* Bizot = *Grimmia crinita* Brid.
- Grimmia cucullata* D.M. Hend. = *Grimmia tergestina* Tomm. ex Bruch & Schimp.
- Grimmia curvata* (Brid.) De Sloover = *Grimmia ramondii* (Lam. & DC.) Margad.
- Grimmia curvula* Bruch & Schimp. *nom. illeg. incl. spec. prior.* = *Grimmia arenaria* Hampe
- Grimmia cylindrica* Nees & Hornsch. = *Grimmia longirostris* Hook.

- *Grimmia decipiens* f. *mutica* Pierrot = *Grimmia decipiens* (Schultz) Lindb.
Grimmia decipiens var. *robusta* Braithw. [41]
Grimmia donii Sm. *nom. illeg. incl. spec. prior.* = *Grimmia donniana* Sm. ex Spruce
Grimmia donniana subsp. *arenaria* (Hampe) Dix. = *Grimmia arenaria* Hampe
Grimmia donniana var. *arenaria* (Hampe) Loeske = *Grimmia arenaria* Hampe
Grimmia donniana var. *curvula* Spruce = *Grimmia arenaria* Hampe
Grimmia donniana var. *elongata* (Nees & Hornsch.) Wilson = *Grimmia donniana* Sm.
Grimmia donniana var. *sudetica* Huebener = *Grimmia donniana* Sm.
Grimmia dornajii Höhn. = *Grimmia anodon* Bruch & Schimp.
Grimmia dupretii Thér. = *Schistidium dupretii* (Thér.) W.A. Weber
Grimmia elatior var. *pseudofunalis* Limpr. = *Grimmia elatior* Bruch ex Bals.-Criv. & De Not.
§ *Grimmia eutrichophylla* = *Grimmia trichophylla* Grev.
Grimmia flaccida (De Not.) Lindb. = *Schistidium flaccidum* (De Not.) Ochyra
Grimmia fragilis Schimp. *hom. illeg.* = *Grimmia montana* Bruch & Schimp.
Grimmia funalis var. *cernua* Meyl. *nom. nud.* = *Grimmia funalis* (Schwägr.) Bruch & Schimp.
Grimmia funalis var. *epilifera* (J.E. Zetterst.) Broth. & Saelán = *Grimmia funalis* (Schwägr.) Bruch & Schimp.
Grimmia funalis f. *longipila* Boulay = *Grimmia funalis* (Schwägr.) Bruch & Schimp.
Grimmia funalis var. *robusta* De Not. = *Grimmia elatior* Bruch ex Bals.-Criv. & De Not.
Grimmia geniculata Schwägr. = *Campylostelium saxicola* (F. Weber & D. Mohr) Bruch & Schimp.
Grimmia gibbosa S. Agnew = *Campylostelium pitardii* (Corb.) E. Maier
Grimmia gigantea (Funck) Schimp. = *Didymodon giganteus* (Funck) Jur.
Grimmia glyphomitrioides Bals.-Criv. & De Not. = *Ptychomitrium incurvum* (Schwägr.) Spruce
Grimmia gracilis Schleich. *ex Schwägr. hom. illeg.* = *Schistidium apocarpum* (Hedw.) Bruch & Schimp.
Grimmia gracilis var. *hyperborea* Arnell = *Schistidium papillosum* Culm.
Grimmia hartmanii subsp. *anomala* (Hampe ex Schimp.) Loeske = *Grimmia anomala* Hampe ex Schimp.
Grimmia hartmanii var. *anomala* (Hampe ex Schimp) Mönk. = *Grimmia anomala* Hampe ex Schimp.
Grimmia hartmanii subsp. *bullata* Luisier = *Grimmia hartmannii* Schimp.
Grimmia hartmanii subsp. *montenegrina* (Beck & Szyszyl.) Giacom. = *Grimmia hartmannii* Schimp.
Grimmia hartmanii var. *montenegrina* Beck & Szyszyl. = *Grimmia hartmannii* Schimp.
Grimmia hartmanii subsp. *retracta* (Stirt.) Dixon = *Grimmia lisae* De Not.
Grimmia heterosticha (Hedw.) Müll. Hal. = *Racomitrium heterostichum* (Hedw.) Brid.
Grimmia hoffmannii Müll. Hal. = *Grimmia anodon* Bruch & Schimp.
Grimmia holleri Molendo = *Grimmia fuscolutea* Hook.
Grimmia homodictyon Dixon = *Schistidium robustum* (Nees & Honsch.) H.H. Blom
Grimmia inclinata (Hedw.) Sm. = *Distichium inclinatum* (Hedw.) Bruch & Schimp.
Grimmia inconspicua Bertol. = *Fabronia pusilla* Raddi
Grimmia incurva f. *brevifolia* (Chal.) Vilh. *nom. inval.* = *Grimmia incurva* Schwägr.
Grimmia incurva var. *rhaetica* J.J. Amann = *Grimmia elongata* Kaulf.
Grimmia incurva var. *tatrensis* (Chal.) Herzog = *Grimmia incurva* Schwägr.
Grimmia jacquini Garov. = *Grimmia caespiticia* (Brid.) Jur.
Grimmia laevigata var. *elongata* (Machado-Guim.) Machado-Guim. [389]
Grimmia lamellosa (Müll.Hal.) A. Jaeger = *Grimmia reflexidens* Müll. Hal.
Grimmia lanceolata (Hedw.) F. Weber & D. Mohr = *Tortula lindbergii* Broth.
Grimmia lanuginosa (Hedw.) Müll. Hal. = *Racomitrium lanuginosum* (Hedw.) Brid.
Grimmia leucophaea Grev. = *Grimmia laevigata* (Brid.) Brid.
Grimmia leucophaea var. *elongata* Machado-Guim. [389]
Grimmia limprichtii Kern = *Grimmia anodon* Bruch & Schimp. [415]

- Grimmia lisae* subsp. *sardoa* (De Not ex Müll. Hal.) Kindb. = *Grimmia lisae* De Not.
 § *Grimmia lisae* var. *sardoa* = *Grimmia lisae* De Not.
Grimmia mairei Cardot & Copp. = *Grimmia capillata* De Not.
Grimmia maritima Sm. ex R. Scott = *Schistidium maritimum* (Sm. ex R. Scott) Bruch & Schimp.
Grimmia mesopotamica Schiffn. = *Grimmia capillata* De Not.
Grimmia meteorae C.C. Towns. = *Grimmia nutans* Bruch
Grimmia microcarpa (Hedw.) Müll. Hal. = *Racomitrium microcarpon* (Hedw.) Brid.
Grimmia mixta Herzog = *Grimmia ungeri* Jur.
Grimmia mollis var. *aquatica* Schimp. = *Grimmia mollis* (Bruch & Schimp.) Loeske
Grimmia montana var. *epilosa* Grav. ex Delogne = *Grimmia elongata* Kaulf.
Grimmia montana var. *longifolia* Cardot = *Grimmia montana* Bruch & Schimp.
 § *Grimmia muehlenbeckii* var. *lisae* = *Grimmia lisae* De Not.
Grimmia nigricans Lam. & DC. = *Grimmia ovalis* (Hedw.) Lindb.
Grimmia obliqua Hornsch. = *Grimmia longirostris* Hook.
Grimmia obtusa Schwägr. *hom. illeg.* = *Grimmia donniana* Sm. ex Spruce
Grimmia obtusa Brid. = *Grimmia plagiopodia* Hedw.
Grimmia obtusifolia C.H. Gao & T. Cao = *Grimmia tergestina* Tomm. ex Bruch & Schimp.
Grimmia orbicularis var. *bescherellei* Corb. = *Grimmia orbicularis* Bruch ex Wilson
Grimmia orbicularis var. *longipila* Husn. [195]
Grimmia orbicularis var. *persica* Schiffn. = *Grimmia orbicularis* Bruch ex Wilson
Grimmia ovalis var. *gibba* Boulay = *Grimmia ovalis* (Hedw.) Lindb.
Grimmia ovata F. Weber & D. Mohr = *Grimmia ovalis* (Hedw.) Lindb.
Grimmia ovata var. *affinis* (Hornsch.) Bruch & Schimp. *nom. illeg. incl. var. prior.* =
Grimmia longirostris Hook.
Grimmia ovata var. *cylindrica* (Nees & Hornsch.) Huebener = *Grimmia longirostris* Hook.
Grimmia ovata var. *obliqua* (Hornsch.) Huebener = *Grimmia longirostris* Hook.
Grimmia patens (Dicks. ex Hedw.) Bruch & Schimp. *nom. illeg.* = *Grimmia ramondii* (Lam. & DC.) Margad.
Grimmia patens Hornsch. = *Grimmia longirostris* Hook.
Grimmia pilosissima Herzog = *Grimmia montana* Bruch & Schimp. [417]
Grimmia pitardii Corb. = *Campylostelium pitardii* (Corb.) E. Maier
 # *Grimmia plagiopodia* var. *arvernica* (H. Philib.) Boulay = *Grimmia plagiopodia* Hedw.
Grimmia poecilostoma Cardot & Sebille ex Limpr. *nom. inval.* = *Grimmia crinitoleucophaea* Cardot [416]
Grimmia procera Bals.-Criv. & De Not. = *Racomitrium sudeticum* (Funck) Bruch & Schimp.
Grimmia pruinosa Wilson ex Schimp. = *Schistidium pruinatum* (Wilson ex Schimp.) G. Roth
Grimmia pulvinata var. *africana* (Hedw.) Wilson = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pulvinata var. *bescherellei* (Corb.) Wijk & Margad. = *Grimmia orbicularis* Bruch ex Wilson
Grimmia pulvinata var. *brevieri* Hérrib. = *Grimmia pulvinata* (Hedw.) Sm.
 # *Grimmia pulvinata* var. *longicapsula* Besch. *nom. nud.* = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pulvinata var. *longipila* Schimp. [195]
Grimmia pulvinata f. *minor* Boulay = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pulvinata var. *minor* (Boulay) Dalla Torre & Sarnth. = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pulvinata var. *obtusa* (Brid.) Huebener = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pulvinata var. *robusta* (Boulay) Dalla Torre & Sarnth. = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pulvinata var. *viridis* Schimp. = *Grimmia pulvinata* (Hedw.) Sm.
Grimmia pyrenaica Kern = *Grimmia caespiticia* (Brid.) Jur.
Grimmia recurvata Hedw. = *Seligeria recurvata* (Hedw.) Bruch & Schimp.
Grimmia rivularis Brid. = *Schistidium rivulare* (Brid.) Podp.
Grimmia robusta Nees & Hornsch. = *Schistidium robustum* (Nees & Hornsch.) H.H. Blom

- Grimmia robusta* Fergusson ex Braithw. *nom. illeg.* [41]
Grimmia rubella A.W. Roth *nom. inval.* = *Bryoerythrophyllum recurvirostrum* (Hedw.) P.C. Chen
Grimmia sardoia Müll. Hal. = *Grimmia lisae* De Not.
Grimmia sardoia var. *gracilis* Warnst. & M. Fleisch. = *Grimmia trichophylla* Grev.
Grimmia sardoia var. *robusta* M. Fleisch. & Warnst. = *Grimmia lisae* De Not.
Grimmia schultzei (Brid.) Huebener *nom. illeg. incl. spec. prior.* = *Grimmia decipiens* (Schultz) Lindb.
Grimmia sessitana De Not. = *Grimmia reflexidens* Müll. Hal. [404]
Grimmia sessitana var. *subsulcata* (Limpr.) Breidl. *nom. illeg. incl. var. prior.* = *Grimmia reflexidens* Müll. Hal. [404]
Grimmia sinaica Bruch & Schimp. = *Grimmia orbicularis* Bruch ex Wilson
Grimmia sinaica auct. = *Grimmia crinita* Brid.
Grimmia singarensis Schiffn. = *Schistidium helveticum* (Schkuhr) Deguchi
Grimmia sphaerica Schimp. *nom. illeg. incl. spec. prior.* = *Grimmia anodon* Bruch & Schimp.
Grimmia spiralis Hook. & Taylor = *Grimmia funalis* (Schwägr.) Bruch & Schimp.
Grimmia stirtonii Schimp. = *Grimmia trichophylla* Grev.
Grimmia stricta Turner = *Schistidium strictum* (Turner) Loeske ex Martensson
Grimmia subcaespiticia Schiffn. = *Grimmia reflexidens* Müll. Hal. [404]
Grimmia subsquarrosa Wilson = *Grimmia trichophylla* Grev.
§ *Grimmia subsquarrosa* f. *viridis* = *Grimmia lisae* De Not.
Grimmia subsulcata Limpr. = *Grimmia reflexidens* Müll. Hal. [404]
Grimmia sudetica Spreng ex Schkuhr *nom. illeg. incl. spec. prior.* = *Grimmia donniana* Sm. ex Spruce
Grimmia sulcata Saut. = *Grimmia caespiticia* (Brid.) Jur.
Grimmia sulcata var. *subimberbis* (Lindb.) G. Roth = *Grimmia caespiticia* (Brid.) Jur.
Grimmia tarentasiensis (Sebille) Culm. = *Schistidium apocarpum* (Hedw.) Bruch & Schimp
Grimmia tenerrima Renaud & Cardot = *Grimmia reflexidens* Müll. Hal. [404]
Grimmia tergestina var. *poecilostoma* (Cardot & Sebille ex Limpr. *nom. inval.*) Loeske = *Grimmia crinitoleucophaea* Card. [416]
Grimmia tergestina var. *tergestinoides* (Culm.) J.J. Amann = *Grimmia tergestina* Tømm. ex Bruch & Schimp.
Grimmia torta Nees & Hornsch. = *Grimmia torquata* Drumm.
Grimmia trichodon Brid. = *Schistidium trichodon* (Brid.) Poelt
Grimmia trichophylla subsp. *azorica* (Renaud & Cardot) Luisier = *Grimmia lisae* De Not.
§ *Grimmia trichophylla* var. *azorica* = *Grimmia lisae* De Not.
Grimmia trichophylla var. *brachycarpa* De Not. = *Grimmia lisae* De Not.
Grimmia trichophylla var. *edinensis* (Braithw.) Dixon = *Grimmia trichophylla* Grev.
Grimmia trichophylla subsp. *eutrichophylla* Loeske *nom. illeg.* = *Grimmia trichophylla* Grev
Grimmia trichophylla subsp. *lisae* (De Not.) Boulay = *Grimmia lisae* De Not.
Grimmia trichophylla var. *lusitanica* Schimp. = *Grimmia lisae* De Not.
Grimmia trichophylla subsp. *meridionalis* (Müll. Hal.) Loeske *nom. illeg. incl. spec. prior.* = *Grimmia meridionalis* (Müll. Hal.) E. Maier [41]
Grimmia trichophylla var. *meridionalis* Müll. Hal. = *Grimmia meridionalis* (Müll. Hal.) E. Maier [41]
Grimmia trichophylla subsp. *muehlenbeckii* (Schimp.) Boulay = *Grimmia muehlenbeckii* Schimp.
Grimmia trichophylla var. *muehlenbeckii* (Schimp.) Husn. = *Grimmia muehlenbeckii* Schimp.
Grimmia trichophylla f. *propagulifera* H. Winter *nom. illeg.* = *Grimmia lisae* De Not.
Grimmia trichophylla var. *robusta* (Braithw.) A.J.E. Sm. [41]
Grimmia trichophylla var. *sardoia* (Müll. Hal.) Boulay = *Grimmia lisae* De Not.
Grimmia trichophylla var. *septentrionalis* Schimp. = *Grimmia muehlenbeckii* Schimp.

- Grimmia trichophylla* var. *stirtonii* (Schimp.) H. Möller = ***Grimmia trichophylla*** Grev.
Grimmia trichophylla var. *subincurva* H. Winter = ***Grimmia trichophylla*** Grev.
Grimmia trichophylla f. *submutica* (Boulay) Corb. [246]
Grimmia trichophylla var. *submutica* Boulay = *Grimmia trichophylla* f. *submutica* (Boulay) Corb. [246]
Grimmia trichophylla var. *subsquarrosa* (Wilson) A.J.E. Sm. = ***Grimmia trichophylla*** Grev.
Grimmia trichophylla f. *tenella* Besch. = ***Grimmia trichophylla*** Grev.
Grimmia trichophylla var. *tenuis* (Wahlenb.) Wijk & Margad. = ***Grimmia muehlenbeckii*** Schimp.
Grimmia uncinata Kaulf. = ***Grimmia incurva*** Schwägr.
Grimmia verticillatula Thér. & Trab. = ***Grimmia nutans*** Bruch
Guembelia alpestris (F. Weber & D. Mohr) Hampe = ***Grimmia alpestris*** (F. Weber & D. Mohr) Schleich.
Guembelia orbicularis (Bruch) Hampe = ***Grimmia orbicularis*** Bruch
Guembelia ovalis (Hedw.) Müll. Hal. = ***Grimmia ovalis*** (Hedw.) Lindb.
Guembelia riparia (Host ex Brid.) Müll. Hal. = ***Cinclidotus riparius*** (Host ex Brid.) Arn.
Gymnocybe palustris (Hedw.) Fries = ***Aulacomnium palustre*** (Hedw.) Schwägr.
Gymnostomiella laevis J. Froehl. *nom. nud.* [209]
Gymnostomum acuminatum Schleich. *nom. nud.* = ***Physcomitrium euryustum*** Sendtn.
Gymnostomum aeruginosum var. *ramosissimum* Schimp. = ***Gymnostomum aeruginosum*** Sm.
Gymnostomum aeruginosum f. *stelligerum* Laz. [395]
Gymnostomum aestivum Hedw. = ***Anoetangium aestivum*** (Hedw.) Mitt.
Gymnostomum aquaticum (Hedw.) F. Weber & D. Mohr = ***Cinclidotus aquaticus*** (Hedw.) Bruch & Schimp.
Gymnostomum bicolor Bruch & Schimp. = ***Barbula bicolor*** (Bruch & Schimp.) Lindb.
Gymnostomum caespiticium F. Weber & D. Mohr = ***Blindia caespiticia*** (F. Weber & D. Mohr) Müll. Hal.
Gymnostomum calcareum var. *atlanticum* Sérgio [133]
Gymnostomum calcareum var. *brevifolium* Schimp. = ***Gymnostomum viridulum*** Brid.
Gymnostomum calcareum var. *gracile* Breidl. ex G. Roth = ***Hymenostylium gracillimum*** (Nees & Hornsch.) Köckinger & J. Kučera [403]
Gymnostomum calcareum var. *gracillimum* (Nees & Hornsch.) Bruch & Schimp. = ***Hymenostylium gracillimum*** (Nees & Hornsch.) Köckinger & J. Kučera [403]
Gymnostomum calcareum var. *intermedium* Schimp. = ***Gymnostomum calcareum*** Nees & Hornsch.
Gymnostomum calcareum f. *intermedium* (Schimp.) Podp. = ***Gymnostomum calcareum*** Nees & Hornsch.
Gymnostomum calcareum var. *lanceolatum* (M.J. Cano, Ros & J. Guerra) Sérgio = ***Gymnostomum lanceolatum*** M.J. Cano, Ros & J. Guerra
Gymnostomum calcareum f. *longifolium* Meyl. = ***Gymnostomum calcareum*** Nees & Hornsch.
Gymnostomum calcareum var. *muticum* Boulay = ***Gymnostomum calcareum*** Nees & Hornsch.
▶ *Gymnostomum calcareum* var. *obtusatum* Boulay = ***Gymnostomum calcareum*** Nees & Hornsch.
Gymnostomum calcareum var. *obtusum* Boulay [280]
Gymnostomum calcareum var. *tenellum* Bruch & Schimp. = ***Gymnostomum calcareum*** Nees & Hornsch.
Gymnostomum calcareum var. *typicum* Boulay *nom. illeg.* = ***Gymnostomum calcareum*** Nees & Hornsch.
Gymnostomum calcareum var. *viridulum* (Brid.) Bruch & Schimp. = ***Gymnostomum viridulum*** Brid.
Gymnostomum ciliatum (Hedw.) Lag., D. García & Clemente = ***Hedwigia ciliata*** (Hedw.) P. Beauv. var. ***ciliata***

- Gymnostomum compactum* Schleich. *nom. illeg. incl. spec. prior.* = *Anoectangium aestivum* (Hedw.) Mitt.
- Gymnostomum conicum* Schleich. *ex Schwägr.* = *Microbryum davallianum* (Sm.) R.H. Zander
- Gymnostomum crispatum* Nees & Hornsch. = *Weissia controversa* var. *crispata* (Nees & Hornsch.) Nyholm
- Gymnostomum curvirostre* Hedw. *nom. illeg. incl. spec. prior.* = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* Hedw. *nom. illeg. incl. spec. prior.* = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* var. *cataractarum* Schimp. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* var. *microcarpon* (Nees & Hornsch.) Hampe = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* var. *pallidisetum* (Nees & Hornsch.) Lesq. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* var. *pomiforme* (Nees & Hornsch.) Hampe = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* var. *scabrum* (Lindb.) Par. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvirostrum* var. *typicum* Boulay *nom. illeg.* = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum curvisetum* Schwägr. = *Funariella curviseta* (Schwägr.) Sérgio
- Gymnostomum ericetorum* De Not. = *Entosthodon obtusus* (Hedw.) Lindb.
- Gymnostomum fasciculare* Hedw. = *Entosthodon fascicularis* (Hedw.) Müll. Hal.
- Gymnostomum gracillimum* Nees & Hornsch. = *Hymenostylium gracillimum* (Nees & Hornsch.) Kőckinger & J. Kučera [403]
- Gymnostomum hedwigia* Schrank *ex Funck* = *Hedwigia ciliata* (Hedw.) P. Beauv.
- Gymnostomum heimii* Hedw. = *Henediella heimii* (Hedw.) R.H. Zander
- Gymnostomum imberbe* Sm. = *Braunia imberbis* (Sm.) N. Dalton & D.G. Long
- Gymnostomum intermedium* Turner = *Tortula caucasica* Broth.
- Gymnostomum involutum* G. Roth *nom. illeg.* = *Hyophila involuta* (Hook.) A. Jaeger
- Gymnostomum lapponicum* Hedw. = *Amphidium lapponicum* (Hedw.) Schimp.
- Gymnostomum luisieri* (Sérgio) Sérgio *ex Crundw.* = *Gymnostomum viridulum* Brid.
- # *Gymnostomum microcarpon* Nees & Hornsch. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum microstomum* Hedw. = *Weissia brachycarpa* (Nees & Hornsch.) Jur.
- Gymnostomum microstomum* var. *obliquum* Nees & Hornsch. = *Weissia brachycarpa* (Nees & Hornsch.) M.O. Hill
- Gymnostomum minutulum* Schwägr. = *Microbryum davallianum* (Sm.) R.H. Zander
- Gymnostomum murale* (Spruce) Schimp. = *Weissia wimmeriana* (Sendtn.) Bruch & Schimp.
- Gymnostomum niloticum* Delile = *Physcomitrium niloticum* (Delile) Müll. Hal.
- Gymnostomum ovatum* Hedw. = *Pterygoneurum ovatum* (Hedw.) Dixon
- Gymnostomum pallidisetum* Nees & Hornsch. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum pomiforme* Nees & Hornsch. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum pulvinatum* Hedw. = *Grimmia anodon* Bruch & Schimp.
- Gymnostomum pyriforme* Hedw. = *Physcomitrium pyriforme* (Hedw.) Hampe
- Gymnostomum recurvirostrum* Hedw. *nom. illeg.* = *Hymenostylium recurvirostrum* (Hedw.) Dixon
- Gymnostomum riparium* Host *ex* Brid. = *Cinclidotus riparius* (Host *ex* Brid.) Arn.
- Gymnostomum rostellatum* (Brid.) Schimp. = *Weissia rostellata* (Brid.) Lindb.
- Gymnostomum rupestre* Scheich. *ex* Schwägr. = *Gymnostomum aeruginosum* Sm.

- Gymnostomum rupestre* var. *compactum* Bruch & Schimp. = *Gymnostomum aeruginosum* Sm.
Gymnostomum rupestre var. *latifolium* J.E. Zetterst. = *Hymenostylium recurvirostrum* (Hedw.) Dixon
Gymnostomum rupestre var. *ramosissimum* Bruch & Schimp. = *Gymnostomum aeruginosum* Sm.
Gymnostomum rupestre var. *stelligerum* (Dicks. ex With.) Hampe [395]
Gymnostomum rutilans Hedw. = *Weissia rutilans* (Hedw.) Lindb.
Gymnostomum sphaericum C.F. Ludw. ex Schkuhr = *Physcomitrium sphaericum* (C.F. Ludw. ex Schkuhr) Brid.
Gymnostomum squarrosus (Nees & Hornsch.) Garov. = *Weissia squarrosa* (Nees & Hornsch.) Müll. Hal.
Gymnostomum stelligerum (Dicks. ex With.) Brid. ex F. Weber & D. Mohr [395]
Gymnostomum subsessile Brid. = *Pterygoneurum subsessile* (Brid.) Jur.
Gymnostomum tenue Schrad. ex Hedw. = *Gyroweisia tenuis* (Schrad. ex Hedw.) Schimp.
Gymnostomum tetragonum Brid. = *Pyramidula tetragona* (Brid.) Brid.
Gymnostomum tortile Schwägr. = *Weissia condensata* (Voit) Lindb.
Gymnostomum tortile var. *subcylindricum* (Bruch & Schimp.) Schimp. = *Weissia condensata* (Voit) Lindb.
Gymnostomum trichodes F. Weber = *Brachydontium trichodes* (F. Weber) Fűrnr.
Gymnostomum truncatum (With.) Hedw. ex Schumach. = *Tortula truncata* (Hedw.) Mitt.
Gymnostomum truncatum Hedw. = *Tortula truncata* (Hedw.) Mitt.
Gymnostomum viridissimum (Dicks.) Sm. = *Zygodon viridissimus* (Dicks.) Brid.
Gymnostomum viridulum subsp. *saharae* Pócs [372]
Gymnostomum wilsonii Hook. = *Tortula wilsonii* (Hook.) R.H. Zander
Gymnostomum wimmerianum Sendt. = *Weissia wimmeriana* (Sendtn.) Bruch & Schimp.
Gyroweisia aaronis (Lorentz) Paris = *Didymodon australisae* (Hook. & Grev.) R.H. Zander
Gyroweisia acutifolia H. Philib. = *Gyroweisia tenuis* (Hedw.) Schimp.
Gyroweisia luisieri Sérgio = *Gymnostomum viridulum* Brid.
Gyroweisia mosis (Lorentz) Paris = *Gymnostomum mosis* (Lorentz) Jur. & Milde
Gyroweisia rohlfsiana (Müll. Hal.) Paris = *Gymnostomum viridulum* Brid. [218]
Gyroweisia tenuis var. *acutifolia* (H. Philib.) Jelenc = *Gyroweisia tenuis* (Hedw.) Schimp.
Gyroweisia tenuis var. *badia* Limpr. = *Gyroweisia tenuis* (Hedw.) Schimp.
Gyroweisia tenuis subsp. *reflexa* (Brid.) Kindb. = *Gyroweisia reflexa* (Brid.) Schimp
Gyroweisia tenuis var. *schisticola* G. Roth = *Gyroweisia tenuis* (Hedw.) Schimp.

H

- Habrodon notarisii* Schimp. *nom. illeg. incl. spec. prior.* = *Habrodon perpusillus* (De Not.) Lindb.
Habrodon perpusillus var. *commutata* Limpr. = *Habrodon perpusillus* (De Not.) Lindb.
Habrodon perpusillus var. *welwitschii* P. Cout. = *Habrodon perpusillus* (De Not.) Lindb.
Haplocladium microphyllum subsp. *virginianum* (Brid.) Reim. = *Haplocladium virginianum* (Brid.) Broth.
Haplocladium pulchellum (De Not.) Broth. = *Haplocladium angustifolium* (Hampe & Müll. Hal.) Broth.
Haplodontium notarisii (Mitt.) Broth. = *Brachymenium notarisii* (Mitt.) A.J. Shaw
Haplohymenium triste (Ces.) Kindb. = *Anomodon tristis* (Ces.) Sull. & Lesq.
Hedwigia aestiva (Hedw.) Hook. = *Anoetangium aestivum* (Hedw.) Mitt.
Hedwigia albicans Lindb. *nom. illeg. incl. spec. prior.* = *Hedwigia ciliata* (Hedw.) P. Beauv. var. *ciliata*
Hedwigia albicans var. *leucophaea* (Bruch & Schimp.) Limpr. = *Hedwigia ciliata* var. *leucophaea* Bruch & Schimp.
Hedwigia albicans var. *secunda* (Bruch & Schimp.) Limpr. = *Hedwigia ciliata* (Hedw.) P. Beauv.

- Hedwigia albicans* var. *viridis* (Bruch & Schimp.) Limpr. = ***Hedwigia ciliata*** (Hedw.) P. Beauv.
- Hedwigia aquatica* (Hedw.) Brid. = ***Cinclidotus aquaticus*** (Hedw.) Bruch & Schimp.
- Hedwigia ciliata* var. *gracilis* Boulay = ***Hedwigia ciliata*** (Hedw.) P. Beauv.
- Hedwigia ciliata* var. *incana* Sw. ex Podp. nom. inval. in synonym. err. pro *Anictangium ciliatum* var. *incanum* Sw. = ***Hedwigia ciliata*** var. ***leucophaea*** Bruch & Schimp.
- Hedwigia ciliata* var. *secunda* Bruch & Schimp. = ***Hedwigia ciliata*** (Hedw.) P. Beauv.
- Hedwigia ciliata* var. *viridis* Bruch & Schimp. = ***Hedwigia ciliata*** (Hedw.) P. Beauv.
- Hedwigia imberbis* (Sm.) Spruce = ***Braunia imberbis*** (Sm.) N. Dalton & D.G. Long
- Hedwigia integrifolia* P. Beauv. = ***Braunia imberbis*** (Sm.) N. Dalton & D.G. Long [402]
- Hedwigia schmidtii* Hook. = ***Leucodon canariensis*** (Brid.) Schwägr.
- Hedwigia sciuroides* (Bals.-Criv. & De Not.) De Not. = ***Braunia alopecura*** (Brid.) Limpr.
- Hedwigidium imberbe* (Sm.) Bruch & Schimp. = ***Braunia imberbis*** (Sm.) N. Dalton & D.G. Long
- Hedwigidium integrifolium* (P. Beauv.) Dixon = ***Braunia imberbis*** (Sm.) N. Dalton & D.G. Long [402]
- Helicodontium italicum* (Schimp.) M. Fleisch. = ***Helicodontium capillare*** (Hedw.) A. Jaeger
- Helicodontium pulvinatum* (Wahlenb.) Lindb. = ***Myrinia pulvinata*** (Wahlenb.) Schimp.
- Heterocladium dimorphum* var. *compactum* Molendo ex Pfeff. = ***Heterocladium dimorphum*** (Brid.) Schimp.
- Heterocladium heteropterum* var. *cavernarum* Molendo = ***Heterocladium flaccidum*** (Schimp.) A.J.E. Sm.
- Heterocladium heteropterum* var. *fallax* Milde = ***Heterocladium flaccidum*** (Schimp.) A.J.E. Sm.
- Heterocladium heteropterum* var. *flaccidum* Schimp. = ***Heterocladium flaccidum*** (Schimp.) A.J.E. Sm.
- Heterocladium heteropterum* var. *macounii* (Best) P. Allorge = ***Heterocladium heteropterum*** (Brid.) Schimp.
- Heterocladium heteropterum* subsp. *wulfsbergii* (I. Hagen) C.E.O. Jensen & H. Perss. = ***Heterocladium wulfsbergii*** I. Hagen
- Heterocladium squarrosulum* Lindb. = ***Heterocladium dimorphum*** (Brid.) Schimp.
- Heterocladium squarrosulum* var. *compactum* (Molendo ex Pfeff.) Limpr. = ***Heterocladium dimorphum*** (Brid.) Schimp.
- Heterodyction* nom. nud. = *Bryum* subgen. *Heterodictyon* Schimp.
- Heterodyctium* nom. nud. = *Bryum* subgen. *Heterodictyon* Schimp.
- § *Heterodyctium julaceum* = ***Anomobryum julaceum*** (Schrad. ex P. Gaertn., B. Mey. & Scherb.) Schimp.
- § *Heterodyctium leptostomoides* = ***Anomobryum concinnatum*** (Spruce) Lindb.
- § *Heterodyctium sericeum* = ***Anomobryum concinnatum*** (Spruce) Lindb.
- Heterophyllum haldanianum* (Grev.) M. Fleisch. = ***Callicladium haldanianum*** (Grev.) H.A. Crum
- Heterophyllum nemorosum* (Koch ex Brid.) Kindb. = ***Heterophyllum affine*** (Hook.) M. Fleisch.
- Holmgrenia stricta* (Lorentz) Grout = ***Orthothecium strictum*** Lorentz
- Homalia besseri* Lobarz. = ***Alleniella besseri*** (Lobarz.) S. Olsson, Enroth & D. Quandt
- Homalia complanata* (Hedw.) De Not. = ***Alleniella complanata*** (Hedw.) S. Olsson, Enroth & D. Quandt
- Homalia pourretiana* Roumeg. = ***Alleniella besseri*** (Lobarz.) S. Olsson, Enroth & D. Quandt
- Homalia sendneriana* (Schimp.) Schimp. = ***Alleniella besseri*** (Lobarz.) S. Olsson, Enroth & D. Quandt
- Homalia subrecta* (Mitt.) A. Jaeger = ***Homalia lusitanica*** Schimp.
- Homalia trichomanoides* var. *parvifolia* Roum. nom. inval. in synonym. = ***Alleniella besseri*** (Lobarz.) S. Olsson, Enroth & D. Quandt
- Homalia woronowii* Thér. = ***Homalia webbiana*** (Mont.) Schimp.
- Homalothecium algerianum* Besch. = ***Homalothecium philippeanum*** (Spruce) Schimp.

- Homalothecium barbelloides* Dixon & Cardot = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium fallax (H. Philib. ex Schimp.) H. Philib. = ***Homalothecium lutescens*** var. ***fallax*** H. Philib. ex Schimp.
Homalothecium geheebii (Milde) Wigh = ***Brachythecium geheebii*** Milde
Homalothecium mandonii (Mitt.) Geh. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium nitens (Hedw.) H. Rob. = ***Tomentypnum nitens*** (Hedw.) Loeske
Homalothecium philippeanum var. *girodii* Thér. = ***Homalothecium philippeanum*** (Spruce) Schimp.
Homalothecium philippeanum var. *kabylica* Trab. ex Jelenc *nom. inval. descr. gall.* [196]
Homalothecium philippeanum var. *maroccanum* Thér. & Trab. = ***Homalothecium philippeanum*** (Spruce) Schimp.
Homalothecium philippeii (Spruce) Bruch & Schimp. ex Macch. *nom. illeg. incl. spec. prior.* = ***Homalothecium philippeanum*** (Spruce) Schimp.
Homalothecium sericeum f. *gracilis* Thér. ex Jelenc *nom. nud.* [285]
Homalothecium sericeum var. *julaceum* Meyl. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *mandonii* (Mitt.) Renault & Cardot = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *meridionale* Schimp. *nom. inval.* = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *meridionale* M. Fleisch. & Warnst. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *piliferum* G. Roth = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum f. *piliferum* (G. Roth) Podp. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *robustum* Warnst. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *strictum* Podp. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *tenellum* Lang. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *tenue* Schlieph. ex G. Roth = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium sericeum var. *tunetanum* Besch. in Pat. = ***Homalothecium sericeum*** (Hedw.) Schimp.
▶ *Homalothecium sericeum* var. *sublaeve* Geh. = ***Homalothecium sericeum*** (Hedw.) Schimp.
Homalothecium trichoides (Lindb.) Boros = ***Tomentypnum nitens*** (Hedw.) Loeske
Hookeria laetevirens Hook. & Taylor = ***Cyclodictyon laetevirens*** (Hook. & Taylor) Mitt.
Hookeria splachnoides Schleich. ex Schwägr. = ***Tayloria splachnoides*** (Schleich. ex Schwägr.) Hook.
Hookeria webbiana Mont. = ***Homalia webbiana*** (Mont.) Schimp.
Hydrogonium ehrenbergii (Lorentz) A. Jaeger = ***Barbula bolleana*** (Müll. Hal.) Broth.
Hydrogonium mediterraneum (Müll. Hal.) Renault = ***Barbula bolleana*** (Müll. Hal.) Broth.
Hydrogimmia mollis (Bruch & Schimp.) Loeske = ***Grimmia mollis*** Bruch & Schimp.
Hygroamblystegium curvicaule (Jur.) Loeske = ***Cratoneuron curvicaule*** (Jur.) G. Roth
Hygroamblystegium fallax (Brid.) Loeske = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hygroamblystegium filicinum (Hedw.) Loeske = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hygroamblystegium filicinum var. *orthophyllum* M. Fleisch. & Warnst. = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hygroamblystegium humile (P. Beauv.) Vanderp., Goffinet & Hedenäs = ***Hygroamblystegium varium*** var. ***humile*** (P. Beauv.) Vanderp. & Hedenäs
Hygroamblystegium irriguum (Hook. & Wilson) Loeske = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
Hygroamblystegium irriguum var. *spinifolium* (Schimp.) Mönk. = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
Hygroamblystegium irriguum var. *tenellum* (Schimp.) Warnst. = ***Hygroamblystegium tenax*** (Hedw.) Jenn.

- Hygroamblystegium macilentum* (Renauld & Cardot) Broth. = ***Rhynchostegiella macilenta*** (Renauld & Cardot) Cardot
- ? *Hygroamblystegium madeirense* (Mitt.) F. Koppe = ***Hygroamblystegium varium*** (Hedw.) Mönk.
- Hygroamblystegium noterophilum* (Sull. & Lesq.) Warnst. = ***Hygroamblystegium fluviatile*** (Hedw.) Loeske
- Hygroamblystegium tenax* var. *spinifolium* (Schimp.) Jenn. = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
- Hygrohypnum arcticum* Sommerf. = ***Hygrohypnum smithii*** (Sw.) Broth.
- Hygrohypnum dilatatum* (Wilson) Loeske = ***Hygrohypnum duriusculum*** (De Not.) D.W. Jamieson
- Hygrohypnum goulardii* (Schimp.) Loeske = ***Hygrohypnum cochlearifolium*** (Venturi) Broth.
- Hygrohypnum lusitanicum* (Schimp.) Corb. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Hygrohypnum luridum* f. *hamulosum* (Schimp.) C.E.O. Jensen = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum luridum* var. *julaceum* (Schimp.) Podp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum luridum* var. *laxum* (Schimp.) Loeske = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum luridum* var. *subsphaericarpum* (Schleich. ex Brid.) C.E.O. Jensen = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum luridum* var. *tenellum* (Schimp.) Podp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum lusitanicum* (Schimp.) Corb. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Hygrohypnum micans* (Mitt.) Broth. = ***Hageniella micans*** (Mitt.) B.C. Tan & Y. Jia
- Hygrohypnum molendinarium* (Lam. & DC.) Wijk & Margad. = ***Pterigynandrum filiforme*** Hedw.
- § *Hygrohypnum molle* var. *alpinum* = ***Hygrohypnum alpinum*** (Lindb.) Loeske
- Hygrohypnum molle* var. *schimperianum* (Lorentz) Loeske = ***Hygrohypnum molle*** (Hedw.) Loeske
- # *Hygrohypnum nervosissimum* Paris nom. inval. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum novae-caesariae* (Aust.) Grout = ***Hageniella micans*** (Mitt.) B.C. Tan & Y. Jia
- ? *Hygrohypnum ochraceum* Brot. nom. illeg. = ***Hygrohypnum ochraceum*** (Turner ex Wilson) Loeske
- Hygrohypnum ochraceum* var. *flaccidum* (Milde) J.J. Amann = ***Hygrohypnum ochraceum*** (Turner ex Wilson) Loeske
- Hygrohypnum ochraceum* var. *uncinatum* (Milde) Loeske = ***Hygrohypnum ochraceum*** (Turner ex Wilson) Loeske
- Hygrohypnum palustre* Loeske nom. illeg. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- # *Hygrohypnum palustre* var. *alpinum* J.J. Amann nom. illeg. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum palustre* var. *subenerve* (Schimp.) Mönk. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hygrohypnum rivulare* Broth. = ***Hygrohypnum alpestre*** (Hedw.) Loeske
- Hygrohypnum smithii* var. *goulardii* (Schimp.) Wijk & Margad. = ***Hygrohypnum cochlearifolium*** (Venturi) Broth.
- Hylocomium alaskanum* (Lesq. & James) Austin = ***Hylocomium splendens*** (Hedw.) Schimp.
- Hylocomium berthelotianum* (Mont.) Geh. = ***Andoa berthelotiana*** (Mont.) Ochyra.
- Hylocomium brevirostre* (Brid.) Schimp. = ***Loeskeobryum brevirostre*** (Brid.) M. Fleisch.
- Hylocomium calvescens* Lindb. = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.

- Hylocomium fimbriatum* (Hartm.) Schimp. = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- Hylocomium loreum* (Hedw.) Schimp. = ***Rhytidiadelphus loreus*** (Hedw.) Warnst.
- Hylocomium meridionale* (Schimp.) Kindb. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Hylocomium oakesii* (Sull.) Schimp. = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- Hylocomium parietinum* Lindb. = ***Pleurozium schreberi*** ((Willd. ex Brid.) Mitt.
- Hylocomium proliferum* (Brid.) Lindb. *nom. illeg.* = ***Hylocomium splendens*** (Hedw.) Schimp.
- Hylocomium purum* (Hedw.) De Not. = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- Hylocomium pyrenaicum* (Spruce) Lindb. = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- # *Hylocomium pyrenaicum* var. *latifolium* Meyl. = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- Hylocomium rugosum* (Ehrh. ex Hedw.) De Not. = ***Rhytidium rugosum*** (Ehrh. ex Hedw.) Kindb.
- Hylocomium schreberi* Willd. ex Brid. = ***Pleurozium schreberi*** (Willd. ex Brid.) Mitt.
- Hylocomium splendens* var. *alpinum* Schlieph. ex Limpr. = ***Hylocomium splendens*** (Hedw.) Schimp.
- Hylocomium splendens* var. *gracilius* (Boulay) Husn. = ***Hylocomium splendens*** (Hedw.) Schimp.
- Hylocomium squarrosus* (Hedw.) Schimp. = ***Rhytidiadelphus squarrosus*** (Hedw.) Warnst.
- Hylocomium squarrosus* var. *calvescens* (Kindb.) Warnst. = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
- Hylocomium squarrosus* var. *subpinnatum* (Lindb.) Pfeff. = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
- Hylocomium subpinnatum* Lindb. = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
- Hylocomium triquetrum* (Hedw.) Schimp. = ***Rhytidiadelphus triquetrus*** (Hedw.) Warnst.
- Hylocomium triquetrum* var. *alpinum* (Boulay) Payot = ***Rhytidiadelphus triquetrus*** (Hedw.) Warnst.
- # *Hylocomium triquetrum* var. *majus* Payot *nom. nud.* = ***Rhytidiadelphus triquetrus*** (Hedw.) Warnst.
- Hylocomium umbratum* (Hedw.) Schimp. = ***Hylocomiastrum umbratum*** (Hedw.) M. Fleisch.
- Hymenostomum brachycarpum* Nees & Hornsch. = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
- Hymenostomum breutelii* (Müll. Hall.) Kindb. = ***Weissia breutelii*** Müll. Hall. [108]
- Hymenostomum contortum* Kunze = ***Trichostomum brachydontium*** Bruch
- Hymenostomum crispatum* Nees & Hornsch. = ***Weissia controversa*** var. *crispata* (Nees & Hornsch.) Nyholm
- Hymenostomum meylanii* J.J. Amann = ***Weissia squarrosa*** (Nees & Hornsch.) Müll. Hal.
- Hymenostomum microstomum* (Hedw.) R. Br. ex Nees & Hornsch. = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
- Hymenostomum microstomum* var. *brachycarpum* (Nees & Hornsch.) Huebener = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
- Hymenostomum microstomum* var. *brevirostre* Bruch & Schimp. = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
- Hymenostomum microstomum* var. *elatum* Bruch & Schimp. = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
- Hymenostomum microstomum* var. *obliquum* (Nees & Hornsch.) Huebener = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
- # *Hymenostomum microstomum* var. *muelleri* (Bruch) De Not. = ***Weissia condensa*** (Voit) Lindb.
- # *Hymenostomum muelleri* Bruch = ***Weissia condensa*** (Voit) Lindb.
- Hymenostomum murale* Spruce = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
- Hymenostomum obliquum* Nees = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.

- Hymenostomum phascoides* Wilson ex Bruch & Schimp. = **Weissia rostellata** (Brid.) Lindb.
Hymenostomum rostellatum (Brid.) Schimp. = **Weissia rostellata** (Brid.) Lindb.
Hymenostomum squarrosom Nees & Hornsch. = **Weissia squarrosa** (Nees & Hornsch.) Müll. Hall.
Hymenostomum tortile (Schwägr.) Bruch & Schimp. = **Weissia condensa** (Voit) Lindb.
Hymenostomum tortile var. *crispatum* (Nees & Hornsch.) Podp. = **Weissia controversa var crispata** (Nees & Hornsch.) Nyholm
Hymenostomum tortile var. *subcylindricum* Bruch & Schimp. = **Weissia condensa** (Voit) Lindb.
Hymenostomum unguiculatum H. Philib. = **Trichostomum brachydontium** Bruch
Hymenostylium curvirostre Mitt. *nom. illeg. incl. spec. prior.* = **Hymenostylium recurvirostrum** (Hedw.) Dixon
Hymenostylium curvirostre var. *cataractarum* (Schimp.) Limpr. = **Hymenostylium recurvirostrum** (Schimp.) Podp. var. **recurvirostrum**
Hymenostylium curvirostre var. *minimum* J.J. Amann *nom. illeg. incl. spec. prior.* = **Hymenostylium recurvirostrum** (Hedw.) Dixon
Hymenostylium curvirostre var. *scabrum* (Lindb.) Limpr. = **Hymenostylium recurvirostrum** (Hedw.) Dixon
Hymenostylium recurvirostre (Hedw.) Dixon = **Hymenostylium recurvirostrum** (Hedw.) Dixon
Hymenostylium recurvirostrum var. *cataractarum* (Schimp.) Podp. = **Hymenostylium recurvirostre** (Hedw.) Dixon var. **recurvirostrum**
Hymenostylium recurvirostrum var. *latifolium* (J.E. Zetterst.) Wijk & Margad. = **Hymenostylium recurvirostrum** (Hedw.) Dixon
\$ *Hymenostylium rupestre* = **Gymnostomum aeruginosum** Sm.
\$ *Hymenostylium verticillatum* = **Eucladium verticillatum** (With.) Bruch & Schimp.
Hyocomium flagellare Schimp. = **Hyocomium armoricum** (Brid.) Wijk & Margad.
Hyocomium madeirense Schimp. ex Paris *nom. inval.* = **Andoa berthelotiana** (Mont.) Ochyra
Hyophila contorta (Kunze) A. Jaeger = **Trichostomum brachydontium** Bruch
Hyophila crenulata Machado-Guim. *hom. illeg.* = **Bryoerythrophyllum campylocarpum** (Müll. Hal.) H.A. Crum
Hyophila ehrenbergii (Lorentz) J.J. Amann = **Barbula bolleana** (Müll. Hal.) Broth.
Hyophila khartoumensis (Pettet) A.J.E. Sm. & H. Whitehouse = **Tortula bogosica** (Müll. Hal.) R.H. Zander
Hyophila laxitexta J. Froehl. *nom. nud.* [209]
Hyophila lusitanica Cardot & Dixon = **Bryoerythrophyllum campylocarpum** (Müll. Hal.) H.A. Crum
Hyophila machadoana Sérgio = **Bryoerythrophyllum campylocarpum** (Müll. Hal.) H.A. Crum
Hyophila pampanini Zodda [49]
Hyophila perpusilla Thér. & Trab. = **Gymnostomum** sp.
Hyophila riparia (Austin) M. Fleisch. = **Hyophila involuta** (Hook.) A. Jaeger
Hyophila stanfordensis (Steere) A.J.E. Sm. & H. Whitehouse = **Henediella stanfordensis** (Steere) Blockeel
Hyophila styriaca Glow. = **Gymnostomum aeruginosum** Sm.
Hyophila treleasii Cardot = **Trichostomum brachydontium** Bruch
Hypnum abietinum Hedw. = **Abietinella abietina** (Hedw.) M. Fleisch.
Hypnum aciculare Scop. *nom. inval.* = **Racomitrium aciculare** (Hedw.) Brid.
Hypnum adiantoides (Hedw.) L. ex With. = **Fissidens adianthoides** Hedw.
Hypnum aduncum Hedw. = **Drepanocladus aduncus** (Hedw.) Warnst.
Hypnum aduncum var. *aquaticum* (Sanio) Sanio = **Drepanocladus aduncus** (Hedw.) Warnst.
Hypnum aduncum var. *attenuatum* Boulay ex Renauld = **Drepanocladus aduncus** (Hedw.) Warnst.

- Hypnum aduncum* var. *blandowii* Sanio *nom. illeg. incl. var. prior.* = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- # *Hypnum aduncum* var. *crispum* Meyran *nom. nud.* = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- # *Hypnum aduncum* var. *denticulatum* Boulay = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *falcatum* (Renauld) Hérib. = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- # *Hypnum aduncum* var. *flexile* Renauld = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *giganteum* Schimp. = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
- Hypnum aduncum* var. *gracilescens* Schimp. = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *hamatum* Schimp. = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
- # *Hypnum aduncum* var. *integrifolium* Boulay = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *kneifii* (Schimp.) Schimp. = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *legitimum* Sanio *nom. illeg.* = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *molle* Sanio *nom. nud. in synonym.* = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *paternum* (Sanio) Paris = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *pungens* (Müll. Hal. ex Milde) Renauld = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum aduncum* var. *tenue* Schimp. *hom. illeg.* = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- # *Hypnum aduncum* var. *wilsonii* Molendo = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
- Hypnum affine* Sommerf. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Hypnum albicans* Hedw. = ***Brachythecium albicans*** (Hedw.) Schimp.
- Hypnum alcazabae* Höhn. = ***Hypnum revolutum*** var. ***dolomiticum*** (Milde) Mönk.
- \$ *Hypnum albicans* var. *alpinum* = ***Brachythecium glareosum*** (Bruch ex Spruce) Schimp.
- Hypnum algerianum* (Brid. ex P. Beauv.) Brid. = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Hypnum alopecurum* Hedw. = ***Thamnobryum alopecurum*** (Hedw.) Gangulee
- Hypnum alpestre* Sw. ex Hedw. = ***Hygrohypnum alpestre*** (Sw. ex Hedw.) Loeske
- Hypnum alpinum* Schimp. *hom. illeg.* = ***Hygrohypnum alpinum*** (Lindb.) Loeske
- Hypnum androgynum* Wilson ex Husn. *hom. illeg.* = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Hypnum arbuscula* Brid. *nom. illeg. incl. spec. prior.* = ***Thamnobryum alopecurum*** (Hedw.) Gangulee
- Hypnum arcticum* Sommerf. = ***Hygrohypnum smithii*** (Sw.) Broth.
- Hypnum arcticum* var. *goulardii* (Schimp.) Husn. = ***Hygrohypnum cochlearifolium*** (Venturi) Broth.
- Hypnum arcuatum* Lindb. *hom. illeg.* = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum arcuatum* var. *demissum* Schimp. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum arcuatum* var. *elatum* Schimp. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum armoricum* Brid. = ***Hyocomium armoricum*** (Brid.) Wijk & Margad.
- Hypnum asplenioides* (Hedw.) Dicks. ex With. = ***Fissidens asplenioides*** Hedw.
- Hypnum atlanticum* Brid. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Hypnum atrovirens* Dicks. ex Brid. = ***Lescurea incurvata*** (Hedw.) E. Lawton
- Hypnum atrovirens* Sw. *nom. inval.* = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Hypnum attenuatum* (Hedw.) Sm. *hom. illeg.* = ***Anomodon attenuatus*** (Hedw.) Huebener
- Hypnum aureum* Lag., D. García & Clemente *hom. illeg.* = ***Homalothecium aureum*** (Spruce) H. Robinson
- Hypnum aurescens* Müll. Hal. = ***Homalothecium aureum*** (Spruce) H. Rob.
- Hypnum balaricum* Dixon = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum bambergi* var. *condensatum* (Schimp.) Limpr. = ***Hypnum bambergi*** Schimp.

- § *Hypnum barbelloides* = ***Homalothecium sericeum*** (Hedw.) Schimp.
Hypnum berthelotianum Mont. = ***Andoa berthelotiana*** (Mont.) Ochyra
Hypnum borrieri Lindb. *nom. inval. in synon. err. orthogr. pro H. borrierianum* Spruce =
Pseudotaxiphyllum elegans (Brid.) Z. Iwats.
Hypnum bottinii Breid. = ***Isopterygium tenerum*** (Sw.) Mitt.
Hypnum bourgaeum Mitt. = ***Rhynchostegiella bourgaeana*** (Mitt.) Broth.
Hypnum breidleri Jur. = ***Calliargon richardsonii*** (Mitt.) Kindb.
Hypnum brevirostre (Brid.) Ehrh. = ***Loeskeobryum brevirostre*** (Brid.) M. Fleisch.
Hypnum bridelianum H.A. Crum, Steere & L.E. Anderson = ***Hypnum recurvatum*** (Lindb. & Arnell) Kindb.
Hypnum bryoides (Hedw.) L. *ex With* = ***Fissidens bryoides*** Hedw.
Hypnum byssirameum auct. eur. non Müll. Hal. & Kindb. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
Hypnum caespitosum Wilson *ex Müll. Hal. hom. illeg.* = ***Scleropodium cespitans*** (Wilson *ex Müll. Hal.*) L.F. Koch
Hypnum calvescens Wilson *nom. inval. prov.* = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
Hypnum campestre (Müll. Hal.) Mitt. = ***Brachythecium campestre*** (Müll. Hal.) Schimp.
Hypnum canariense Brid. = ***Leucodon canariensis*** (Brid.) Schwägr.
Hypnum canariense (Mitt.) A. Jaeger *hom. illeg.* = ***Hypnum uncinulatum*** Jur.
Hypnum canariense Hampe & Müll. Hal. *nom. illeg.* = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
 # *Hypnum canariense* f. *gracilis auct.* = ***Hypnum uncinulatum*** Jur.
Hypnum carinatum Scop. *ex Brid.* = ***Platygyrium repens*** (Brid.) Schimp.
Hypnum cassubicum Scop. *nom. inval.* = ***Homalothecium lutescens*** (Hedw.) H. Rob.
 # *Hypnum casurum* Buch *nom. nud.* = ***Isothecium prolixum*** (Mitt.) M. Stech, Sim-Sim, Tangney & D. Quandt
Hypnum catenulatum (Brid. *ex Schrad.*) Brid. = ***Pseudoleskeella catenulata*** (Brid. *ex Schrad.*) Kindb.
Hypnum chryseon Schwägr. = ***Orthothecium chryseon*** (Schwägr.) Schimp.
Hypnum chrysocomum (Hedw.) P. Beauv. = ***Breutelium chrysocoma*** (Hedw.) Lindb.
Hypnum chrysophyllum Brid. = ***Campyliadelphus chrysophyllum*** (Brid.) Kanda
Hypnum chrysophyllum var. *protensum* Venturi *nom. nud.* = ***Campylium protensum*** (Brid.) Kindb.
Hypnum chrysophyllum var. *subnivale* Molendo = ***Campyliadelphus chrysophyllum*** (Brid.) Kanda
Hypnum chrysophyllum var. *tenellum* Schimp. = ***Campyliadelphus chrysophyllum*** (Brid.) Kanda
Hypnum cincinatum Broth. = ***Nogopterium gracile*** (Hedw.) Crosby & W.R. Buck
Hypnum circinatum Brid. = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
Hypnum circinatum var. *deflexifolium* (Solms.) Boulay = ***Scorpiurium deflexifolium*** (Solms.) M. Fleisch. & Loeske
Hypnum circinatum var. *inundatum* Boulay = ***Scorpiurium deflexifolium*** (Solms.) M. Fleisch. & Loeske
Hypnum cirrosum Schwägr. = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
 § *Hypnum cirrosum* var. *adrepens* = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
 § *Hypnum cirrosum* var. *funckii* = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
 § *Hypnum cirrosum* var. *genuinum* = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
 § *Hypnum cirrosum* var. *gracillimum* = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
Hypnum clavellatum Pollini *ex Hedw.* = ***Rhynchostegium confertum*** (Dicks.) Schimp.
Hypnum cochlearifolium De Not. *hom. illeg.* = ***Hygrohypnum cochlearifolium*** (Venturi) Broth.
Hypnum coelophyllum Molendo = ***Hypnum vaucheri*** Lesq.
Hypnum collinum Schleich. *ex Müll. Hal.* = ***Brachytheciastrium collinum*** (Schleich. *ex Müll. Hal.*) Ignatov & Huttunen

- Hypnum commutatum* Hedw. = ***Palustriella commutata*** (Hedw.) Ochyra
Hypnum commutatum var. *falcatum* (Brid.) Fiedl. = ***Palustriella falcata*** (Brid.) Hedenäs
Hypnum commutatum var. *fluctuans* Schimp. = ***Palustriella commutata*** (Hedw.) Ochyra
Hypnum commutatum var. *pachyneuron* Schimp. ex Podp. = ***Palustriella falcata*** (Brid.)
Hedenäs
Hypnum commutatum var. *prolixum* Hampe *nom. nud.* = ***Palustriella commutata*** (Hedw.)
Ochyra
Hypnum commutatum var. *virescens* (Schimp.) Dixon = ***Palustriella commutata*** Ochyra
Hypnum complanatum (Hedw.) With. = ***Alleniella complanata*** (Hedw.) S. Olsson, Enroth
& D. Quandt
Hypnum compressum With. *hom. illeg. incl. spec. prior.* = ***Ctenidium molluscum*** (Hedw.)
Mitt.
Hypnum concinnum De Not. = ***Entodon concinnum*** (De Not.) Paris
Hypnum condensatum Schimp. = ***Hypnum bambergi*** Schimp.
Hypnum confertum Dicks. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
Hypnum confertum var. *delognei* (Pire) Boulay = ***Rhynchostegium confertum*** (Dicks.)
Schimp.
Hypnum confertum var. *megapolitanum* (Blandow ex. H. Weber & D. Mohr) Hampe =
Rhynchostegium megapolitanum (Blandow ex. F. Weber & D. Mohr) Schimp.
Hypnum conferva Schwägr. *nom. illeg. incl. spec. prior.* = ***Serpoleskea confervoides*** (Brid.)
Kartt.
Hypnum confervoides Brid. = ***Serpoleskea confervoides*** (Brid.) Kartt.
Hypnum contiguum Nees = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum cordifolium Hedw. = ***Calliergon cordifolium*** (Hedw.) Kindb.
Hypnum cordifolium var. *angustifolium* Schimp. *in Kling. hom. illeg.* = ***Calliergon***
cordifolium (Hedw.) Kindb.
Hypnum cordifolium var. *richardsonii* (Mitt.) Husn. = ***Calliergon richardsonii*** (Mitt.)
Kindb.
Hypnum cossonii Schimp. = ***Scorpidium cossonii*** (Schimp.) Hedenäs
Hypnum crassinervium Taylor = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
Hypnum crinale Schleich. *ex Rabenh. nom. illeg. incl. spec. prior.* = ***Hypnum fertile*** Sendtn.
Hypnum crispum (Hedw.) With. = ***Exsertoheca crispa*** (Hedw.) S. Olsson, Enroth &
D. Quandt
Hypnum crista-castrensis Hedw. = ***Ptilium crista-castrensis*** (Hedw.) De Not.
Hypnum cupressiforme var. *brevisetum* Schimp. = ***Hypnum cupressiforme*** Hedw.
Hypnum cupressiforme var. *condensatum* Meyran *nom. nud.* = ***Hypnum cupressiforme***
Hedw.
Hypnum cupressiforme var. *cuspidatum* Jur. = ***Hypnum cupressiforme*** Hedw.
Hypnum cupressiforme var. *elatum* Schimp. = ***Hypnum cupressiforme*** var. ***lacunosum*** Brid.
Hypnum cupressiforme var. *erectum* Roum. = ***Hypnum cupressiforme*** Hedw.
? *Hypnum cupressiforme* subsp. *ericetorum* Giacom. = ***Hypnum jutlandicum*** Holmen &
E. Warncke
Hypnum cupressiforme var. *ericetorum* Schimp. = ***Hypnum jutlandicum*** Holmen &
E. Warncke
▶ *Hypnum cupressiforme* var. *ericetorum* f. *pseudomamillatum* = ***Hypnum jutlandicum***
Holmen & E. Warncke
Hypnum cupressiforme var. *fastigiatum* Hampe = ***Hypnum recurvatum*** (Lindb. & Arnell)
Kindb.
Hypnum cupressiforme f. *filiforme* (Brid.) Podp. = ***Hypnum cupressiforme*** var. ***filiforme***
Brid.
Hypnum cupressiforme var. *gracile* Weinm. = ***Hypnum cupressiforme*** Hedw.
Hypnum cupressiforme var. *imbricatum* Boulay = ***Hypnum cupressiforme*** var. ***lacunosum***
Brid.
Hypnum cupressiforme subsp. *imponens* (Hedw.) Boulay = ***Hypnum imponens*** Hedw.
Hypnum cupressiforme var. *imponens* (Hedw.) Machado-Guim. = ***Hypnum imponens***
Hedw.

- Hypnum cupressiforme* var. *julaceum* Brid. = *Hypnum vaucheri* Lesq.
Hypnum cupressiforme var. *longirostre* Schimp. = *Hypnum cupressiforme* Hedw. var. ***cupressiforme***
Hypnum cupressiforme f. *longirostre* (Schimp.) Podp. = *Hypnum cupressiforme* Hedw. var. ***cupressiforme***
Hypnum cupressiforme var. *mamillatum* Brid. = *Hypnum andoi* A.J.E. Sm.
Hypnum cupressiforme var. *orthophyllum* Jur. = *Hypnum cupressiforme* var. ***subjulaceum*** Molendo
Hypnum cupressiforme var. *pyrenaicum* Renauld = *Hypnum andoi* A.J.E. Sm.
Hypnum cupressiforme subsp. *resupinatum* (Taylor) C. Hartm. = *Hypnum cupressiforme* var. ***resupinatum*** (Taylor) Schimp.
Hypnum cupressiforme var. *robustum* Roum. = *Hypnum cupressiforme* Hedw.
Hypnum cupressiforme var. *strictifolium* Warnst. = *Hypnum cupressiforme* Hedw.
? *Hypnum cupressiforme* f. *subjulaceum* (Molendo) C.E.O. Jensen = *Hypnum cupressiforme* var. ***subjulaceum*** Molendo
Hypnum cupressiforme f. *tectorum* (Brid.) Mönk. = *Hypnum cupressiforme* var. ***lacunosum*** Brid.
Hypnum cupressiforme var. *tectorum* Brid. = *Hypnum cupressiforme* var. ***lacunosum*** Brid.
Hypnum cupressiforme var. *uncinatum* B.S.G. nom. inval. err. orthogr. pro *Hypnum cupressiforme* var. *uncinulatum* Schimp. = *Hypnum cupressiforme* Hedw. var. ***cupressiforme***
Hypnum cupressiforme var. *uncinatum* Boulay = *Hypnum cupressiforme* Hedw. var. ***cupressiforme***
Hypnum cupressiforme var. *uncinulatum* Schimp. = *Hypnum cupressiforme* Hedw. var. ***cupressiforme***
Hypnum curtispindulum (Timm ex Hedw.) L. ex With. = *Antitrichia curtispindula* (Timm ex Hedw.) Brid.
Hypnum curvatum Sw. ex Dicks. = *Isothecium alopecuroides* (Lam. ex Dubois) Isov.
Hypnum curvicaule Jur. = *Cratoneuron curvicaule* (Jur.) G. Roth
\$ *Hypnum curvipes* = *Hygroamblystegium varium* var. ***humile*** (P. Beauv.) Vanderp. & Hedenäs.
Hypnum curvisetum Brid. = *Rhynchostegiella curviseta* (Brid.) Limpr.
Hypnum cuspidatum Hedw. = *Calliergonella cuspidata* (Hedw.) Loeske
Hypnum cuspidatum var. *concinnum* (De Not.) De Not. = *Entodon concinnum* (De Not.) Paris
Hypnum cuspidatum var. *flaccidum* Berthoum. & Buys. = *Calliergonella cuspidata* (Hedw.) Loeske
Hypnum cuspidatum var. *laxum* Husn. = *Calliergonella cuspidata* (Hedw.) Loeske
Hypnum cuspidatum var. *pungens* Schimp. = *Calliergonella cuspidata* (Hedw.) Loeske
Hypnum cyrenaicum Müll. Hal. ex E. Durand & Barratte nom. nud. [281]
Hypnum decipiens (De Not.) Limpr. nom. illeg. = *Palustriella decipiens* (De Not.) Ochyra
Hypnum deflexifolium Solms = *Scorpiurium deflexifolium* (Solms) M. Fleisch. & Loeske
Hypnum delicatulum L. nom. inval. = *Thuidium delicatulum* (Hedw.) Schimp.
Hypnum delitescens Boulay = *Ctenidium molluscum* (Hedw.) Mitt.
Hypnum demissum Wilson = *Sematophyllum demissum* (Wilson) Mitt.
Hypnum dendroides (Hedw.) L. ex With. = *Climacium dendroides* (Hedw.) F. Weber & D. Mohr
Hypnum densum Mazziari nom. nud. [266]
Hypnum densum (Milde) Milde hom. illeg. = *Conardia compacta* (Drumm ex Müll. Hal.) H. Rob.
Hypnum denticulatum Hedw. = *Plagiothecium denticulatum* (Hedw.) Schimp.
Hypnum denticulatum var. *densum* (Schimp.) Lesq. & James = *Plagiothecium denticulatum* (Hedw.) Schimp.
Hypnum denticulatum var. *majus* Boulay = *Plagiothecium denticulatum* (Hedw.) Schimp.
Hypnum depressum (Brid.) Bruch hom. illeg. = *Taxiphyllum wissgrillii* (Garov.) Wijk & Margad.

- Hypnum dilatatum* Wilson in Schimp. = ***Hygrohypnum duriusculum*** (De Not.) D.W. Jamieson
- Hypnum dilatatum* var. *alpinum* (Lindb.) Husn. *nom. inval. in synonym. err. pro H. molle* var. *alpinum* Boulay = ***Hygrohypnum alpinum*** (Lindb.) Loeske
- Hypnum dimorphum* Brid. = ***Heterocladium dimorphum*** (Brid.) Schimp.
- Hypnum dolomiticum* Milde = ***Hypnum revolutum*** var. *dolomiticum* (Milde) Mönk.
- Hypnum duriaei* Mont. = ***Pseudorhynchostegiella duriaei*** (Mont.) Ignatov & Vanderp.
- Hypnum durieui* Mont. ex Müll. Hal. *nom. illeg. err. orthogr. pro H. duriaei* Mont. = ***Pseudorhynchostegiella duriaei*** (Mont.) Ignatov & Vanderp.
- Hypnum elatum* Schimp. = ***Hypnum cupressiforme*** var. *lacunosum* Brid.
- Hypnum elegans* Hook. *hom. illeg.* = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Hypnum elodes* Spruce *hom. illeg.* = ***Campyliadelphus elodes*** (Lindb.) Kanda
- Hypnum erectum* Raddi = ***Loeskeobryum brevirostre*** (Brid.) M. Fleisch.
- Hypnum ericetorum* (Schimp.) Loeske *hom. illeg.* = ***Hypnum jutlandicum*** Holmen ex E. Warncke
- Hypnum eugyrium* (Schimp.) Sull. = ***Hygrohypnum eugyrium*** (Schimp.) Broth.
- Hypnum eugyrium* var. *mackayi* Schimp. = ***Hygrohypnum eugyrium*** (Schimp.) Broth.
- Hypnum exannulatum* Schimp. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum exannulatum* var. *brachydictyon* Paris *nom. illeg. incl. var. prior.* = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum exannulatum* var. *orthophyllum* Milde = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum exannulatum* var. *pinnatum* (Boulay) Paris = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum exannulatum* var. *purpurascens* Schimp. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum exannulatum* var. *rotae* (De Not.) Pfeff. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum falcatum* Brid. = ***Palustriella falcata*** (Brid.) Hedenäs
- § *Hypnum falcatum* var. *fluctuans* = ***Palustriella commutata*** (Schimp.) Ochyra
- Hypnum falcatum* var. *gracilescens* Schimp. = ***Palustriella falcata*** (Brid.) Hedenäs
- Hypnum falcatum* var. *pachyneuron* Schimp. = ***Palustriella falcata*** (Brid.) Hedenäs
- Hypnum falcatum* var. *virescens* Schimp. = ***Palustriella commutata*** (Schimp.) Ochyra
- Hypnum fallaciosum* Jur. = ***Drepanocladus polygamus*** (Schimp.) Hedenäs
- Hypnum fallax* Brid. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum fastigiatum* Brid. *hom. illeg.* = ***Hypnum recurvatum*** (Lindb. & Arnell) Kindb.
- Hypnum fastigiatum* var. *dolomiticum* (Milde) Molendo *nom. inval. in synonym.* = ***Hypnum revolutum*** var. *dolomiticum* (Milde) Mönk.
- Hypnum fastigiatum* var. *ravaudii* (Boulay) Husn. = ***Hypnum revolutum*** (Mitt.) Lindb.
- Hypnum filamentosum* Dicks. ex With. = ***Lescuraea incurvata*** (Hedw.) E. Lawton
- Hypnum filescens* Brid. = ***Plasteurynchium striatulum*** (Spruce) M. Fleisch.
- Hypnum filicinum* Hedw. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum filicinum* var. *crassinervium* Renaud = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum filicinum* var. *falcatum* (Boulay) Delogne = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum filicinum* var. *fallax* (Brid.) Brid. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum filicinum* var. *prolixum* (De Not.) Limpr. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- # *Hypnum filicinum* var. *subsimplex* (Renaud) Hérib. = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum filicinum* var. *tenue* (Husn.) Hérib. *hom. illeg.* = ***Cratoneuron filicinum*** (Hedw.) Spruce
- Hypnum filiforme* (Brid.) Loeske *hom. illeg.* = ***Hypnum cupressiforme*** var. *filiforme* Brid.
- Hypnum fimbriatum* Hartm. = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- Hypnum flagellare* Dicks. ex With. *nom. illeg.* = ***Hyocomium armoricum*** (Brid.) Wijk & Margad.
- Hypnum flagellare* Hedw. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen

- Hypnum fluitans* Hedw. = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *amphibium* Sanio = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *brachydictyon* Renauld = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *exannulatum* Renauld = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *falcatum* Schimp. *hom. illeg.* = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *falcifolium* Renauld = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *glaciale* Renauld = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *irrigatum* Renauld = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *jeanbernati* Renauld = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *paludosum* (Sanio) Sanio = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *payotii* Renauld = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *pinnatum* Boulay = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *pseudostramineum* (Müll. Hal.) H. Müll. = ***Warnstorfia pseudostraminea*** (Müll. Hal.) Tuom. & T.J. Kop.
Hypnum fluitans var. *purpurascens* Schimp. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *setiforme* Renauld = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluitans var. *stenophyllum* Schimp. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
Hypnum fluitans var. *submersum* Schimp. = ***Warnstorfia fluitans*** (Hedw.) Loeske
Hypnum fluviatile Hedw. = ***Hygroamblystegium fluviatile*** (Hedw.) Loeske
Hypnum fontium Brid. = ***Oxyrhynchium speciosum*** (Brid.) Warnst.
Hypnum formianum (Fior.-Mazz.) G. Roth = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hypnum fulgidulum Rota = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum geheebii (Milde) Lindb. = ***Brachythecium geheebii*** Milde
Hypnum giganteum Schimp. = ***Calliergon giganteum*** (Schimp.) Kindb.
Hypnum glaciale (Schimp.) Mitt. = ***Sciuro-hypnum glaciale*** (Schimp.) Ignatov & Huttunen
Hypnum glareosum Bruch *ex* Spruce = ***Brachythecium glareosum*** (Bruch *ex* Spruce) Schimp.
Hypnum glaucum Lam *nom. illeg. incl. spec. prior.* = ***Palustriella commutata*** (Hedw.) Ochyra
Hypnum goulardii Schimp. = ***Hygrohypnum cochlearifolium*** (Venturi) Broth.
Hypnum gracile (Hedw.) With. = ***Nogopterium gracile*** (Hedw.) Crosby & W.R. Buck
Hypnum haldanianum Grev. = ***Callicladium haldanianum*** (Grev.) H.A. Crum
Hypnum haldanianum var. *homomallum* Boulay = ***Hypnum cupressiforme*** var. ***subjulaceum*** Molendo
Hypnum halleri Hedw. = ***Campylophyllum halleri*** (Hedw.) M. Fleisch.
Hypnum hamifolium Schimp. = ***Drepanocladus sendtneri*** (Schimp. *ex* H. Hal.) Warnst.
Hypnum hausmannii (Schimp.) Venturi = ***Leptodictyum riparium*** (Hedw.) Warnst.
Hypnum hercynicum (Milde) Hampe = ***Rhynchostegium confertum*** (Dicks.) Schimp.
Hypnum heseleri Ando & Higuchi = ***Hypnum cupressiforme*** var. ***heseleri*** (Ando & Higuchi) M.O. Hill
Hypnum heteropterum (Brid.) Hampe = ***Heterocladium heteropterum*** (Brid.) Schimp.
Hypnum heuffleri Jur. = ***Hypnum revolutum*** (Mitt.) Lindb.
Hypnum heuffleri var. *pumilum* Husn. = ***Hypnum revolutum*** (Mitt.) Lindb.
Hypnum heuffleri var. *pygmaeum* Molendo = ***Hypnum revolutum*** (Mitt.) Lindb.
Hypnum hians Hedw. = ***Oxyrhynchium hians*** (Hedw.) Loeske
Hypnum hildenbrandii Garov. *nom. nud. in synonym.* = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
Hypnum hispidulum var. *sommerfeltii* (Myrin) Dixon = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
Hypnum hochstetteri Schimp. = ***Myurium hochstetteri*** (Schimp.) Kindb.
Hypnum hygrophilum Jur. = ***Pseudocampyllum radicale*** (P. Beauv.) Vanderp. & Hedenäs

- Hypnum illecebrum* L. ex Hedw. *hom. illeg.* = *Scleropodium touretii* (Brid.) L.F. Koch
Hypnum incurvatum Schrad. ex Brid. = *Homomallium incurvatum* (Schrad. ex Brid.) Loeske
Hypnum incurvatum (Hedw.) P. Beauv. *hom. illeg.* = *Lescurea incurvata* (Hedw.) E. Lawton
Hypnum intermedium Lindb. *hom. illeg.* = *Scorpidium cossonii* (Schimp.) Hedenäs
Hypnum intricatum Schreb. ex Hedw. = *Brachytheciastrum velutinum* (Hedw.) Ignatov & Huttunen var. **velutinum**
Hypnum irrigatum J.E. Zetterst. = *Palustriella commutata* (Hedw.) Ochyra
Hypnum irroratum Müll. Hal. = *Orthothecium intricatum* (Hartm.) Schimp.
Hypnum irriguum Hook. & Wilson = *Hygroamblystegium tenax* (Hedw.) Jenn.
Hypnum julaceum (Schwägr.) Vill. ex Schwägr. *hom. illeg.* = *Myurella julacea* (Schwägr.) Schimp.
Hypnum juratzkanum (Schimp.) Boulay = *Amblystegium serpens* (Hedw.) Schimp.
Hypnum kneiffii (Schimp.) Wilson = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kneiffii var. *attenuatum* Boulay ex Wynne *nom. inval. err. pro H. aduncum* var. *attenuatum* = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kneiffii var. *gracilescens* (Schimp.) Kindb. = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kneiffii var. *intermedium* (Schimp.) Venturi = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kneiffii var. *laxum* Schimp. ex Milde = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kneiffii var. *polycarpon* (Blandow ex Voit) Fam. = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kneiffii var. *pungens* H. Müll. ex Milde = *Drepanocladus aduncus* (Hedw.) Warnst.
Hypnum kochii Schimp. = *Hygroamblystegium varium* var. *humile* (P. Beauv.) Vanderp. & Hedenäs
Hypnum klunzingeri Müll. Hal. *nom. nud.* [209]
Hypnum lacunosum (Brid.) Hoffm. ex Brid. = *Hypnum cupressiforme* var. *lacunosum* Brid.
Hypnum lacunosum var. *tectorum* (Brid.) J.-P. Frahm = *Hypnum cupressiforme* var. **lacunosum** Brid.
Hypnum laetum Brid. = *Brachythecium laetum* (Brid.) Schimp.
Hypnum latebricola (Schimp.) Hobk. = *Plagiothecium latebricola* Schimp.
Hypnum leptophyllum Schimp. = *Leptodictyum riparium* (Hedw.) Warnst.
Hypnum leskea Grev. = *Scorpiurium circinatum* (Bruch) M. Fleisch. & Loeske
Hypnum lindbergii Mitt. = *Calliergonella lindbergii* (Mitt.) Hedenäs
Hypnum litoreum De Not. = *Rhynchostegiella litorea* (De Not.) Limpr.
Hypnum longirostrum Ehrh ex Brid. *nom. illeg. incl. spec. prior.* = *Eurhynchium striatum* (Hedw.) Schimp.
Hypnum longirostrum var. *durieui* Mitt. *nom. inval.* = *Plasteurhynchium meridionale* (Schimp.) M. Fleisch.
Hypnum loreum Hedw. = *Rhytidiadelphus loreus* (Hedw.) Warnst.
Hypnum lucens Hedw. = *Hookeria lucens* (Hedw.) Sm.
Hypnum lusitanicum Schimp. = *Rhynchostegium alopecuroides* (Brid.) A.J.E. Sm.
Hypnum luteolum Müll. Hal. = *Brachythecium laetum* (Brid.) Schimp.
Hypnum lutescens Hedw. = *Homalothecium lutescens* (Hedw.) H. Rob.
Hypnum lycopodioides Brid. = *Drepanocladus lycopodioides* (Brid.) Warnst.
Hypnum madeirense Mitt. = *Hygroamblystegium varium* (Hedw.) Mönk.
Hypnum mamillatum (Brid.) Loeske = *Hypnum andoi* A.J.E. Sm.
Hypnum mandonii Mitt. = *Homalothecium sericeum* (Hedw.) Schimp.
Hypnum mediterraneum Sendtn. = *Scorpiurium circinatum* (Bruch) M. Fleisch. & Loeske
Hypnum medium Dicks. ex With. = *Leskea polycarpa* Ehrh. ex Hedw.
Hypnum megapolitanum Blandow ex F. Weber & D. Mohr = *Rhynchostegium megapolitanum* (Blandow ex F. Weber & D. Mohr) Schimp.
Hypnum megapolitanum var. *meridionale* Schimp. = *Rhynchostegium megapolitanum* (Blandow ex F. Weber & D. Mohr) Schimp.

- Hypnum megapolitanum* var. *septentrionale* Boulay = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
- Hypnum meridionale* Schimp. *nom. nud. in synon.* = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Hypnum micans* Wilson *nom. inval.* = ***Hageniella micans*** (Mitt.) B.C.Tan & Y. Jia
- Hypnum mildeanum* Schimp. = ***Brachythecium mildeanum*** (Schimp.) Schimp. *ex Milde*
- Hypnum minutulum* Hedw. = ***Pelekium minutulum*** (Hedw.) Touw
- Hypnum molle* Hedw. = ***Hygrohypnum molle*** (Hedw.) Loeske
- Hypnum molle* var. *alpinum* (Lindb.) Boulay = ***Hygrohypnum alpinum*** (Lindb.) Loeske
- Hypnum molle* var. *dilatatum* (Wilson) Boulay = ***Hygrohypnum duriusculum*** (De Not.) Jamieson
- # *Hypnum molle* var. *julaceum* Meyran *nom. nud.* = ***Hygrohypnum alpinum*** (Lindb.) Loeske
- Hypnum molle* var. *maximum* Boulay = ***Hygrohypnum molle*** (Hedw.) Loeske
- Hypnum molle* var. *schimperianum* (Lorentz) Schimp. = ***Hygrohypnum molle*** (Hedw.) Loeske
- Hypnum molluscum* Hedw. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum molluscum* var. *condensatum* Schimp. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum molluscum* var. *erectum* Schimp. = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum molluscum* var. *gracile* Boulay = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum molluscum* var. *squarrosulum* Boulay = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum molluscum* var. *winteri* Boulay = ***Ctenidium molluscum*** (Hedw.) Mitt.
- Hypnum moniliforme* Wahlenb. = ***Myurella julacea*** (Schwägr.) Schimp.
- Hypnum moniliforme* var. *apiculatum* Sommerf. = ***Myurella tenerrima*** (Brid.) Lindb.
- Hypnum morense* Schleich. *nom. nud. in synon.* = ***Leucodon sciuroides*** (Hedw.) Schwägr.
- Hypnum muellerianum* (Schimp.) Hook. f. = ***Isopterygiopsis muelleriana*** (Schimp.) Z. Iwats.
- Hypnum muelhenbeckii* Schimp. *nom. inval. orthogr. err. pro H. muelhenbeckii* Hartm. = ***Herzogiella striatella*** (Brid.) Z. Iwats.
- Hypnum murale* Hedw. = ***Rhynchostegium murale*** (Hedw.) Schimp.
- Hypnum mutabile* Brid. = ***Lescurea mutabilis*** (Brid.) Lindb.
- Hypnum myosuroides* L. *ex Brid. hom illeg.* = ***Isothecium myosuroides*** Brid.
- # *Hypnum myosuroides* var. *filiforme* Grav. *nom. nud.* = ***Isothecium myosuroides*** Brid.
- Hypnum myurum* Brid. *nom. illeg.* = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
- Hypnum napaeum* Limpr. = ***Palustriella commutata*** Hedw.
- Hypnum nemorosum* Koch *ex Brid.* = ***Heterophyllum affine*** (Hook.) M. Fleisch.
- Hypnum nervosum* (Brid.) Müll. Hal. = ***Pseudoleskeella nervosa*** (Brid.) Nyholm
- Hypnum nitens* Hedw. = ***Tomentypnum nitens*** (Hedw.) Loeske
- Hypnum nitidulum* Wahlenb. = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
- Hypnum nivale* Lorentz = ***Straminergon stramineum*** (Dicks. ex Brid.) Hedenäs
- Hypnum notarisii* Boulay *nom. inval. prov.* = ***Palustriella decipiens*** (De Not.)
- Hypnum oakesii* Sull. = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- Hypnum ochraceum* Turner *ex Wilson* = ***Hygrohypnum ochraceum*** (Turner *ex Wilson*) Loeske
- Hypnum ochraceum* var. *flaccidum* Milde = ***Hygrohypnum ochraceum*** (Turner *ex Wilson*) Loeske
- \$ *Hypnum ochraceum* var. *goulardii* = ***Hygrohypnum cochlearifolium*** (Venturi) Broth.
- Hypnum ochraceum* var. *tenuis* Boulay *nom. nud.* = ***Hygrohypnum ochraceum*** (Turner *ex Wilson*) Loeske
- # *Hypnum ochraceum* var. *tenuius* Meyran *nom. nud.* = ***Hygrohypnum ochraceum*** (Turner *ex Wilson*) Loeske
- Hypnum ochraceum* var. *uncinatum* Milde = ***Hygrohypnum ochraceum*** (Turner *ex Wilson*) Loeske
- Hypnum ornellanum* Molendo = ***Sciuro-hypnum ornellanum*** (Molendo) Ignatov & Huttunen

- Hypnum ornithopodioides* Hudson *nom. inval.* = ***Nogopterium gracile*** (Hedw.) Crosby & W.R. Buck
- Hypnum orthocarpon* De La Pylaie *nom. nud. in synonym.* = ***Entodon concinnus*** (De Not.) Paris
- Hypnum orthocladon* P. Beauv. = ***Hygroamblystegium tenax*** (Hedw.) Jenn.
- # *Hypnum paivanum* Schimp. *nom. nud. in synonym.* = ***Hypnum uncinatum*** Jur.
- Hypnum pallescens* var. *reptile* (Michx.) Husn. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
- Hypnum pallescens* var. *subjulaceum* (Schimp.) C. Hartm. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
- Hypnum paludosum* (Hedw.) P. Beauv. = ***Leskea polycarpa*** Hedw.
- Hypnum palustre* Huds. ex Brid. *nom. illeg. incl. spec. prior.* = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum palustre* var. *hamulosum* Schimp. *nom. illeg.* = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum palustre* var. *julaceum* Schimp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum palustre* var. *laxum* Schimp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum palustre* var. *polare* (Lindb.) Husn. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum palustre* var. *subsphaerocarpon* (Schleich. ex Brid) Lindb. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum palustre* var. *tenellum* Schimp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
- Hypnum parietinum* L. ex Wahlenb. *hom. illeg.* = ***Pleurozium schreberi*** (Brid.) Mitt.
- Hypnum patientiae* Lindb. ex Milde *nom. illeg. incl. spec. prior.* = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum patientiae* var. *demissum* Schimp. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum patientiae* var. *elatum* Schimp. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum payotianum* Boulay ex Husn. *nom. inval. in synonym.* = ***Brachytheciastrum trachypodium*** (Brid.) Ignatov & Huttunen
- Hypnum pellucidum* Wilson ex Lindb. *nom. nud. in synonym.* = ***Hamatocaulis vernicosus*** (Mitt.) Hedenäs
- Hypnum pellucidum* Wilson in Jur. = ***Hamatocaulis vernicosus*** (Mitt.) Hedenäs
- Hypnum pennatum* Haller *nom. inval.* = ***Neckera pennata*** Hedw.
- Hypnum perichaetiale* Schimp. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
- Hypnum petraeum* Boulay = ***Hypnum procerrimum*** Molendo
- # *Hypnum pilaceum* Buch *nom. nud.* = ***Leucodon treleasei*** (Cardot) Paris
- Hypnum piliferum* Hedw. = ***Cirriphyllum piliferum*** (Hedw.) Grout
- Hypnum planifolium* Brid. = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Hypnum plicatum* Schleich. ex F. Weber & D. Mohr = ***Lescuraea plicata*** (Schleich. ex F. Weber & D. Mohr) Broth.
- Hypnum plumosum* Hedw. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Hypnum plumosum* Sw. *nom. illeg.* = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Hypnum plumosum* var. *homomallum* Schimp. = ***Sciuro-hypnum plumosum*** (Hedw.) Schimp.
- Hypnum polare* Lindb. = ***Hygrohypnum polare*** (Lindb.) Loeske
- Hypnum polyanthum* (Hedw.) Dicks. = ***Pylaisia polyantha*** (Hedw.) Schimp.
- Hypnum polycephalum* Neck. *nom. inval.* = ***Cryphaea heteromalla*** (Hedw.) D. Mohr
- # *Hypnum polygamum* var. *minus* Schimp. = ***Drepanocladus polygamus*** (Schimp.) Hedenäs
- Hypnum polymorphum* Hedw. = ***Kindbergia praelonga*** (Hedw.) Ochrya
- Hypnum polymorphum* Hedw. ex Hook. & Tayl. *hom. illeg.* = ***Campyliadelphus chrysophyllus*** (Brid.) Kanda
- Hypnum polymorphum* Hedw. = ***Campyliadelphus chrysophyllus*** (Brid.) Kanda
- Hypnum populeum* Hedw. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Hypnum populeum* var. *attenuatum* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Schimp.
- Hypnum populeum* var. *longisetum* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen

- Hypnum populeum* var. *majus* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Hypnum populeum* var. *rufescens* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Hypnum populeum* var. *subfalcatum* Schimp. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
- Hypnum praecox* Hedw. = ***Eurhynchiastrum pulchellum*** var. *praecox* (Hedw.) Ochyra & Żarnowiec
- Hypnum praecox* var. *imbricatum* Schimp. = ***Eurhynchiastrum pulchellum*** var. *praecox* (Hedw.) Ochyra & Żarnowiec
- Hypnum praelongum* Hedw. = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Hypnum praelongum* var. *abbreviatum* Boulay hom. illeg. = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röll
- Hypnum praelongum* var. *atrovirens* Schimp. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Hypnum praelongum* var. *meridionale* Boulay = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Hypnum praelongum* var. *rigidum* Boulay = ***Oxyrrhynchium hians*** (Hedw.) Loeske
- Hypnum praelongum* var. *speciosum* Brid. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Hypnum pratense* W.D.J. Koch ex Spruce = ***Breidleria pratensis*** (W.D.J. Koch ex Spruce) Loeske
- Hypnum pratense* var. *hamatum* Schimp. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
- Hypnum proliferum* L. ex Brid. = ***Hylocomium splendens*** (Hedw.) Schimp.
- Hypnum protensum* Brid. = ***Campylium protensum*** (Brid.) Kindb.
- Hypnum protuberans* Brid. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
- Hypnum pseudocupressiforme* Müll. Hal. = ***Hypnum uncinulatum*** Jur.
- Hypnum pseudofluitans* (San.) Klinggr. = ***Drepanocladus aduncus*** (Hedw.) Warnst.
- Hypnum pseudoplumosum* Brid. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Hypnum pseudostramineum* Müll. Hal. = ***Warnstorfia pseudostraminea*** (Müll. Hal.) Tuom & T.J. Kop.
- Hypnum pulchellum* (Hedw.) Dicks. ex Brid. hom. illeg. = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
- Hypnum pumilum* Wilson = ***Microeurhynchium pumilum*** (Wilson) Ignatov & Vanderp.
- Hypnum purpurascens* (Schimp.) Limpr. hom. illeg. = ***Sarmentypnum exannulatum*** (Schimp.) Hedenäs
- Hypnum purum* Hedw. = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- Hypnum purum* var. *condensatum* G. Roth ex Zodda = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- # *Hypnum purum* var. *frondosum* Lojac. = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- Hypnum purum* var. *turgescens* Renaud & Hérib. = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- Hypnum pyrenaicum* Spruce = ***Hylocomiastrum pyrenaicum*** (Spruce) M. Fleisch.
- Hypnum rabenhorstii* Molendo = ***Scorpidium cossonii*** (Schimp.) Hedenäs
- Hypnum radicale* P. Beauv. = ***Pseudocampylium radicale*** (P. Beauv.) Vanderp. & Hedenäs
- Hypnum ravaudii* subsp. *fastigiatum* (Brid.) Wijk & Margad. = ***Hypnum recurvatum*** (Lindb.) & Arnell Kindb.
- Hypnum recognitum* Hedw. = ***Thuidium recognitum*** (Hedw.) Lindb.
- Hypnum reflexum* Starke = ***Sciuro-hypnum reflexum*** (Starke) Ignatov & Huttunen
- Hypnum reptile* Michx. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
- Hypnum reptile* var. *subjulaceum* Schimp. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
- Hypnum resupinatum* Taylor = ***Hypnum cupressiforme*** var. *resupinatum* (Taylor) Schimp.
- Hypnum revolutum* f. *pumilum* (Husn.) Ando = ***Hypnum revolutum*** (Mitt.) Lindb.
- Hypnum revolutum* var. *ravaudii* (Boulay) Ando = ***Hypnum revolutum*** var. *dolomiticum* (Milde) Mönk.
- Hypnum revolvens* Sw. ex anon. = ***Scorpidium revolvens*** (Sw. ex anon.) Rubbers
- Hypnum revolvens* subsp. *cossonii* (Schimp.) Renaud = ***Scorpidium cossonii*** (Schimp.) Hedenäs

- Hypnum revolvens* var. *intermedium* (Lindb.) Renauld *hom. illeg.* = *Scorpidium cossonii* (Schimp.) Hedenäs
- Hypnum richardsonii* (Mitt.) Lesq. & James = *Calliergon richardsonii* (Mitt.) Kindb.
- Hypnum rigidulum* Bruch = *Rhynchostegiella curviseta* (Brid.) Limpr.
- Hypnum riparioides* Hedw. = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum riparium* Hedw. = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum riparium* var. *abbreviatum* (Schimp.) Lesq. & James = *Leptodictyum riparium* (Hedw.) Warnst.
- # *Hypnum riparium* var. *angustifolium* Warnst. *nom. nud.* = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum riparium* var. *distichum* Boulay = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum riparium* var. *longifolium* (Schultz) Röhl. = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum riparium* var. *radicans* Boulay *nom. illeg.* = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum riparium* var. *splendens* (De Not.) Boulay = *Leptodictyum riparium* (Hedw.) Warnst.
- # *Hypnum riparium* var. *subsecundum* Husn. *nom. illeg.* = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum riparium* var. *trichopodium* (Schultz) Röhl. = *Leptodictyum riparium* (Hedw.) Warnst.
- Hypnum rivulare* (Schimp.) Bruch *hom. illeg.* = *Brachythecium rivulare* Schimp.
- Hypnum roeseanum* Hampe = *Plagiothecium cavifolium* (Brid.) Z. Iwats.
- Hypnum rostratum* (Hedw.) P. Beauv. = *Anomodon rostratus* (Hedw.) Schimp.
- Hypnum rotae* De Not. *ex Husn. nom. inval. in synonym. err. pro Amblystegium rotae* De Not. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- \$ *Hypnum rotae* var. *falcifolium* = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- \$ *Hypnum rotae* var. *glaciale* = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- \$ *Hypnum rotae* var. *irrigatum* = *Sarmentypnum exannulatum* (Schimp.) Hedenäs
- Hypnum rotundifolium* Scop. *ex Brid.* = *Rhynchostegium rotundifolium* (Scop. *ex Brid.*) Schimp.
- Hypnum rufescens* Dicks. *ex Brid.* = *Orthothecium rufescens* (Dicks. *ex Brid.*) Schimp.
- Hypnum rugosum* Ehrh. *ex Hedw.* = *Rhytidium rugosum* (Ehrh. *ex Hedw.*) Kindb.
- Hypnum rugosum* var. *imbricatum* Pfeff. = *Rhytidium rugosum* (Ehrh. *ex Hedw.*) Kindb.
- Hypnum rugulosum* F. Weber & D. Mohr *nom. illeg. incl. spec. prior.* = *Rhytidium rugosum* (Ehrh. *ex Hedw.*) Kindb.
- Hypnum ruscifolium* Neck. *ex With.* = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* F.W. Weiss *ex Brid. nom. illeg. incl. spec. prior.* = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* var. *atlanticum* (Brid.) Brid. = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* var. *inundatum* (Brid.) Brid. = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* var. *laminatum* Boulay = *Rhynchostegium riparioides* (Hedw.) Cardot
- \$ *Hypnum rusciforme* var. *lutescens* = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* var. *prolixum* (Brid.) Brid. = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* var. *squarrosum* Boulay = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rusciforme* var. *vulgare* Boulay = *Rhynchostegium riparioides* (Hedw.) Cardot
- Hypnum rutabulum* Hedw. = *Brachythecium rutabulum* (Hedw.) Schimp. var. *rutabulum*
- Hypnum rutabulum* var. *explanatum* Brid. = *Brachythecium rutabulum* (Hedw.) Schimp.
- Hypnum rutabulum* var. *explanatum auct. eur. non Brid.* = *Sciuro-hypnum curtum* (Lindb.) Ignatov
- Hypnum salebrosum* Hoffm. *ex F. Weber & D. Mohr* = *Brachythecium salebrosum* (Hoffm. *ex F. Weber & D. Mohr*) Schimp.

- Hypnum salebrosum* var. *palustre* (Schimp.) Lesq. & James = ***Brachythecium mildeanum*** (Schimp.) Schimp. ex Milde
- Hypnum salicinum* (Schimp.) Boulay = ***Brachytheciastrum velutinum*** var. *salicinum* (Schimp.) Ochyra & Żarnowiec
- Hypnum sarmentosum* Wahlenb. = ***Sarmentypnum sarmentosum*** (Wahlenb.) Tuom. & T.J. Kop.
- Hypnum sarratianum* Roum. nom. nud. in synonym. = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen
- Hypnum saxatile* Brid. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Hypnum schimperi* Bruch ex Rabenh. = ***Sematophyllum demissum*** (Wilson) Mitt.
- Hypnum schimperianum* Lorentz = ***Hygrohypnum molle*** (Hedw.) Loeske
- Hypnum schleicheri* R. Hedw. = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röll
- Hypnum schreberi* Willd. ex Brid. = ***Pleurozium schreberi*** (Willd. ex Brid.) Mitt.
- Hypnum sciuroides* (Hedw.) L. ex With. = ***Leucodon sciuroides*** (Hedw.) Schwägr.
- § *Hypnum scleropus* = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Hypnum scorpioides* Hedw. = ***Scorpidium scorpioides*** (Hedw.) Limpr.
- Hypnum seligeri* (Brid.) Müll. Hal. = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Hypnum sendtneri* Schimp. ex H. Hal. = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
- Hypnum sendtneri* var. *giganteum* (Schimp.) Lindb. = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
- Hypnum sendtneri* var. *wilsonii* Schimp. nom. illeg. = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
- Hypnum sericeum* (Hedw.) With. = ***Homalothecium sericeum*** (Hedw.) Schimp.
- Hypnum serpens* Hedw. = ***Amblystegium serpens*** (Hedw.) Schimp.
- Hypnum silesiacum* auct. non F. Weber & D. Mohr = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Hypnum silvaticum* Hedw. ex Lindb. nom. inval. in synonym. err. orthogr. pro *H. sylvaticum* Brid. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Hypnum smithii* Hedw. = ***Leptodon smithii*** (Hedw.) F. Weber & D. Mohr
- Hypnum solmsii* Kindb. nom. nud. err. orthogr. pro *H. solmsianum* Schimp. nom. nud. = ***Sanionia uncinata*** (Hedw.) Loeske
- Hypnum sommerfeltii* Myrin = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Hypnum sommerfeltii* var. *stellatum* Schimp. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
- Hypnum speciosum* Brid. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Hypnum splendens* Hedw. = ***Hylocomium splendens*** (Hedw.) Schimp.
- Hypnum sprucei* (Bruch) Spruce = ***Platydictya jungermannoides*** (Brid.) H.A. Crum
- Hypnum squarrosulum* Brid. = ***Campyliadelphus chrysophyllus*** (Brid.) Kanda
- Hypnum squarrosum* Hedw. = ***Rhytidiadelphus squarrosus*** (Hedw.) Warnst.
- Hypnum squarrosum* var. *calvescens* (Wilson) Hobkirk = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
- Hypnum starkei* Brid. = ***Sciuro-hypnum starkei*** (Brid.) Ignatov & Huttunen
- Hypnum stellatum* Hedw. = ***Campyllum stellatum*** (Hedw.) C.E.O. Jensen
- Hypnum stellatum* F. Weber nom. nud. = ***Sciuro-hypnum plumosum*** (Hedw.) Ignatov & Huttunen
- Hypnum stellatum* var. *alpinum* (Boulay) Meyran = ***Campyllum stellatum*** (Hedw.) C.E.O. Jensen
- Hypnum stellatum* var. *gracile* Meyran nom. nud. = ***Campyllum stellatum*** (Hedw.) C.E.O. Jensen
- Hypnum stellatum* var. *minus* F. Weber & D. Mohr = ***Campyliadelphus chrysophyllus*** (Brid.) R.S. Chopra
- Hypnum stellatum* var. *protensum* (Brid.) Röhl. = ***Campyllum protensum*** (Brid.) Kindb.
- Hypnum stellatum* var. *radicans* Meyran nom. nud. = ***Campyllum stellatum*** (Hedw.) C.E.O. Jensen
- Hypnum stellatum* var. *tenellum* Müll. Hal. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs

- Hypnum stellulatum* (Schimp.) Kindb. = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
Hypnum stokesii Turner = ***Kindbergia praelonga*** (Hedw.) Ochyra
Hypnum stragulum I. Hagen = ***Campylophyllum sommerfeltii*** (Myrin) Hedenäs
Hypnum stramineum Dicks. ex Brid. = ***Straminergon stramineum*** (Dicks. ex Brid.) Hedenäs
Hypnum stramineum var. *nivale* (Lorentz) C. Hartm. = ***Straminergon stramineum*** (Dicks. ex Brid.) Hedenäs
Hypnum stramineum var. *patens* (Lindb.) Paris = ***Straminergon stramineum*** (Dicks. ex Brid.) Hedenäs
Hypnum striatellum (Brid.) Müll. Hal. = ***Herzogiella striatella*** (Brid.) Z. Iwats.
Hypnum striatulum Spruce = ***Plasteurhynchium striatulum*** (Spruce) M. Fleisch.
Hypnum striatum Hedw. = ***Eurhynchium striatum*** (Hedw.) Schimp.
Hypnum striatum var. *duriaeanum* Mont. ex Mitt. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
§ *Hypnum striatum* var. *meridionale* = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
Hypnum strigosum Hoffm. ex F. Weber & D. Mohr = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen var. ***pulchellum***
Hypnum strigosum var. *circinnatum* Brid. = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
Hypnum strigosum var. *diversifolium* (Schimp.) Lindb. = ***Eurhynchiastrum pulchellum*** var. ***diversifolium*** (Schimp.) Ochyra & Żarnowiec
Hypnum strigosum var. *praecox* (Hedw.) Wahlenb. = ***Eurhynchiastrum pulchellum*** var. ***praecox*** (Hedw.) Ochyra & Żarnowiec
Hypnum subaduncum (Warnst.) Mönk. = ***Drepanocladus aduncus*** (Hedw.) Warnst.
Hypnum subpinnatum Lindb. *hom. illeg.* = ***Rhytidadelphus subpinnatus*** (Lindb.) T.J. Kop.
Hypnum subsphaericarpon Schleich. ex Brid. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
Hypnum substrumulosum Hampe = ***Sematophyllum substrumulosum*** (Hampe) E. Britton
Hypnum subsulcatum Schimp. = ***Palustriella commutata*** (Hedw.) Ochyra
Hypnum subtile (Hedw.) Dicks. *hom. illeg.* = ***Pseudoamblystegium subtile*** (Hedw.) Vanderp. & Hedenäs
Hypnum sulcatum Schimp. *hom. illeg.* = ***Palustriella falcata*** (Brid.) Hedenäs
Hypnum sulcatum var. *subsulcatum* Schimp. = ***Palustriella commutata*** (Hedw.) Ochyra
Hypnum surrectum Mitt. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
Hypnum swartzii Turner = ***Oxyrrhynchium hians*** (Hedw.) Loeske
Hypnum sylvaticum Brid. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
Hypnum sylvaticum *auct. non* Brid. = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
Hypnum sylvaticum var. *orthocladium* (Schimp.) Schimp. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
§ *Hypnum sylvaticum* var. *phyllorhizans* = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
§ *Hypnum sylvaticum* var. *roeseanum* = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
Hypnum tamariscinum Hedw. = ***Thuidium tamariscinum*** (Hedw.) Schimp.
Hypnum taxifolium (Hedw.) With. = ***Fissidens taxifolius*** Hedw. subsp. ***taxifolius***
Hypnum tectorum Funck ex Brid. = ***Pseudoleskeella tectorum*** (Funck ex Brid.) Kindb. ex Broth.
Hypnum teesdalei Schimp. *hom. illeg.* = ***Rhynchostegiella teneriffae*** (Mont.) Dirkse & Bouman
Hypnum teesdalei var. *cavernarum* Molendo. = ***Rhynchostegiella teneriffae*** (Mont.) Dirkse & Bouman
Hypnum tenellum Dicks. = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
Hypnum teneriffae Mont. = ***Rhynchostegiella teneriffae*** (Mont.) Dirkse & Bouman
Hypnum thomasii Brid. = ***Brachythecium salebrosum*** (F. Weber & D. Mohr) Schimp.
Hypnum tommasinii Sendtn. ex Boulay = ***Brachythecium tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen
Hypnum tommasinii var. *fagineum* (H. Müll. ex Milde) Boulay = ***Rhynchostegiella tenuicaulis*** (Spruce) Kartt.
Hypnum tommasinii var. *julaceum* (Schimp.) Boulay = ***Brachythecium cirrosum*** (Schwägr.) Schimp.

- Hypnum thuringicum* Brid. = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen
Hypnum touretti Brid. = ***Scleropodium touretii*** (Brid.) L.F. Koch
Hypnum trachypodium Müll. Hal. = ***Brachythecium trachypodium*** (Brid.) Schimp.
Hypnum trichoides Neck. ex Lindb. *nom. illeg. incl. spec. prior.* = ***Tomentypnum nitens*** (Hedw.) Loeske
Hypnum trichodes Haller *nom. inval.* = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
Hypnum trichomanoides (Hedw.) With. = ***Homalia trichomanoides*** (Hedw.) Schimp.
Hypnum trichophorum Spruce = ***Plagiothecium piliferum*** (Sw.) Schimp.
Hypnum trichophorum var. *brevipile* (Schimp.) Lindb. = ***Plagiothecium piliferum*** (Sw.) Schimp.
Hypnum trifarium F. Weber & D. Mohr = ***Drepanocladus trifarius*** (F. Weber & D. Mohr) Broth. ex Paris
Hypnum triquetrum Hedw. = ***Rhytidiadelphus triquetrus*** (Hedw.) Warnst.
Hypnum turgescens T. Jensen = ***Drepanocladus turgescens*** (T. Jensen) Broth.
Hypnum umbratum Hedw. = ***Hylocomiastrum umbratum*** (Hedw.) M. Fleisch.
Hypnum uncinatum Hedw. = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum uncinatum var. *abbreviatum* Schimp. = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum uncinatum var. *graciliscens* Schimp. = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum uncinatum var. *plumosum* Schimp. = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum uncinatum var. *plumosum* Schimp. = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum uncinatum var. *subjulaceum* Schimp. = ***Sanionia uncinata*** (Hedw.) Loeske
Hypnum undulatum Hedw. = ***Plagiothecium undulatum*** (Hedw.) Schimp.
Hypnum vallis-clausae Brid. = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hypnum vallis-clausae var. *atrovirens* Brid. = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hypnum vallis-clausae var. *fallax* (Brid.) Boulay = ***Cratoneuron filicinum*** (Hedw.) Spruce
Hypnum varium (Hedw.) P. Beauv. = ***Amblystegium varium*** (Hedw.) Lindb.
Hypnum vaucheri var. *coelophyllum* (Molendo) Pfeff. = ***Hypnum revolutum*** var. ***dolomiticum*** (Milde) Mönk.
Hypnum vaucheri var. *julaceum* (Brid.) Husn. = ***Hypnum vaucheri*** Lesq.
Hypnum velutinoides Bruch *hom. illeg. incl. spec. prior.* = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
Hypnum velutinum Hedw. = ***Brachytheciastrum velutinum*** (Hedw.) Ignatov & Huttunen var. ***velutinum***
Hypnum velutinum var. *sericeum* Brid. = ***Brachytheciastrum trachypodium*** (Brid.) Ignatov & Huttunen
Hypnum venustum De Not. *hom. illeg.* = ***Brachytheciastrum velutinum*** var. ***salicinum*** (Schimp.) Ochyra & Żarnowiec
Hypnum vernicosum Lindb. *hom. illeg.* = ***Hamatocaulis vernicosus*** (Mitt.) Hedenäs
Hypnum vernicosum var. *majus* Lindb. = ***Hamatocaulis vernicosus*** (Mitt.) Hedenäs
Hypnum virescens Boulay = ***Palustriella commutata*** (Hedw.) Ochyra
Hypnum viride Lam. = ***Sciuro-hypnum populeum*** (Hedw.) Ignatov & Huttunen
Hypnum viticulosum (Hedw.) With. = ***Anomodon viticulosus*** (Hedw.) Hook. & Taylor
Hypnum wilsonii (Lindb.) Schimp. ex Renauld = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
Hypnum wilsonii var. *hamatum* (Schimp.) Limpr. = ***Drepanocladus sendtneri*** (Schimp. ex H. Hal.) Warnst.
Hypnum wissgrillii Garov. = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.
Hypopterygium muelleri Hampe = ***Hypopterygium tamarisci*** (Sw.) Brid. ex Müll. Hal.

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- \$ *Isopterygiopsis pulchella* var. *nitidula* = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
Isopterygium borrierianum (Spruce ex Müll. Hal.) Lindb. = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
Isopterygium borrieri Lindb. *nom. illeg. incl. spec. prior.* = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.

- Isopterygium bottinii* (Bridl.) Kindb. = ***Isopterygium tenerum*** (Sw.) Mitt.
Isopterygium depressum (Brid.) Mitt. = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.
Isopterygium depressum var. *subjulaceum* Cardot & A. Gepp = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.
Isopterygium elegans (Brid.) Lindb. = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
Isopterygium elegans var. *laetevirens* Dixon & Luisier ex F. Koppe & Düll = ***Pseudotaxiphyllum laetevirens*** (Dixon & Luisier ex F. Koppe & Düll) Hedenäs
Isopterygium laetevirens Dixon & Luisier *nom. inval.* = ***Pseudotaxiphyllum laetevirens*** (Dixon & Luisier ex F. Koppe & Düll) Hedenäs
Isopterygium muellerianum (Schimp.) A. Jaeger = ***Isopterygiopsis muelleriana*** (Schimp.) Z. Iwats.
Isopterygium nitidulum (Wahlenb.) Kindb. *nom. illeg. incl. spec. prior.* = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
Isopterygium piliferum (Sw.) Loeske = ***Plagiothecium piliferum*** (Sw.) Schimp.
☞ *Isopterygium pratense* (Rabenh.) Lindb. = ***Breidleria pratensis*** (W.D.J. Koch ex Spruce) Loeske
Isopterygium pulchellum (Hedw.) A. Jaeger = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
Isopterygium pulchellum var. *nitidulum* (Wahlenb.) G. Roth = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
Isopterygium repens (Brid.) Lindb. *ex Delogne nom. illeg. incl. spec. prior.* = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
Isopterygium seligeri (Brid.) Dixon = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
Isopterygium silesiacum auct. *non* (F. Weber & D. Mohr) Kindb. *nom. illeg. incl. spec. prior.* = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
Isopterygium striatellum (Brid.) Loeske = ***Herzogiella striatella*** (Brid.) Z. Iwats.
Isopterygium wissgrillii (Garov.) Gillet-Lefebvre = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.
\$ *Isothecium alopecuroides* var. *circinans* = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
Isothecium alopecuroides f. *robustum* (C. Jens.) Hébrard = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
Isothecium alopecuroides var. *robustum* (Schimp.) Düll = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
\$ *Isothecium alopecuroides* f. *scabra* = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
Isothecium alopecurum (Hedw.) Spruce = ***Thamnobryum alopecurum*** (Hedw.) Gangulee
Isothecium apiculatum (Sommerf.) Huebener = ***Myurella tenerrima*** (Brid.) Lindb.
Isothecium atlanticum Hedenäs = ***Isothecium algarvicum*** W.E. Nicholson & Dixon
Isothecium bornmuelleri Schiffn. = ***Isothecium myosuroides*** Brid.
Isothecium canariense H. Winter = ***Isothecium algarvicum*** W.E. Nicholson & Dixon
Isothecium catenulatum Brid. = ***Pseudolekeella catenulata*** (Brid. ex Schrad.) Kindb.
Isothecium chryseon (Schwägr.) Spruce = ***Orthothecium chryseon*** (Schwägr.) Schimp.
Isothecium circinans Saut. = ***Isothecium alopecuroides*** (Lam. ex Dubois) Isov.
Isothecium eumyosuroides Dixon *nom. illeg.* = ***Isothecium myosuroides*** Brid.
Isothecium filescens (Brid.) Mönk. = ***Plasteurhynchium striatulum*** (Spruce) M. Fleisch.
Isothecium intricatum (Hartm.) Boulay = ***Orthothecium intricatum*** (Hartm.) Schimp.
Isothecium julaceum (Schwägr.) Brid. = ***Myurella julacea*** (Schwägr.) Schimp.
Isothecium marocanum Thér. & Meyl. = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
Isothecium moniliforme Huebener = ***Myurella julacea*** (Schwägr.) Schimp.
Isothecium myosuroides var. *bornmuelleri* (Schiffn.) Geh. & Herzog = ***Isothecium myosuroides*** Brid.
Isothecium myosuroides var. *humilis* Grav. ex Paris = ***Isothecium myosuroides*** Brid.
Isothecium myosuroides Brid. var. *mysuroides* = ***Isothecium myosuroides*** Brid. subsp. ***mysuroides***
Isothecium myosuroides var. *robustum* Schimp. = ***Isothecium myosuroides*** Brid.

- Isothecium myosuroides* var. *tenuinerve* (Kindb.) Braith. = *Isothecium myosuroides* subsp. *brevinerve* Lindb.
Isothecium myurum Brid. = *Isothecium alopecuroides* (Lam. ex Dubois) Isov.
Isothecium myurum var. *circinans* (Saut.) Schimp. = *Isothecium alopecuroides* (Lam. ex Dubois) Isov.
Isothecium myurum var. *elongatum* Schimp. = *Isothecium alopecuroides* (Lam. ex Dubois) Isov.
Isothecium myurum var. *robustum* Schimp. = *Isothecium alopecuroides* (Lam. ex Dubois) Isov.
Isothecium myurum var. *vermiculare* Molendo = *Isothecium alopecuroides* (Lam. ex Dubois) Isov.
Isothecium ornithopodioides Boulay nom. illeg. incl. spec. prior. = *Nogopterium gracile* (Hedw.) Crosby & W.R. Buck
Isothecium philippeanum Spruce = *Homalothecium philippeanum* (Spruce) Schimp.
Isothecium polyanthum (Hedw.) Spruce = *Pylaisia polyantha* (Hedw.) Schimp.
Isothecium rufescens (Dicks. ex Brid.) Huebener = *Orthothecium rufescens* (Dicks. ex Brid.) Schimp.
Isothecium sericeum (Hedw.) Spruce = *Homalothecium sericeum* (Hedw.) Schimp.
Isothecium sericeum var. *fallax* (H. Philib. ex Schimp.) Boulay = *Homalothecium lutescens* var. *fallax* H. Philib. ex Schimp.
Isothecium stoloniferum Hook. ex Brid. = *Isothecium myosuroides* Brid. var. *myosuroides*
Isothecium striatulum (Spruce) Kindb. = *Plasteurhynchium striatulum* (Spruce) M. Fleisch.
Isothecium striatum (Schwägr.) Spruce = *Lescuraea mutabilis* (Brid.) Lindb. ex I. Hagen
Isothecium striatum var. *saxicola* (Schimp.) I. Hagen = *Lescuraea saxicola* (Schimp.) Milde
Isothecium strictum (Lorentz) Boulay = *Orthothecium strictum* Lorentz
Isothecium trachypodium Brid. = *Brachytheciastrum trachypodium* (Brid.) Ignatov & Huttunen
Isothecium viviparum Lindb. = *Isothecium alopecuroides* (Dubois) Isov.
Isothecium viviparum var. *gracilius* (Besch.) Jelenc = *Isothecium alopecuroides* (Dubois) Isov.
Isothecium viviparum var. *scabridum* Limpr. = *Isothecium alopecuroides* (Dubois) Isov.

K

- Kindbergia praelonga* var. *stokesii* (Turner) Ochyra = *Kindbergia praelonga* (Hedw.) Ochyra

L

- Lasia smithii* (Hedw.) Brid. = *Leptodon smithii* (Hedw.) F. Weber & D. Mohr
Leersia affinis (R. Hedw.) Lindb. = *Encalypta affinis* R. Hedw.
Leersia alpina (Sm.) Lindb. = *Encalypta alpina* Sm.
Leersia ciliata Hedw. nom. inval. = *Encalypta ciliata* Hedw.
Leersia contorta Lindb. = *Encalypta streptocarpa* Hedw.
Leersia extinctoria Lindb. nom. illeg. incl. spec. prior. = *Encalypta vulgaris* Hedw.
Leersia laciniata Hedw. ex Lindb. nom. illeg. incl. spec. prior. = *Encalypta ciliata* Hedw.
Leersia longicollis (Bruch) Lindb. = *Encalypta longicollis* Bruch
Leersia rhabdocarpa (Schwägr.) Lindb. = *Encalypta rhabdocarpa* Schwägr.
Leersia vulgaris Hedw. nom. inval. = *Encalypta vulgaris* Hedw.
Lepidopilum fontanum Mitt. = *Tetrastichium fontanum* (Mitt.) Cardot
Lepidopilum virens Cardot = *Tetrastichium virens* (Cardot) S.P. Churchill
Leptobarbula meridionalis Schimp. = *Leptobarbula berica* (De Not.) Schimp.
Leptobarbula tenuis (Hedw.) Schimp. nom. inval. in synonym. err. pro *Leptotrichum tenue* (Hedw.) Müll. Hal. = *Ditrichum pusillum* (Hedw.) Hampe
Leptobryum lutescens (Limpr.) Mönk. = *Pohlia lutescens* (Limpr.) H. Lindb.
Leptobryum minus H. Philib. = *Leptobryum pyriforme* (Hedw.) Wilson

- Leptobryum pyriforme* var. *minus* (H. Philib.) Husn. = *Leptobryum pyriforme* (Hedw.) Wilson
- Leptodictyum humile* (P. Beauv.) Ochyra = *Hygroamblystegium varium* var. *humile* (P. Beauv.) Vanderp. & Hedenäs
- Leptodictyum kochii* (Schimp.) Warnst. = *Hygroamblystegium varium* var. *humile* (P. Beauv.) Vanderp. & Hedenäs
- Leptodictyum kurdicum* (Schiffn.) Broth. [51]
- Leptodictyum riparium* var. *cylindricum* (Buyss.) Wijk & Margad. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum riparium* var. *distichum* Boulay = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum riparium* var. *elongatum* Schimp. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum riparium* var. *inundatum* Schimp. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum riparium* var. *longifolium* (Schultz) Warnst. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum riparium* var. *subsecundum* (Schimp.) Warnst. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum riparium* var. *trichopodium* (Schultz) Thér. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodictyum trichopodium* (Schultz) Warnst. = *Leptodictyum riparium* (Hedw.) Warnst.
- Leptodon smithii* var. *filescens* Renauld *nom. nud.* = *Leptodon smithii* (Hedw.) F. Weber & D. Mohr
- Leptodontium arsenei* Thér. = *Bryoerythrophyllum ferruginascens* (Stirt.) Giacom.
- Leptodontium norvegicum* Kaal. = *Bartramia pomiformis* Hedw.
- Leptodontium therioüii* (Corb.) Broth. = *Dichodontium pellucidum* (Hedw.) Schimp.
- Leptohyemium gracile* (Hedw.) Huebener = *Nogopterium gracile* (Hedw.) Crosby & W.R. Buck
- Leptotrichum bericum* De Not. = *Leptobarbula berica* (De Not.) Schimp.
- Leptotrichum cylindricum* (Hedw.) Venturi & Bott. = *Trichodon cylindricus* (Hedw.) Schimp.
- Leptotrichum flexicaule* (Schwägr.) Hampe = *Ditrichum flexicaule* (Schwägr.) Hampe
- Leptotrichum flexicaule* var. *densum* (Bruch & Schimp.) Schimp. = *Ditrichum flexicaule* (Schwägr.) Hampe
- Leptotrichum flexicaule* var. *longifolium* J.E. Zetterst. = *Ditrichum gracile* (Mitt.) Kuntze
- Leptotrichum glaucescens* (Hedw.) Hampe = *Saelania glaucescens* (Hedw.) Broth.
- Leptotrichum homomallum* (Hedw.) Hampe = *Ditrichum heteromallum* (Hedw.) Britt.
- Leptotrichum homomallum* var. *strictum* Schimp. = *Ditrichum heteromallum* (Hedw.) Britt.
- Leptotrichum molendoanum* Lorentz *nom. nud. in synonym.* = *Ditrichum zonatum* (Brid.) Kindb.
- Leptotrichum nivale* Müll. Hal. = *Ditrichum pusillum* (Hedw.) Hampe
- Leptotrichum pallidum* (Hedw.) Hampe = *Ditrichum pallidum* (Hedw.) Hampe
- Leptotrichum subulatum* Hampe *nom. illeg. incl. spec. prior.* = *Ditrichum subulatum* Hampe
- # *Leptotrichum subulatum* var. *purpurascens* Machado-Guim. = *Ditrichum subulatum* Hampe
- Leptotrichum tortile* (Schrad.) Hampe = *Ditrichum pusillum* (Hedw.) Hampe
- Leptotrichum vaginans* (Sull.) Molendo = *Ditrichum lineare* (Sw.) Lindb.
- Leptotrichum vaginans* var. *brevifolium* Grav. *nom. illeg. incl. var. prior.* = *Ditrichum lineare* (Sw.) Lindb.
- Leptotrichum vaginans* var. *glaciale* (Schimp.) Schimp. = *Ditrichum pusillum* (Hedw.) Hampe
- Leptotrichum vaginans* var. *nivale* (Müll. Hal.) Jur. = *Ditrichum pusillum* (Hedw.) Hampe
- Leratia obtusifolia* (Hook.) Goffinet = *Zygodon obtusifolius* Hook.
- Lescuraea atrovirens* (Dicks. ex Brid.) Kindb. = *Lescuraea incurvata* (Hedw.) E. Lawton
- Lescuraea decipiens* (Limpr.) Loeske = *Lescuraea saxicola* (Schimp.) Molendo
- Lescuraea denudata* (Kindb.) Mönk. = *Lescuraea radicata* (Mitt.) Mönk.
- Lescuraea filamentosa* (Dicks. ex With) Lindb. = *Lescuraea incurvata* (Hedw.) E. Lawton
- Lescuraea mutabilis* var. *decipiens* (Limpr.) Mönk. = *Lescuraea saxicola* (Schimp.) Molendo

- Lescuraea mutabilis* var. *saxicola* (Schimp.) I. Hagen = *Lescuraea saxicola* (Schimp.) Molendo
- § *Lescuraea mutabilis* subsp. *striata* = *Lescuraea mutabilis* (Brid.) Lindb.
- Lescuraea radicata* var. *denudata* (Kindb.) E. Lawton = *Lescuraea radicata* (Mitt.) Mönk.
- Lescuraea striata* (Schwägr.) Schimp. *nom. illeg. incl. spec. prior.* = *Lescuraea mutabilis* (Brid.) Lindb. *ex* I. Hagen
- Lescuraea striata* var. *saxicola* Schimp. = *Lescuraea saxicola* (Schimp.) Molendo
- Leskea atrovirens* (Dicks. *ex* Brid.) Hartm = *Pseudoleskea incurvata* (Hedw.) Loeske
- Leskea attenuata* Hedw. = *Anomodon attenuatus* (Hedw.) Huebener
- Leskea brachyclados* Schwägr. [384]
- Leskea brevifolia* Lindb. *p. p.* = *Leskea polycarpa* Hedw.
- Leskea brevifolia* Lindb. *p. p.* = *Heterocladium heteropterum* (Brid.) Schimp.
- Leskea catenulata* (Brid. *ex* Schrad.) Mitt. = *Pseudoleskeella catenulata* (Brid. *ex* Schrad.) Kindb.
- Leskea complanata* Hedw. = *Alleniella complanata* (Hedw.) S. Olsson, Enroth & D. Quandt
- Leskea dendroides* Hedw. = *Climacium dendroides* (Hedw.) F. Weber & D. Mohr
- Leskea fragilis* Hook. f. & Wilson = *Anomodon tristis* (Ces.) Sull. & Lesq.
- Leskea incurvata* Hedw. = *Pseudoleskea incurvata* (Hedw.) Loeske
- Leskea intricata* Hartm. = *Orthothecium intricatum* (Hartm.) Schimp.
- Leskea irrorata* Sendtn. *nom. nud.* = *Orthothecium intricatum* (Hartm.) Schimp.
- Leskea latebricola* (Schimp.) Wilson = *Plagiothecium latebricola* Schimp.
- Leskea longifolia* (Schleich. *ex* Brid.) Spruce = *Anomodon longifolius* (Schleich. *ex* Brid.) Hartm.
- Leskea marchica* Willd. *nom. inval.* = *Philonotis marchica* (Hedw.) Brid.
- Leskea micans* (Mitt.) Hobk. = *Hageniella micans* (Mitt.) B.C. Tan & Y. Jia
- Leskea mutabilis* (Brid.) Boulay = *Lescuraea mutabilis* (Brid.) Lindb.
- Leskea myura* (Brid.) Boulay = *Isothecium alopecuroides* (Lam. *ex* Dubois) Isov.
- Leskea nervosa* (Brid.) Myrin = *Pseudoleskeella nervosa* (Brid.) Nyholm
- Leskea norvegica* Sommerf. = *Pseudoleskeella nervosa* (Brid.) Nyholm
- Leskea paludosa* Hedw. = *Leskea polycarpa* Ehrh. *ex* Hedw.
- Leskea patens* Lindb. *nom. nud.* = *Lescuraea patens* Lindb.
- Leskea philippeana* (Spruce) Boulay = *Homalothecium philippeanum* (Spruce) Schimp.
- Leskea pilifera* Sw. = *Plagiothecium piliferum* (Sw.) Schimp.
- Leskea polyantha* Hedw. = *Pylaisia polyantha* (Hedw.) Schimp.
- Leskea polycarpa* var. *exilis* (Starke) Milde = *Leskea polycarpa* Hedw.
- Leskea polycarpa* var. *paludosa* (Hedw.) Schimp. = *Leskea polycarpa* Hedw.
- Leskea polycarpa* var. *tenella* Schimp. = *Leskea polycarpa* Hedw.
- Leskea prolixa* Mitt. = *Echinodium prolixum* (Mitt.) Broth.
- Leskea pulvinata* Wahlenb. = *Myrinia pulvinata* (Wahlenb.) Schimp.
- Leskea rostrata* Hedw. = *Anomodon rostratus* (Hedw.) Schimp.
- Leskea rufescens* (Dicks. *ex* Brid.) Schwägr. = *Orthothecium rufescens* (Dicks. *ex* Brid.) Schimp.
- Leskea rupestris* Berggr. = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & L. Söderstr.
- Leskea sericea* Hedw. = *Homalothecium sericeum* (Hedw.) Schimp.
- Leskea setigera* Mitt. = *Echinodium setigerum* (Mitt.) Jur.
- Leskea spinosa* Mitt. = *Echinodium spinosum* (Mitt.) Jur.
- Leskea sprucei* Bruch = *Platydictya jungermannioides* (Brid.) H.A. Crum
- Leskea striatella* Brid. = *Herzogiella striatella* (Brid.) Z. Iwats.
- Leskea stricta* (Lorentz) Lindb. = *Orthothecium strictum* Lorentz
- Leskea subenervis* Schwägr. = *Myrinia pulvinata* (Wahlenb.) Schimp.
- Leskea subrufa* Wilson *nom. illeg. incl. spec. prior.* = *Orthothecium intricatum* (Hartm.) Schimp.
- Leskea subsectorum* Thér. = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & L. Söderstr.
- Leskea subtilis* Hedw. = *Pseudoamblystegium subtile* (Hedw.) Vanderp. & Hedenäs

- Leskea tectorum* (Funck ex Brid.) Lindb. = *Pseudoleskeella tectorum* (Funck ex Brid.) Kindb. ex Broth.
- Leskea trichomanoides* Hedw. = *Homalia trichomanoides* (Hedw.) Schimp.
- Leskea tristis* Ces. = *Anomodon tristis* (Ces.) Sull. & Lesq.
- Leskea varia* Hedw. = *Hygroamblystegium varium* (Hedw.) Mönk.
- Leskea viticulosa* (Hedw.) Spruce = *Anomodon viticulosus* (Hedw.) Hook. & Taylor
- Leskeella incrassata* (Lindb. ex Brid.) Broth. = *Pseudoleskeella nervosa* (Brid.) Nyholm
- Leskeella nervosa* (Brid.) Loeske = *Pseudoleskeella nervosa* (Brid.) Nyholm
- Leskeella tectorum* (Funck ex Brid.) I. Hagen = *Pseudoleskeella tectorum* (Funck ex Brid.) Kindb. ex Broth.
- Lesquereuxia filamentosa* (Dicks. ex With) Lindb. *nom. inval. orthogr.* = *Pseudoleskea incurvata* (Hedw.) Loeske
- Lesquereuxia plicata* (Schleich. ex F. Weber & D. Mohr) Lindb. *nom. inval.* = *Lescuraea plicata* (Schleich. ex F. Weber & D. Mohr) Broth.
- Lesquereuxia saxicola* Lindb. *nom. inval.* = *Lescuraea saxicola* (Schimp.) Milde
- Lesquereuxia striata* (Schwägr.) Lindb. *nom. inval.* = *Lescuraea mutabilis* (Brid.) Lindb.
- Lesquereuxia striata* var. *saxicola* (Schimp.) Lindb. *nom. inval.* = *Lescuraea saxicola* (Schimp.) Molendo
- Leucobryum albidum auct. eur. non* (P. Beauv.) Lindb. = *Leucobryum juniperoideum* (Brid.) Müll. Hal.
- Leucobryum glaucum* subsp. *albidum* (P. Beauv.) Dixon = *Leucobryum albidum* (P. Beauv.) Lindb.
- Leucobryum glaucum* subsp. *albidum auct. eur. non* (P. Beauv.) Dixon = *Leucobryum juniperoideum* (Brid.) Müll. Hal.
- Leucobryum glaucum* var. *albidum auct. eur. non* (P. Beauv.) Cardot = *Leucobryum juniperoideum* (Brid.) Müll. Hal.
- Leucobryum glaucum* var. *albidum* (P. Beauv.) Cardot = *Leucobryum albidum* (P. Beauv.) Lindb.
- Leucobryum glaucum* var. *minus* (Hampe) A. Jaeger *hom. illeg.* = *Leucobryum juniperoideum* (Brid.) Müll. Hal.
- Leucobryum madeirense* Schiffn. = *Leucobryum albidum* (P. Beauv.) Lindb.
- Leucobryum minus* Hampe = *Leucobryum juniperoideum* (Brid.) Müll. Hal.
- Leucodon balcanicus* Velen. = *Leucodon sciuroides* (Hedw.) Schwägr.
- Leucodon brevisetus* Podp. *nom. nud. in synonym.* = *Leucodon sciuroides* (Hedw.) Schwägr.
- Leucodon canariensis* var. *treleasei* (Cardot) M. Fleisch. = *Leucodon treleasei* (Cardot) Paris
- Leucodon caucasicus* Jur. & Milde = *Leucodon immersus* Lindb.
- Leucodon morensis* Schwägr. = *Leucodon sciuroides* (Hedw.) Schwägr.
- Leucodon sciuroides* var. *falcatus* Podp. *hom. illeg.* = *Leucodon sciuroides* (Hedw.) Schwägr.
- Leucodon sciuroides* var. *teneriffae* Renaud & Cardot = *Leucodon sciuroides* (Hedw.) Schwägr.
- # *Leucodon treleasei* var. *latifolium* Cardot = *Leucodon treleasei* (Cardot) Paris
- Limnobium alpestre* (Sw. ex Hedw.) Schimp. = *Hygrohypnum alpestre* (Sw. ex Hedw.) Loeske
- Limnobium alpinum* (Lindb.) G. Roth = *Hygrohypnum alpinum* (Lindb.) Loeske
- Limnobium arcticum* (Sommerf.) Schimp. = *Hygrohypnum smithii* (Sw.) Broth.
- Limnobium cochlearifolium* Venturi = *Hygrohypnum cochlearifolium* (Venturi) Broth.
- Limnobium dilatatum* (Wilson) Venturi & Bott. = *Hygrohypnum duriusculum* (De Not.) D.W. Jamieson
- Limnobium eugyrium* Schimp. = *Hygrohypnum eugyrium* (Schimp.) Broth.
- Limnobium molle* (Hedw.) Schimp. = *Hygrohypnum molle* (Hedw.) Loeske
- Limnobium ochraceum* (Turner ex Wilson) Schimp. = *Hygrohypnum ochraceum* (Turner ex Wilson) Loeske
- Limnobium palustre* Schimp. *nom. illeg. incl. spec. prior.* = *Hygrohypnum luridum* (Hedw.) Jenn.
- Limnobium palustre* var. *hamulosum* Schimp. *nom. illeg.* = *Hygrohypnum luridum* (Hedw.) Jenn.

- Limnobia palustre* var. *julaceum* Schimp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
Limnobia palustre var. *laxum* Schimp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
Limnobia palustre var. *subsphaericarpon* (Schleich. ex Brid.) Schimp. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
Limnobia subsphaericarpon (Schleich. ex Brid.) De Not. = ***Hygrohypnum luridum*** (Hedw.) Jenn.
Limprichtia cossonii (Schimp.) L.E. Anderson, H.A. Crum & W.R. Buck = ***Scorpidium cossonii*** (Schimp.) Hedenäs
Limprichtia revolvens (Sw. ex anon.) Loeske = ***Scorpidium revolvens*** (Sw. ex anon.) Rubers

M

- Macromitrium nigrescens* Kunze = ***Ptychomitrium nigrescens*** (Kunze) Wijk & Margad.
Macromitrium tenerum Kunze = ***Ptychomitrium nigrescens*** (Kunze) Wijk & Margad.
Maireola atlantica Thér. & Trab. = ***Distichium inclinatum*** (Hedw.) Bruch & Schimp.
Meesia alpina Funck ex Bruch = ***Meesia uliginosa*** Hedw.
Meesia dealbata Sw ex Hedw. = ***Amblyodon dealbatus*** (Sw. ex Hedw.) P. Beauv.
Meesia demissa (Hook.) Hoppe & Hornsch. = ***Plagiobryum demissum*** (Hook.) Lindb.
Meesia minor Brid. = ***Meesia uliginosa*** Hedw.
Meesia trichodes Spruce nom. illeg. incl. spec. prior. = ***Meesia uliginosa*** Hedw.
Meesia trichodes var. *alpina* (Bruch) Braithw. nom. illeg. = ***Meesia uliginosa*** Hedw.
Meesia trichoides var. *minor* (Brid) Braithw. nom. illeg. = ***Meesia uliginosa*** Hedw.
Meesia trifaria H.A. Crum, Steere & L.E. Anderson nom. illeg. incl. spec. prior. = ***Meesia triquetra*** (L. ex Jolycl.) Ångstr.
Meesia tristicha Bruch nom. illeg. incl. spec. prior. = ***Meesia triquetra*** (L. ex Jolycl.) Ångstr.
Meesia uliginosa var. *alpina* (Funck ex Bruch) Hampe = ***Meesia uliginosa*** Hedw.
Meesia uliginosa var. *minor* Schwägr. = ***Meesia uliginosa*** Hedw.
Merceya ligulata (Spruce) Schimp. = ***Scopelophila ligulata*** (Spruce) Spruce
Metaneckera menziesii (Drumm.) Steere = ***Neckera menziesii*** Drumm.
Microbryum davallianum var. *commutatum* (Limpr.) R.H. Zander = ***Microbryum davallianum*** (Sm.) R.H. Zander
Microbryum piptocarpum (Durieu & Mont.) J. Guerra & M.J. Cano = ***Microbryum curvicollum*** (Hedw.) R.H. Zander
Microbryum starckeanum var. *brachyodus* (Bruch & Schimp.) R.H. Zander = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
Microbryum vlassovii (Laz.) R.H. Zander = ***Tortula vlassovii*** (Laz.) Ros & Herrnst.
Micropoma niloticum (Delile) Lindb. = ***Physcomitrium niloticum*** (Delile) Müll. Hal.
Microstegium niloticum (Delile) Lindb. = ***Physcomitrium niloticum*** (Delile) Müll. Hal.
Microthuidium minutulum (Hedw.) Warnst. = ***Pelekium minutulum*** (Hedw.) Touw
Mildeella bryoides (Dicks.) Limpr. = ***Tortula protobryoides*** R.H. Zander
Mielichhoferia compacta (Hoppe & Hornsch.) Lindb. hom. illeg. incl. spec. prior. = ***Mielichhoferia mielichhoferiana*** (Funck) Loeske
Mielichhoferia copepei Cardot = ***Bryum cellulare*** Hook.
Mielichhoferia mielichhoferi (Hook.) Wijk & Margad. nom. inval. = ***Mielichhoferia mielichhoferiana*** (Funck) Loeske
Mielichhoferia mielichhoferiana var. *elongata* (Hoppe & Hornsch.) Wijk & Margad. = ***Mielichhoferia elongata*** (Hoppe & Hornsch.) Nees & Hornsch.
Mielichhoferia nitida Nees & Hornsch. nom. illeg. incl. spec. prior. = ***Mielichhoferia mielichhoferiana*** (Funck) Loeske
Mielichhoferia nitida var. *elongata* (Hoppe & Hornsch.) Bruch & Schimp. = ***Meesia elongata*** (Hoppe & Hornsch.) Nees & Hornsch.
Mielichhoferia nitida var. *gracilis* Bruch & Schimp. = ***Mielichhoferia mielichhoferiana*** (Funck) Loeske
Mielichhoferia notarisii (Mitt.) Jur = ***Brachymerium notarisii*** (Mitt.) A.J. Shaw
Mielichhoferia pontevedrensis Luisier = ***Schizymerium pontevedrense*** (Luisier) Sérgio, Casas, Cros & Brugués

- Mniobryum albicans* (Wahlenb.) Limpr. *nom. illeg. incl. spec. prior.* = ***Pohlia wahlenbergii*** (F. Weber & D. Mohr) A.L. Andrews
- Mniobryum albicans* var. *calcareum* (Warnst.) Mönk. = ***Pohlia wahlenbergii*** var. *calcareum* (Warnst.) E.F. Warb.
- Mniobryum albicans* var. *glaciale* (Brid.) Limpr. = ***Pohlia wahlenbergii*** var. *glacialis* (Brid.) E.F. Warb.
- Mniobryum atropurpureum* (Wahlenb.) I. Hagen = ***Pohlia atropurpurea*** (Wahlenb.) H. Lindb.
- Mniobryum calcareum* (Warnst.) Limpr. = ***Pohlia wahlenbergii*** var. *calcareum* (Warnst.) E.F. Warb.
- Mniobryum carneum* (F. Weber & D. Mohr) Limpr. *nom. illeg. incl. spec. prior.* = ***Pohlia melanodon*** (Brid.) A.J. Shaw
- Mniobryum carneum* f. *integrifolia* P. de la Varde *ex Jelenc nom. nud.* [288]
- # *Mniobryum carneum* var. *tenerrimum* Cardot & Copp. *nom. illeg.* = ***Pohlia melanodon*** (Brid.) A.J. Shaw
- Mniobryum delicatulum* (Hedw.) Dixon = ***Pohlia melanodon*** (Brid.) A.J. Shaw
- Mniobryum ludwigii* (Spreng. *ex Schwägr.*) Loeske = ***Pohlia ludwigii*** (Spreng. *ex Schwägr.*) Broth.
- Mniobryum lutescens* (Limpr.) Loeske = ***Pohlia lutescens*** (Limpr.) H. Lindb.
- Mniobryum pulchellum* (Hedw.) Loeske = ***Pohlia lescuriana*** (Sull.) Ochi
- Mniobryum sudeticum* Podp. = ***Pohlia ludwigii*** (Spreng. *ex Schwägr.*) Broth.
- Mniobryum vexans* Limpr. = ***Pohlia vexans*** (Limpr.) H. Lindb.
- Mniobryum wahlenbergii* (F. Weber & D. Mohr) Jenn. = ***Pohlia wahlenbergii*** (F. Weber & D. Mohr) A.L. Andrews
- Mniobryum wahlenbergii* var. *calcareum* (Warnst.) Wijk & Margad. = ***Pohlia wahlenbergii*** var. *calcareum* (Warnst.) E.F. Warb.
- Mnium affine* Blandow *ex Funck* = ***Plagiomnium affine*** (Blandow *ex Funck*) T.J. Kop.
- Mnium affine* var. *elatum* Bruch & Schimp. = ***Plagiomnium elatum*** (Bruch & Schimp.) T.J. Kop.
- Mnium affine* var. *humile* Milde = ***Plagiomnium cuspidatum*** (Hedw.) T.J. Kop.
- Mnium affine* var. *integrifolium* (Lindb.) Milde = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Mnium affine* var. *medium* (Bruch & Schimp.) Husn. = ***Plagiomnium medium*** (Bruch & Schimp.) T.J. Kop.
- Mnium affine* var. *rugicum* (Laurer) Bruch & Schimp. = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Mnium affine* var. *rutheanum* (Warnst.) Mönk. = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Mnium albicans* Wahlenb. *nom. illeg.* = ***Pohlia wahlenbergii*** (F. Weber & D. Mohr) A.L. Andrews
- Mnium ambiguum* H. Müll. = ***Mnium lycopodioides*** Schwägr.
- Mnium androgynum* (Hedw.) Lindb. = ***Aulacomnium androgynum*** (Hedw.) Sm.
- Mnium australe* Besch. = ***Plagiomnium undulatum*** (Hedw.) T.J. Kop.
- Mnium arcuatum* Dicks. & With. = ***Breutelia chrysocoma*** (Hedw.) Lindb.
- Mnium austriacum* (Hedw.) Spreng. = ***Timmia austriaca*** Hedw.
- Mnium caespiticium* var. *warneum* Röhl. = ***Bryum warneum*** (Röhl.) Brid.
- Mnium capillaceum* Sw. *nom. inval.* = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
- Mnium capillare* (Hedw.) With. = ***Ptychostomum capillare*** (Hedw.) Holyoak & N. Pedersen
- Mnium carneum* Hoffm. *ex P. Beauv.* = ***Pohlia melanodon*** (Brid.) A.J. Shaw
- Mnium ciliare* (Müll. Hal.) Schimp. = ***Plagiomnium affine*** (Blandow *ex Funck*) T.J. Kop.
- Mnium cinclidioides* Huebener = ***Pseudobryum cinclidioides*** (Huebener) T.J. Kop.
- Mnium confertidens* (Lindb. & Arnell) Kindb. = ***Plagiomnium confertidens*** (Lindb. & Arnell) T.J. Kop.
- Mnium cuspidatum* Hedw. = ***Plagiomnium cuspidatum*** (Hedw.) T.J. Kop.
- Mnium cuspidatum* Neck. *ex Lindb. hom. illeg.* = ***Plagiomnium affine*** (Blandow *ex Funck*) T.J. Kop.

- Mnium cuspidatum* Neck. ex Lindb. *hom. illeg.* = ***Plagiomnium affine*** (Blandow ex Funck) T.J. Kop.
- Mnium cyclophyllum* Schwägr. = ***Bryum cyclophyllum*** (Schwägr.) Bruch & Schimp.
- Mnium dioicum* H. Müll. = ***Mnium marginatum*** var. *dioicum* (H. Müll.) Crundw.
- Mnium ellipticum* Brid. = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Mnium fontanum* Hedw. = ***Philonotis fontana*** (Hedw.) Brid.
- Mnium glaucum* (Hedw.) J.F. Gmel. ex With. = ***Leucobryum glaucum*** (Hedw.) Ångstr.
- Mnium hygrometricum* (Hedw.) With. = ***Funaria hygrometrica*** Hedw.
- Mnium hymenophylloides* Huebener = ***Cyrtomnium hymenophylloides*** (Huebener) T.J. Kop.
- Mnium insigne* Mitt. = ***Plagiomnium elatum*** (Bruch & Schimp.) T.J. Kop.
- Mnium lacustre* (F. Weber & D. Mohr) Röhl. = ***Bryum knowltonii*** Barnes
- Mnium latifolium* Schwägr. = ***Bryum schleicheri*** DC.
- Mnium longirostre* Brid. *nom. illeg. incl. spec. prior.* = ***Plagiomnium rostratum*** (Schrad.) T.J. Kop.
- Mnium lycopodioides* subsp. *orthorrhynchum* (Hartm.) Wijk & Margad. = ***Mnium thomsonii*** Schimp.
- Mnium magnifolium* Horik. = ***Rhizomnium magnifolium*** (Horik.) T.J. Kop.
- Mnium marginatum* var. *aristatum* Thér. & Trab. = ***Mnium marginatum*** (Dicks.) P. Beauv.
- Mnium marginatum* var. *riparium* (Mitt.) Husn. = ***Mnium marginatum*** var. *dioicum* (H. Müll.) Crundw.
- Mnium medium* Bruch & Schimp. = ***Plagiomnium medium*** (Bruch & Schimp.) T.J. Kop.
- Mnium orthorrhynchum* Brid. = ***Atrichum tenellum*** (Röhl.) Bruch & Schimp.
- Mnium orthorrhynchum* auct. = ***Mnium thomsonii*** Schimp.
- Mnium orthorrhynchum* subsp. *lycopodioides* (Schwägr.) Podp. = ***Mnium lycopodiodes*** Schwägr.
- Mnium orthorrhynchum* var. *lycopodioides* (Schwägr.) Husn. = ***Mnium lycopodiodes*** Schwägr.
- Mnium osmundaceum* Dicks. *nom. inval.* = ***Schistostega pennata*** (Hedw.) F. Weber & D. Mohr
- Mnium palustre* Hedw. = ***Aulacomnium palustre*** (Hedw.) Schwägr.
- Mnium pellucidum* (Hedw.) With. = ***Tetraphis pellucida*** Hedw.
- Mnium polycephalum* Brid. = ***Aulacomnium palustre*** (Hedw.) Schwägr.
- Mnium polytrichoides* Balb. = ***Pogonatum nanum*** (Schreb. ex Hedw.) P. Beauv.
- Mnium pseudopunctatum* Bruch & Schimp. = ***Rhizomnium pseudopunctatum*** (Bruch & Schimp.) T.J. Kop.
- Mnium pseudotriquetrum* Hedw. = ***Ptychostomum pseudotriquetrum*** (Hedw.) J.R. Spence & H.P. Ramsay
- Mnium punctatum* Hedw. = ***Rhizomnium punctatum*** (Hedw.) T.J. Kop.
- Mnium punctatum* f. *brevinervium* Jelenc [374]
- Mnium punctatum* var. *elatum* Schimp. = ***Rhizomnium magnifolium*** (Horik.) T.J. Kop.
- Mnium purpureum* (Hedw.) With. = ***Ceratodon purpureus*** (Hedw.) Brid.
- Mnium pyriforme* (Hedw.) Funck = ***Leptobryum pyriforme*** (Hedw.) Wilson
- Mnium riparium* Mitt. = ***Mnium marginatum*** var. *dioicum* (H. Müll.) Crundw.
- Mnium roseum* Hedw. = ***Rhodobryum roseum*** (Hedw.) Limpr.
- Mnium rostratum* Schrad. = ***Plagiomnium rostratum*** (Schrad.) T.J. Kop.
- Mnium rugicum* Laur. = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Mnium seligeri* Jur. = ***Plagiomnium elatum*** (Bruch & Schimp.) T.J. Kop.
- Mnium serpyllifolium* Neck. ex J. St. Hil. *nom. illeg. incl. spec. prior.* = ***Rhizomnium punctatum*** (Hedw.) T.J. Kop.
- Mnium serpyllifolium* var. *undulatum* (Dedw.) Jolycl. = ***Plagiomnium undulatum*** (Hedw.) T.J. Kop.
- Mnium serratum* Brid. = ***Mnium marginatum*** (Dicks. ex With.) P. Beauv.
- Mnium silvaticum* Lindb. = ***Plagiomnium cuspidatum*** (Hedw.) T.J. Kop.
- Mnium stellare* var. *integerrimum* Corb. = ***Mnium stellare*** Hedw.
- Mnium stygium* (Sw.) Bruch & Schimp. = ***Cinclidium stygium*** Sw.

- Mnium subglobosum* Bruch & Schimp. *nom. illeg. incl. spec. prior.* = ***Rhizomnium pseudopunctatum*** (Bruch & Schimp.) T.J. Kop.
Mnium trichodes L. f. *nom. inval.* = ***Meesia uliginosa*** Hedw.
Mnium triquetrum L. ex Jolycl. = ***Meesia triquetra*** (L. ex Jolycl.) Ångstr.
Mnium turbinatum Hedw. = ***Bryum turbinatum*** (Hedw.) Turner
Mnium undulatum Hedw. = ***Plagiomnium undulatum*** (Hedw.) T.J. Kop.
Mnium undulatum var. *australe* (Besch.) Paris = ***Plagiomnium undulatum*** (Hedw.) T.J. Kop.
Mnium undulatum var. *kabylicum* Trab. *nom. inval. descr. gall.* [197]
Molendoa sendtneriana var. *tenuinervis* (Limpr.) Pilous *nom. inval.* = ***Molendoa tenuinervis*** Limpr.
Mollia aeruginosa (Sm.) Lindb. = ***Gymnostomum aeruginosum*** Sm.
Mollia brachydontia (Bruch) Lindb. = ***Trichostomum brachydontium*** Bruch
Mollia calcarea (Nees & Hornsch.) Lindb. = ***Gymnostomum calcareum*** Nees & Hornsch.
Mollia crispa (Hedw.) Lindb. = ***Weissia longifolia*** Mitt.
Mollia crispula (Bruch) Lindb. = ***Trichostomum crispulum*** Bruch
Mollia flavovirens (Bruch) Lindb. = ***Tortella flavovirens*** (Bruch) Broth.
Mollia microstoma (Hedw.) Lindb. = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
Mollia mucronata Lindb. = ***Weissia rutilans*** (Hedw.) Lindb.
Mollia rostellata (Brid.) Lindb. = ***Weissia rostellata*** (Brid.) Lindb.
Mollia squarrosa (Nees & Hornsch.) Lindb. = ***Weissia squarrosa*** (Nees & Hornsch.) Müll. Hal.
Mollia tenuis (Schrad. ex Hedw.) Lindb. = ***Gyroweisia tenuis*** (Schrad. ex Hedw.) Schimp.
Mollia tortilis (Schwägr.) Braith. = ***Weissia condensa*** (Voit) Lindb.
Mollia tortuosa var. *inclinata* (R. Hedw.) Lindb. = ***Tortella inclinata*** (R. Hedw.) Limpr.
Mollia verticillata (Hedw.) Lindb. = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
Mollia viridula Lindb. = ***Weissia controversa*** Hedw.
Mollia wimmeri Lindb. *nom. illeg. incl. spec. prior.* = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Myurella apiculata (Sommerf.) Schimp. = ***Myurella tenerrima*** (Brid.) Lindb.
Myurella careyana Sull. = ***Myurella sibirica*** (Müll. Hal.) Reimers
Myurium hebridarum Schimp. = ***Myurium hochstetteri*** (Schimp.) Kindb.
Myurium herjedalicum Schimp. = ***Brachythecium cirrosum*** (Schwägr.) Schimp.

N

- Nanomitrium tenerum* (Bruch & Schimp.) Lindb. = ***Micromitrium tenerum*** (Bruch & Schimp.) Crosby
Nanomitrium tenerum var. *longifolium* Limpr. = ***Ephemerum serratum*** (Hedw.) Hampe
Neckera attenuata (Hedw.) Myrin = ***Anomodon attenuatus*** (Hedw.) Huebener
Neckera baetica J. Guerra = ***Exsertotheca baetica*** (J. Guerra) Draper, González-Mancebo, O. Werner, J. Patiño & Ros
Neckera besseriana Broth. *nom. illeg. incl. spec. prior.* = ***Alleniella besseri*** (Lobarz.) S. Olsson, Enroth & D. Quandt
Neckera besseri (Lobarz.) Jur = ***Alleniella besseri*** (Lobarz.) S. Olsson, Enroth & D. Quandt
Neckera canariensis (Brid.) Brid. = ***Leucodon canariensis*** (Brid.) Schwägr.
Neckera cladorrhizans Hedw. = ***Entodon cladorrhizans*** (Hedw.) Müll. Hal.
Neckera complanata (Hedw.) Huebener = ***Alleniella complanata*** (Hedw.) S. Olsson, Enroth & D. Quandt
Neckera complanata var. *patens* (Boulay) Grav. = ***Alleniella complanata*** (Hedw.) S. Olsson, Enroth & D. Quandt
Neckera complanata var. *secunda* (Gravet) Velen. = ***Alleniella complanata*** (Hedw.) S. Olsson, Enroth & D. Quandt
Neckera complanata var. *tenella* Schimp. = ***Alleniella complanata*** (Hedw.) S. Olsson, Enroth & D. Quandt

- Neckera complanata* var. *vulgaris* (Boulay) Hérib. = *Alleniella complanata* (Hedw.) S. Olsson, Enroth & D. Quandt
- Neckera crispa* Hedw. = *Exsertotheca crispa* (Hedw.) S. Olsson, Enroth & D. Quandt
- Neckera crispa* var. *falcata* Boulay = *Exsertotheca crispa* (Hedw.) S. Olsson, Enroth & D. Quandt
- Neckera curtispindula* Timm ex Hedw. = *Antitrichia curtispindula* (Timm ex Hedw.) Brid.
- Neckera elegans* Jur. = *Exsertotheca intermedia* (Brid.) S. Olsson, Enroth & D. Quandt
- Neckera elegans* var. *laevifolia* Schiffn. = *Exsertotheca intermedia* (Brid.) S. Olsson, Enroth & D. Quandt
- Neckera fontinaloides* Lindb. *nom. illeg. incl. spec. prior.* = *Neckera pumila* Hedw.
- Neckera heteromalla* Hedw. = *Cryphaea heteromalla* (Hedw.) D. Mohr
- Neckera intermedia* Brid. = *Exsertotheca intermedia* (Brid.) S. Olsson, Enroth & D. Quandt
- Neckera intermedia* var. *laevifolia* (Schiffn.) Renaud & Cardot = *Exsertotheca intermedia* (Brid.) S. Olsson, Enroth & D. Quandt
- Neckera laevifolia* (Schiffn.) Cardot = *Exsertotheca intermedia* (Brid.) S. Olsson, Enroth & D. Quandt
- Neckera laeviuscula* Geh. in Herzog = *Exsertotheca intermedia* (Brid.) S. Olsson, Enroth & D. Quandt
- Neckera fontinaloides* Lindb. *nom. illeg. incl. spec. prior.* = *Neckera pumila* Hedw.
- Neckera heteromalla* Hedw. = *Cryphaea heteromalla* (Hedw.) D. Mohr
- Neckera leiophylla* Gümber ex Müll. Hal. = *Alleniella besseri* (Lobarz.) S. Olsson, Enroth & D. Quandt
- § *Neckera lucens* = *Hookeria lucens* (Hedw.) Sm.
- Neckera mediterranea* H. Philib. = *Neckera menziesii* Drumm.
- Neckera pennata* subsp. *cephalonica* (Jur. & Unger) Giacom. = *Neckera cephalonica* Jur. & Unger
- Neckera pennata* var. *cephalonica* (Jur. & Unger) Schimp. = *Neckera cephalonica* Jur. & Unger
- Neckera perpusilla* (De Not.) Müll. Hal. = *Habrodon perpusillus* (De Not.) Lindb.
- Neckera philippeana* Schimp. = *Neckera pumila* Hedw.
- Neckera pumila* var. *philippeana* (Schimp.) Milde *nom. illeg. incl. var. prior.* = *Neckera pumila* Hedw.
- Neckera pumila* var. *pilifera* Jur. = *Neckera pumila* Hedw.
- Neckera rotundifolia* Hartm. = *Alleniella besseri* (Lobarz.) S. Olsson, Enroth & D. Quandt
- Neckera sciuroides* (Hedw.) Müll. Hal. = *Leucodon sciuroides* (Hedw.) Schwägr.
- Neckera sendtneriana* Schimp. = *Alleniella besseri* (Lobarz.) S. Olsson, Enroth & D. Quandt
- Neckera splachnoides* Sm. = *Daltonia splachnoides* (Sm.) Hook. & Taylor
- Neckera splachnoides* (Froel. ex Brid.) Schwägr. *nom. illeg.* = *Anacamptodon splachnoides* (Froel. ex Brid.) Brid.
- Neckera subrecta* Mitt. = *Homalia lusitanica* Schimp.
- Neckera turgida* Jur. = *Neckera menziesii* Drumm.
- Neckera turgida* var. *jurassica* (J.J. Amann ex Limpr.) J.J. Amann = *Neckera menziesii* Drumm.
- Neckera turgida* var. *major* Boulay = *Neckera menziesii* Drumm.
- Neckera turgida* var. *minor* Boulay = *Neckera menziesii* Drumm.
- Neckera viticulosa* Hedw. = *Anomodon viticulosus* (Hedw.) Hook. & Taylor
- Neckera webbiana* (Mont.) Düll = *Homalia webbiana* (Mont.) Schimp.
- Neckera webbiana* auct. = *Alleniella besseri* (Lobarz.) S. Olsson, Enroth & D. Quandt
- Neckeradelphus menziesii* (Drumm.) Steere = *Neckera menziesii* Drumm.
- Niphotrichum canescens* (Hedw.) Bednarek-Ochyra & Ochyra = *Racomitrium canescens* (Hedw.) Brid.
- Niphotrichum elongatum* (Ehrh. ex Frisvoll) Bednarek-Ochyra & Ochyra = *Racomitrium elongatum* Ehrh. ex Frisvoll
- Niphotrichum ericoides* (Brid.) Bednarek-Ochyra & Ochyra = *Racomitrium ericoides* (Brid.) Brid.
- Notarisia crispata* auct. = *Ptychomitrium nigrescens* (Kunze) Wijk & Margad.
- Notarisia italica* Hampe = *Ptychomitrium incurvum* (Schwägr.) Spruce

O

- Octodicerus fontanum* (Bach. Pyl.) Lindb. = ***Fissidens fontanus*** (Bach. Pyl.) Steud.
Octodicerus julianum (Savi ex DC.) Brid. = ***Fissidens fontanus*** (Bach. Pyl.) Steud.
Oediacidium hebridarum (Schimp.) Cardot = ***Myurium hochstetteri*** (Schimp.) Kindb.
Oedipodiella australis var. *catalaunica* P. de la Varde = ***Oedipodiella australis*** (Wager & Dixon) Dixon
Oligotrichum hercynicum var. *elongatum* Meyran *nom. nud.* = ***Oligotrichum hercynicum*** (Hedw.) Lam. & DC.
Oligotrichum incurvum (Huds. ex Brid.) Lindb. = ***Oligotrichum hercynicum*** (Hedw.) Lam. & DC.
Omalia lusitanica Schimp. *nom. illeg. err. orthogr. pro Homalia lusitanica* = ***Homalia lusitanica*** Schimp.
Omalia trichomanoides auct. *nom. illeg. err. orthogr. pro Homalia trichomanoides* = ***Homalia trichomanoides*** (Hedw.) Brid.
Oncophorus alpestris (Wahlenb.) Lindb. = ***Cnestrum alpestre*** (Wahlenb.) Nyholm
Oncophorus bruntonii (Sm.) Lindb. = ***Cynodontium bruntonii*** (Sm.) Bruch & Schimp.
Oncophorus crenulatus (Mitt.) Braith. = ***Rhabdoweisia crenulata*** (Mitt.) H. Jameson
Oncophorus crispatus (Dicks. ex With.) Lindb. = ***Rhabdoweisia crispata*** (Dicks. ex With.) Lindb.
Oncophorus glaucus (Hedw.) Bruch & Schimp. = ***Leucobryum glaucum*** (Hedw.) Ångstr.
Oncophorus gracilescens (F. Weber & D. Mohr) Lindb. = ***Cynodontium gracilescens*** (F. Weber & D. Mohr) Schimp.
Oncophorus gracilescens var. *alpestris* Lindb. = ***Cnestrum alpestre*** (Wahlenb. ex Huebener) Nyholm ex Mogesen
▶ *Oncophorus gracilescens* var. *inflexus* Schimp. = ***Cynodontium gracilescens*** (F. Weber & D. Mohr) Schimp.
Oncophorus obtusatus Lindb. = ***Cnestrum alpestre*** (Wahlenb.) Nyholm
Oncophorus polycarpus (Hedw.) Brid. = ***Cynodontium polycarpon*** (Hedw.) Schimp.
Oncophorus polycarpus var. *strumiferum* (Hedw.) Grout = ***Cynodontium strumiferum*** (Hedw.) Lindb.
Oncophorus sardous Herzog = ***Oncophorus virens*** (Hedw.) Brid.
Oncophorus squarrosus Brid. = ***Dichodontium palustre*** (Dicks.) M. Stech
Oncophorus striatus Lindb. = ***Rhabdoweisia fugax*** (Hedw.) Bruch & Schimp.
Oncophorus strumifer (Hedw.) Brid. = ***Cynodontium strumiferum*** (Hedw.) Lindb.
Oncophorus torquescens Lindb. & Arnell *nom. illeg. incl. spec. prior.* = ***Cynodontium tenellum*** (Schimp.) Limpr.
Oncophorus virens var. *compactus* (Bruch & Schimp.) Paris = ***Oncophorus wahlenbergii*** var. ***compactus*** (Bruch & Schimp.) Braithw.
Oncophorus virens f. *compactus* Limpr. [287]
Oncophorus virens var. *serratus* (Bruch & Schimp.) Braithw. = ***Oncophorus virens*** (Hedw.) Brid.
\$ *Oncophorus virens* var. *wahlenbergii* = ***Oncophorus wahlenbergii*** Brid.
Oreas mielichhoferi Brid. *nom. inval.* = ***Mielichhoferia mielichhoferiana*** (Funck) Loeske
Oreas mielichhoferi var. *elongata* (Hoppe & Hornsch.) Dixon. = ***Mielichhoferia elongata*** (Hoppe & Hornsch.) Nees & Hornsch.
Oreoweisia bruntonii (Sm.) Milde = ***Cynodontium bruntonii*** (Sm.) Bruch & Schimp.
Oreoweisia mulahaceni Höhn. = ***Hymenoloma mulahaceni*** (Höhn.) Ochyra
Oreoweisia serrulata (Funck) De Not. = ***Oreoweisia torquescens*** (Hornsch. ex Brid.) Wijk & Margad.
Orthodicranum flagellare (Hedw.) Loeske = ***Dicranum flagellare*** Hedw.
Orthodicranum fragilifolium (Lindb.) Podp. = ***Dicranum fragilifolium*** Lindb.
Orthodicranum montanum (Hedw.) Loeske = ***Dicranum montanum*** Hedw.
Orthodicranum montanum var. *polycladum* (Warnst.) Cas.-Gil = ***Dicranum montanum*** Hedw.
Orthodicranum scottianum (Turner ex R. Scott) G. Roth ex Cas.-Gil = ***Dicranum scottianum*** Turner ex R. Scott

- Orthodicranum scottianum* subsp. *canariense* (Müll. Hal.) Podp. = ***Dicranum canariense*** Hampe ex Müll. Hal.
- Orthodicranum strictum* Broth. = ***Dicranum tauricum*** Sapjegin
- Orthodicranum tauricum* (Sapjegin) Smirnova = ***Dicranum tauricum*** Sapjegin
- Orthodontium denticulatum* Geh. & Hampe = ***Orthodontium pellucens*** (Hook.) Bruch & Schimp.
- Orthodontium gaumei* P. Allorge & Thér. = ***Orthodontium pellucens*** (Hook.) Bruch & Schimp
- Orthodontium germanicum* F. Koppe = ***Orthodontium lineare*** Schwägr.
- Orthodontium gracile* var. *heterocarpum* Walt. Watson = ***Orthodontium lineare*** Schwägr.
- Orthopyxis androgyna* (Hedw.) P. Beauv. = ***Aulacomnium androgynum*** (Hedw.) Schwägr.
- Orthothecium binervulum* Molendo = ***Orthothecium strictum*** Lorentz
- Orthothecium complanatum* Kindb. = ***Orthothecium rufescens*** (Dicks. ex Brid.) Schimp.
- Orthothecium duriaei* (Mont.) Besch. = ***Pseudorhynchostegiella duriaei*** (Mont.) Ignatov & Vanderp.
- Orthothecium intricatum* var. *binervulum* (Molendo) C.E.O. Jensen = ***Orthothecium strictum*** Lorentz
- Orthothecium intricatum* var. *rubellum* (Mitt.) Husn. = ***Orthothecium strictum*** Lorentz
- Orthothecium intricatum* var. *sericeum* Schimp. = ***Orthothecium intricatum*** (Hartm.) Schimp.
- Orthothecium rubellum* (Mitt.) Kindb. = ***Orthothecium strictum*** Lorentz
- Orthotrichum abbreviatum* Grönvall = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum aetnense* De Not. = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum affine* var. *appendiculatum* (Schimp.) Venturi = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum affine* subsp. *fastigiatum* (Brid.) Hartm. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum affine* var. *fastigiatum* (Brid.) Huebener = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum affine* var. *neglectum* (Venturi) Venturi in Husn. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum affine* var. *robustum* (Limpr.) Warnst. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum affine* var. *typicum* Venturi nom. illeg. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum amannii* Culm. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum americanum* (P. Beauv.) Brid. = ***Ulota hutchinsiae*** (Sm.) Hammar
- Orthotrichum anomalum* var. *algeriense* Thér. & Trab. = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum anomalum* var. *commune* Venturi in Husn. = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum anomalum* var. *cylindricum* Schimp. = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum anomalum* var. *defluens* Venturi = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum anomalum* var. *ovalis* Venturi = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum anomalum* var. *pellucida* Hedw. = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum anomalum* var. *saxatile* Milde = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum appendiculatum* Schimp. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum arcangelianum* Massari = ***Orthotrichum laevigatum*** J.E. Zetterst.
- Orthotrichum arnellii* Grönvall = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum australe* Schimp. nom. nud. in synonym. = ***Orthotrichum rogeri*** Brid.
- Orthotrichum australe* Jur. = ***Orthotrichum tenellum*** Bruch ex Brid.
- Orthotrichum baldaccii* Bott. & Venturi = ***Orthotrichum cupulatum*** Hoffm. ex Brid.
- Orthotrichum braunii* Bruch & Schimp. = ***Orthotrichum stellatum*** Brid.
- Orthotrichum coarctatum* P. Beauv. = ***Ulota coarctata*** (P. Beauv.) Hammar
- Orthotrichum creticum* Baumg. = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum crispulum* (Bruch) Hornsch. ex Bruch & Schimp. = ***Ulota crispa*** (Hedw.) Brid.
- Orthotrichum crispum* Hedw. = ***Ulota crispa*** (Hedw.) Brid.

- Orthotrichum cupulatum* var. *baldaccii* (Bott. & Venturi) Piccioli = ***Orthotrichum cupulatum*** Hoffm. ex Brid.
- Orthotrichum cupulatum* var. *calcareum* Venturi = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum cupulatum* var. *commune* Venturi in Husn. = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum cupulatum* var. *juratum* Meylan = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum cupulatum* var. *nudum* (Dicks.) Lindb. = ***Orthotrichum cupulatum*** var. ***riparium*** Huebener
- Orthotrichum cupulatum* var. *papillosum* Grönvall = ***Orthotrichum cupulatum*** var. ***fuscum*** (Venturi) Boulay
- Orthotrichum cupulatum* var. *pugetti* Boulay = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum cupulatum* var. *rudolphianum* Schimp. *nom. illeg. incl. var. prior.* = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum cupulatum* var. *sardaganum* (Venturi) Venturi = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum cupulatum* var. *typicum* Venturi *nom. illeg.* = ***Orthotrichum cupulatum*** Brid. var. ***cupulatum***
- Orthotrichum defluens* Venturi = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum diaphanum* var. *aquaticum* G. Davies ex Venturi = ***Orthotrichum diaphanum*** Brid.
- Orthotrichum diaphanum* var. *leucomitrium* (Brid.) Huebener = ***Orthotrichum diaphanum*** Brid.
- Orthotrichum diaphanum* var. *ulmicola* (Lag., D. García & Clemente) Huebener = ***Orthotrichum diaphanum*** Brid.
- Orthotrichum dilatatum* Bruch & Schimp. = ***Ulota bruchii*** Hornsch. ex Brid.
- Orthotrichum drummondii* Hook. & Grev. = ***Ulota drummondii*** (Hook. & Grev.) Brid.
- Orthotrichum elegans* Schwägr. = ***Orthotrichum speciosum*** Nees
- Orthotrichum fallax* Bruch ex Brid. = ***Orthotrichum schimperii*** Hammar
- Orthotrichum fastigiatum* Brid. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum fastigiatum* var. *appendiculatum* (Schimp.) Limpr. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum flaccum* De Not. = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum flowersii* Vitt EXCLUDED FROM THE AREA [60]
- Orthotrichum franzonianum* De Not. ex Venturi = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum gracile* Herzog *non* Hook *hom. illeg.* = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum gymnostomum* Bruch ex Brid. = ***Nyholmiella gymnostoma*** (Bruch ex Brid.) Holmen & Warncke
- Orthotrichum hutchinsiae* Sm. = ***Ulota hutchinsiae*** (Sm.) Hammar
- Orthotrichum inflexum* Müll. Hal. = ***Nyholmiella obtusifolia*** (Brid.) Holmen & Warncke
- Orthotrichum insidiosum* Herzog = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum kaurinii* Grönvall = ***Orthotrichum pumilum*** Sw. ex anon.
- Orthotrichum killiasii* Müll. Hal. = ***Orthotrichum speciosum*** Nees
- Orthotrichum leblebicii* Erdağ, Kürschner & Parolly = ***Orthotrichum vittii*** Lara, Garilleti & Mazimpaka
- Orthotrichum leiocarpum* Bruch & Schimp. *nom. illeg. incl. spec. prior.* = ***Orthotrichum striatum*** Hedw.
- Orthotrichum leiocarpum* subsp. *shawii* (Wilson) Kindb. = ***Orthotrichum shawii*** Wilson
- Orthotrichum letourneuxii* Besch. [59]
- Orthotrichum leucomitrium* Bruch & Schimp. *hom. illeg.* = ***Orthotrichum scanicum*** Grönvall
- Orthotrichum lewinskyae* Lara, Garilleti & Mazimpaka = ***Orthotrichum scanicum*** Grönvall
- Orthotrichum limprichtii* I. Hagen = ***Orthotrichum cupulatum*** var. ***fuscum*** (Venturi) Boulay
- Orthotrichum ludwigii* Brid. = ***Ulota coarctata*** (P. Beauv.) Hammar
- Orthotrichum lyellii* var. *crispatum* Schiffn. = ***Orthotrichum lyellii*** Hook. & Taylor

- Orthotrichum medium* Sm. ex Müll. Hal. *nom. inval. in synonym. err. pro O. nudum* = ***Orthotrichum cupulatum*** var. ***riparium*** Huebener
- Orthotrichum neglectum* Schimp. *hom. illeg.* = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum nigratum* Bruch & Schimp. = ***Ulota hutchinsiae*** (Sm.) Hammar
- Orthotrichum nudum* Dicks. = ***Orthotrichum cupulatum*** var. ***riparium*** Huebener
- Orthotrichum obscurum* Grönvall = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum obtusifolium* Brid. = ***Nyholmiella obtusifolia*** (Brid.) Holmen & Warncke
- Orthotrichum octoblephare* Brid. = ***Orthotrichum affine*** Schrad. ex Brid.
- Orthotrichum paivanum* Schimp. *nom. nud.* = ***Ulota calvescens*** Wilson
- Orthotrichum pallens* subsp. *paradoxum* (Grönvall) Düll = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum pallens* var. *parvum* Venturi = ***Orthotrichum microcarpum*** De Not.
- Orthotrichum pallens* var. *rivulare* Meyran = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum pallidum* Grönvall *hom. illeg.* = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum paradoxum* Grönvall = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum perforatum* Limpr. *hom. illeg.* = ***Orthotrichum cupulatum*** var. ***fuscum*** (Venturi) Boulay
- Orthotrichum phyllanthum* (Brid.) Steud. = ***Ulota phyllantha*** Brid.
- Orthotrichum polare* Lindb. = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum pseudostramineum* Dism. [59]
- Orthotrichum pumilum* var. *commune* Venturi = ***Orthotrichum pumilum*** Sw. ex anon.
- Orthotrichum pumilum* var. *fallax* (Bruch ex Brid.) J. Kickx f. = ***Orthotrichum schimperi*** Hammar
- Orthotrichum pumilum* var. *molle* Venturi = ***Orthotrichum pumilum*** Sw. ex anon.
- Orthotrichum pumilum* var. *obscurum* Venturi = ***Orthotrichum pallens*** Bruch ex Brid.
- Orthotrichum pumilum* var. *philibertii* Venturi = ***Orthotrichum philibertii*** Venturi
- Orthotrichum pumilum* var. *schimperi* (Hammar) Hinn. = ***Orthotrichum schimperi*** Hammar
- Orthotrichum rogeri* var. *defluens* (Venturi) Venturi = ***Orthotrichum stramineum*** Hornsch. ex Brid.
- Orthotrichum rupestre* var. *aetnense* (De Not.) Venturi in Husn. = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum rupestre* var. *alpicola* Meyran *nom. nud.* = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum rupestre* var. *franzonianum* (De Not.) Venturi in Husn. = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum rupestre* var. *kurdicum* Schiffn. [378]
- Orthotrichum rupestre* var. *rupicola* Funk = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum rupestre* subsp. *shawii* (Wilson) Boulay = ***Orthotrichum shawii*** Wilson
- Orthotrichum rupestre* var. *sehlmeyeri* (Brid.) Huebener = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum rupestre* var. *sturmii* (Hoppe & Hornsch.) Jur. = ***Orthotrichum rupestre*** Schleich. ex Schwägr.
- Orthotrichum sardagnanum* Venturi = ***Orthotrichum cupulatum*** Brid.
- Orthotrichum saxatile* Brid. *nom. illeg. incl. spec. prior.* = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum saxatile* Schimp. *hom. illeg.* = ***Orthotrichum anomalum*** Hedw.
- Orthotrichum schimperi* var. *philibertii* (Venturi) Boulay = ***Orthotrichum philibertii*** Venturi
- Orthotrichum schubertianum* Lorentz = ***Orthotrichum urnigerum*** Myrin
- Orthotrichum sourekii* Pilous = ***Orthotrichum urnigerum*** Myrin
- Orthotrichum splachnoides* Froel. ex Brid. = ***Anacamptodon splachnoides*** (Froel. ex Brid.) Brid.
- Orthotrichum stramineum* var. *crispatum* Venturi *nom. nud. in synonym.* = ***Orthotrichum rogeri*** Brid.
- Orthotrichum stramineum* var. *patens* (Bruch ex Brid.) Venturi = ***Orthotrichum patens*** Bruch ex Brid.

- Orthotrichum stramineum* var. *vexabile* Limpr. = *Orthotrichum stramineum* Hornsch. ex Brid.
- Orthotrichum strangulatum* var. *mucronatum* Venturi = *Orthotrichum cupulatum* Brid.
- Orthotrichum sturmii* Hoppe & Hornsch. = *Orthotrichum rupestre* Schleich. ex Schwägr.
- Orthotrichum subalpinum* Limpr. = *Orthotrichum rogeri* Brid.
- Orthotrichum tenellum* var. *meridionale* Boulay = *Orthotrichum tenellum* Bruch ex Brid.
- Orthotrichum tenellum* var. *pumilum* (Sw. ex anon.) Boulay = *Orthotrichum pumilum* Sw. ex anon.
- Orthotrichum ticinense* De Not. = *Orthotrichum rogeri* Brid.
- Orthotrichum urnigerum* var. *schubartianum* (Lorentz) Venturi = *Orthotrichum urnigerum* Myrin
- Orthotrichum urnigerum* var. *venturii* (De Not.) Venturi & Bott. = *Orthotrichum urnigerum* Myrin
- Orthotrichum ventricosum* Nees in Huebener = *Orthotrichum tenellum* Bruch ex Brid.
- Orthotrichum venturii* De Not. = *Orthotrichum urnigerum* Myrin
- Orthotrichum winteri* Schimp. = *Orthotrichum consimile* Mitt.
- Oxyrrhynchium atrovirens* (Dicks. ex Brid.) Loeske nom. inval. = *Oxyrrhynchium hians* (Hedw.) Loeske
- Oxyrrhynchium hians* var. *rigidum* (Boulay) Ochyra & Żarnowiec = *Oxyrrhynchium hians* (Hedw.) Loeske
- Oxyrrhynchium hians* var. *vulgare* (Boulay) Podp. [373]
- Oxyrrhynchium pallidirostrum* (Brid.) Wijk & Margad. nom. illeg. incl. spec. prior. = *Microeurhynchium pumilum* (Wilson) Ignatov & Vanderp.
- Oxyrrhynchium praelongum* (Hedw.) Warnst. = *Kindbergia praelonga* (Hedw.) Ochyra
- Oxyrrhynchium praelongum* var. *laxirete* (Renauld & Cardot) Geh. & Herzog = *Oxyrrhynchium hians* (Hedw.) Loeske
- § *Oxyrrhynchium praelongum* var. *abbreviatum* = *Oxyrrhynchium shleicheri* (R. Hedw.) Röhl.
- Oxyrrhynchium praelongum* var. *stokesii* (Turner) Podp. = *Kindbergia praelonga* (Hedw.) Ochyra
- Oxyrrhynchium pumilum* (Wilson) Loeske = *Microeurhynchium pumilum* (Wilson) Ignatov & Vanderp.
- Oxyrrhynchium rusciforme* (Neck.) Warnst. = *Rhynchostegium riparioides* (Hedw.) Cardot
- Oxyrrhynchium serratum* (Cardot & H. Winter) F. Koppe = *Kindbergia praelonga* (Hedw.) Ochyra
- Oxyrrhynchium stokesii* (Turner) Schimp. = *Kindbergia praelonga* (Hedw.) Ochyra
- Oxyrrhynchium swartzii* (Turner) Warnst. = *Oxyrrhynchium hians* (Hedw.) Loeske
- Oxyrrhynchium swartzii* var. *hians* C.E.O. Jensen = *Oxyrrhynchium hians* (Hedw.) Loeske
- § *Oxyrrhynchium swartzii* var. *rigidum* = *Oxyrrhynchium hians* (Hedw.) Loeske
- § *Oxyrrhynchium swartzii* var. *robustum* = *Oxyrrhynchium hians* (Hedw.) Loeske
- Oxyrrhynchium swartzii* var. *vulgare* (Boulay) Jelenc = *Oxyrrhynchium hians* (Hedw.) Loeske
- Oxystegus cylindricus* (Bruch ex Brid.) Hilp. = *Oxystegus tenuirostris* (Hook. & Taylor) A.J.E. Sm.
- Oxystegus cylindricus* subsp. *hibernicus* (Mitt.) Podp. = *Oxystegus hibernicus* (Mitt.) Hilp
- Oxystegus cylindricus* var. *irriguus* (Limpr.) Podp. [62]
- Oxystegus sinuosus* (Mitt.) Hilp. = *Didymodon sinuosus* (Mitt.) Delogne

P

- Pachyfissidens grandifrons* (Brid.) Limpr. = *Fissidens grandifrons* Brid.
- Palustriella commutata* subsp. *falcata* (Brid.) Ochyra = *Palustriella falcata* (Brid.) Hedenäs
- Palustriella commutata* var. *falcata* (Brid.) Ochyra = *Palustriella falcata* (Brid.) Hedenäs
- Palustriella commutata* var. *fluctuans* (Schimp.) Ochyra = *Palustriella commutata* (Hedw.) Ochyra

- Palustriella commutata* var. *irrigatum* J.E. Zetterst. = ***Palustriella commutata*** (Hedw.) Ochyra
- Palustriella commutata* var. *pseudodecipiens* (J.J. Amann) Ochyra [277]
- Palustriella commutata* var. *sulcata* (Lindb.) Ochyra = ***Palustriella falcata*** (Brid.) Hedenäs
- Palustriella commutata* var. *virescens* (Schimp.) Ochyra = ***Palustriella commutata*** (Hedw.) Ochyra
- Palustriella decipiens* var. *napaeiformis* (Schiffn.) Ochyra [380]
- Pancovia strigosa* (Hoffm. ex F. Weber & D. Mohr) Piré = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen
- Paraleucobryum albidum* auct. eur. non (P. Beauv.) Lindb. = ***Leucobryum juniperoideum*** (Brid.) Müll. Hal.
- Paraleucobryum fulvum* (Hook.) Loeske = ***Dicranum fulvum*** Hook.
- Paraleucobryum longifolium* var. *hamatum* (Jur.) Pavl. = ***Paraleucobryum longifolium*** (Ehrh. ex Hedw.) Loeske
- Paraleucobryum longifolium* subsp. *sauteri* (Bruch & Schimp.) C.E.O. Jensen = ***Paraleucobryum sauteri*** (Bruch & Schimp.) Loeske
- Paraleucobryum longifolium* var. *subalpinum* (Milde) Cas.-Gil = ***Paraleucobryum longifolium*** (Ehrh. ex Hedw.) Loeske
- Paraleucobryum viride* (Sull. & Lesq.) Podp. = ***Dicranum viride*** (Sull. & Lesq.) Lindb.
- Phascum acaulon* With. = ***Tortula acaulon*** (With.) R.H. Zander
- Phascum acaulon* var. *mitriforme* (Limpr.) Levier = ***Tortula acaulon*** (With.) R.H. Zander var. ***acaulon***
- Phascum acaulon* var. *piliferum* (Hedw.) Brockm. = ***Tortula acaulon*** var. ***pilifera*** (Hedw.) R.H. Zander
- Phascum acaulon* var. *schreberianum* (Dicks.) Jansen & Wacht = ***Tortula acaulon*** var. ***schreberiana*** (Dicks.) R.H. Zander
- Phascum alternifolium* Hedw. = ***Archidium alternifolium*** (Hedw.) Mitt.
- Phascum axillare* Dicks. ex Sm. = ***Pseudephemerum nitidum*** (Hedw.) Loeske
- Phascum badium* Voit nom. illeg. incl. spec. prior. = ***Microbryum floerkeanum*** (F. Weber & D. Mohr) Schimp.
- Phascum bryoides* Dicks. = ***Tortula protobryoides*** R.H. Zander
- Phascum bryoides* var. *curvisetum* Bruch & Schimp. = ***Tortula protobryoides*** R.H. Zander
- Phascum bryoides* var. *piliferum* Schultz ex Nees & Hornsch. = ***Tortula protobryoides*** R.H. Zander
- Phascum bulbosum* var. *piligerum* De Not. = ***Acaulon piligerum*** (De Not.) Limpr.
- Phascum carniolicum* F. Weber & D. Mohr = ***Aschisma carniolicum*** (F. Weber & D. Mohr) Lindb.
- Phascum cohaerens* Hedw. = ***Ephemerum cohaerens*** (Hedw.) Hampe
- Phascum crassinervium* Grev. = ***Ephemerum recurvifolium*** (Dicks.) Boulay
- Phascum crispum* Hedw. = ***Weissia longifolia*** Mitt.
- Phascum curvicollum* Hedw. = ***Microbryum curvicollum*** (Hedw.) R.H. Zander
- Phascum curvisetum* Dicks. = ***Tortula acaulon*** (With.) R.H. Zander
- Phascum cuspidatum* Hedw. = ***Tortula acaulon*** (With.) R.H. Zander
- Phascum cuspidatum* var. *curvisetum* (Dicks.) Nees & Hornsch. = ***Tortula acaulon*** (With.) R.H. Zander
- Phascum cuspidatum* var. *arcuatum* Herrnst. & Heyn = ***Tortula acaulon*** var. ***arcuata*** (Herrnst. & Heyn) R.H. Zander [271]
- Phascum cuspidatum* var. *elatum* (Brid.) Drumm. = ***Tortula acaulon*** (With.) R.H. Zander
- Phascum cuspidatum* var. *macrophyllum* (Wibel ex Roem.) Bruch & Schimp. = ***Tortula acaulon*** (With.) R.H. Zander
- Phascum cuspidatum* var. *marginatum* Herrnst. & Heyn = ***Tortula acaulon*** var. ***marginata*** (Herrnst. & Heyn) R.H. Zander [271]
- Phascum cuspidatum* var. *maximum* auct. non F. Weber & D. Mohr = ***Tortula acaulon*** var. ***schreberiana*** (Dicks.) R.H. Zander
- Phascum cuspidatum* var. *mitriforme* Limpr. = ***Tortula acaulon*** (With.) R.H. Zander var. ***acaulon***

- Phascum cuspidatum* var. *papillosum* (Lindb.) G. Roth = *Tortula acaulon* var. *papillosa* (Lindb.) R.H. Zander
- Phascum cuspidatum* var. *piliferum* (Hedw.) Hook. & Taylor = *Tortula acaulon* var. *pilifera* (Hedw.) R.H. Zander
- Phascum cuspidatum* var. *retortifolium* J. Guerra & Ros = *Tortula acaulon* var. *retortifolia* (J. Guerra & Ros) R.H. Zander
- Phascum cuspidatum* var. *schreberianum* (Dicks.) Brid. = *Tortula acaulon* var. *schreberiana* (Dicks.) R.H. Zander
- Phascum cuynetii* Bizot & R.B. Pierrot = *Aschisma cuynetii* (Bizot & R.B. Pierrot) J. Guerra & M.J. Cano
- Phascum elatum* Brid. = *Tortula acaulon* (With.) R.H. Zander
- Phascum floerkeanum* F. Weber & D. Mohr = *Microbryum floerkeanum* (F. Weber & D. Mohr) Schimp.
- Phascum floerkeanum* var. *badium* Bruch & Schimp. = *Microbryum floerkeanum* (F. Weber & D. Mohr) Schimp.
- Phascum halophilum* Smarda = *Tortula acaulon* (With.) R.H. Zander
- Phascum heterophyllum* De Not. = *Ephemerum cohaerens* (Hedw.) Hampe
- Phascum leptophyllum* Müll. Hal. = *Leptophascum leptophyllum* (Müll. Hal.) J. Guerra & M.J. Cano
- Phascum longipes* J. Guerra, J.J. Martínez & Ros = *Microbryum longipes* (J. Guerra, J.J. Martínez & Ros) R.H. Zander
- Phascum lotharingicum* Copp. = *Tortula acaulon* (With.) R.H. Zander
- Phascum macrophyllum* Wib. = *Tortula acaulon* (With.) R.H. Zander
- Phascum mitriforme* (Limpr.) Warnst. = *Tortula acaulon* (With.) R.H. Zander var. *acaulon*
- Phascum muticum* Schreb. ex Hedw. = *Acaulon muticum* (Schreb. ex Hedw.) Müll. Hal.
- Phascum nitidum* Hedw. = *Pseudephemerum nitidum* (Hedw.) Loeske
- Phascum nitidum* var. *bulbiferum* Husn. = *Pseudephemerum nitidum* (Hedw.) Loeske
- Phascum palustre* Bruch & Schimp. = *Cleistocarpidium palustre* (Bruch & Schimp.) Ochyra & Bednarek-Ochyra
- Phascum patens* Hedw. = *Physcomitrella patens* (Hedw.) Bruch & Schimp.
- Phascum piliferum* Hedw. = *Tortula acaulon* var. *pilifera* (Hedw.) R.H. Zander
- Phascum piliferum* var. *gemmaeforme* Nees & Hornsch. = *Tortula acaulon* var. *pilifera* (Hedw.) R.H. Zander
- Phascum piliferum* var. *rufescens* Nees & Hornsch. = *Tortula acaulon* var. *pilifera* (Hedw.) R.H. Zander
- Phascum piligerum* De Not. = *Acaulon piligerum* (De Not.) Lindb.
- Phascum piptocarpum* Durieu & Mont. = *Microbryum curvicollum* (Hedw.) R.H. Zander
- Phascum rectum* With. = *Microbryum rectum* (With.) R.H. Zander
- Phascum recurvifolium* Dicks. = *Ephemerum recurvifolium* (Dicks.) Boulay
- Phascum rostellatum* Brid. = *Weissia rostellata* (Brid.) Lindb.
- Phascum schreberianum* Dicks. = *Tortula acaulon* var. *schreberiana* (Dicks.) R.H. Zander
- Phascum serratum* Hedw. = *Ephemerum serratum* (Hedw.) Hampe
- Phascum stenophyllum* Voit = *Ephemerum crassinervicum* subsp. *sessile* (Bruch) Holyak.
- Phascum subulatum* Hedw. = *Pleuridium subulatum* (Hedw.) Rabenh.
- Phascum subulatum* F. Weber & D. Mohr *hom. illeg.* = *Pleuridium acuminatum* Lindb.
- Phascum tenerum* Bruch & Schimp. = *Micromitrium tenerum* (Bruch & Schimp.) Crosby
- Phascum triquetrum* Spruce = *Acaulon triquetrum* (Spruce) Müll. Hal.
- Philonotis arnellii* Husn. = *Philonotis capillaris* Lindb.
- Philonotis adpressa* Fergusson = *Philonotis fontana* (Hedw.) Brid.
- Philonotis alpicola* Limpr. *nom. illeg. incl. spec. prior.* = *Philonotis tomentella* Molendo
- Philonotis caespitosa* var. *aristata* Loeske [165]
- Philonotis caespitosa* var. *syriaca* Lorentz = *Philonotis fontana* var. *syriaca* (Lorentz) Paris [165]
- Philonotis calcarea* f. *junior* Braun-Blanquet *nom. nud.* [165]
- Philonotis calcarea* var. *orthophylla* Schiffn. [381]
- Philonotis calcarea* var. *seriatifolia* Schiffn. [381]

- Philonotis confervoides* Zodda ex G. Roth = ***Philonotis capillaris*** Lindb.
Philonotis evanidinervis M. Fleisch. = ***Philonotis hastata*** (Duby) Wijk & Margad.
Philonotis falcata Hook. = ***Philonotis calcarea*** (Bruch & Schimp.) Schimp.
Philonotis fontana var. *adpressa* (Fergusson) Limpr. = ***Philonotis fontana*** (Hedw.) Brid.
Philonotis fontana var. *alpina* (Brid.) Brid. = ***Philonotis fontana*** (Hedw.) Brid.
Philonotis fontana f. *aristinervis* Loeske = ***Philonotis fontana*** (Hedw.) Brid.
Philonotis fontana var. *caespitosa* (Jur.) Limpr. = ***Philonotis caespitosa*** Jur.
Philonotis fontana var. *capillaris* (Lindb.) Lindb. = ***Philonotis capillaris*** Lindb.
Philonotis fontana var. *falcata* (Hook.) Brid. = ***Philonotis calcarea*** (Bruch & Schimp.) Schimp.
Philonotis fontana var. *gracilescens* Schimp. = ***Philonotis fontana*** (Hedw.) Brid.
Philonotis fontana var. *pumila* (Turn.) Brid. = ***Philonotis tomentella*** Molendo
Philonotis fontana var. *seriata* (Mitt.) Kindb. = ***Philonotis seriata*** Mitt.
Philonotis fontana var. *syriaca* (Lorentz) Paris [165]
Philonotis fontana var. *tomentella* (Molendo) Dixon = ***Philonotis tomentella*** Molendo
Philonotis glabriuscula Kindb. p.p. = ***Philonotis fontana*** (Hedw.) Brid.
Philonotis glabriuscula Kindb. p.p. = ***Philonotis marchica*** (Hedw.) Brid.
Philonotis laxa Limpr. = ***Philonotis marchica*** (Hedw.) Brid.
Philonotis laxissima Mitt. nom. illeg. incl. spec. prior. = ***Philonotis hastata*** (Duby) Wijk & Margad.
Philonotis laxissima var. *gemmiclada* Bizot nom. nud. [165]
Philonotis marchica var. *capillaris* (Lindb.) Limpr. = ***Philonotis capillaris*** Lindb.
Philonotis marchica var. *laxa* (Limpr.) Loeske & Warnst. = ***Philonotis marchica*** (Hedw.) Brid.
Philonotis marchica f. *rivularis* (Warnst.) Mönk. = ***Philonotis marchica*** (Hedw.) Brid.
Philonotis marchica var. *tenuis* Boulay = ***Philonotis capillaris*** Lindb.
Philonotis mollis Venturi hom. illeg. = ***Philonotis caespitosa*** Jur.
Philonotis obtusata Müll. Hal. ex Renauld & Cardot = ***Philonotis hastata*** (Duby) Wijk & Margad.
Philonotis osterwaldii Warnst. = ***Philonotis tomentella*** Molendo
Philonotis seriata var. *adpressa* (Fergusson) Bryhn = ***Philonotis fontana*** (Hedw.) Brid.
Philonotis seriata var. *mollis* Schimpr. = ***Philonotis fontana*** (Hedw.) Brid.
Philonotula nilotica Müll. Hal. nom. nud. [209]
Physcomitrium acuminatum Bruch & Schimp. = ***Physcomitrium eurystomum*** subsp. ***acuminatum*** (Bruch & Schimp.) Giacom.
Physcomitrium curvisetum (Schwägr.) Bruch & Schimp. = ***Funariella curviseta*** (Schwägr.) Sérgio
Physcomitrium ericetorum (De Not.) Bruch & Schimp. = ***Entosthodon obtusus*** (Hedw.) Lindb.
Physcomitrium fasciculare (Hedw.) Brid. ex Hampe = ***Entosthodon fascicularis*** (Hedw.) Müll. Hal.
Physcomitrium longicolle Trab. = ***Entosthodon hungaricus*** (Boros) Loeske
Physcomitrium maroccanum Meyl. = ***Entosthodon hungaricus*** (Boros) Loeske
Physcomitrium patens (Hedw.) Mitt. = ***Physcomitrella patens*** (Hedw.) Bruch & Schimp.
Physcomitrium pyriforme var. *langloisii* Renauld & Cardot = ***Physcomitrium pyriforme*** (Hedw.) Hampe
Physcomitrium rhizophyllum Sakurai = ***Leptopascum leptophyllum*** (Müll. Hal.) J. Guerra & M.J. Cano
Physcomitrium sesostris Lorentz = ***Physcomitrium niloticum*** (Delille) Müll. Hal.
Physcomitrium soleirolii Mont. = ***Entosthodon attenuatus*** (Dicks.) Bryhn.
Physcomitrium sphaericum var. *eurystomum* (Sendtn.) Husn. = ***Physcomitrium eurystomum*** Sendtn.
Physcomitrium sphaericum var. *major* Boulay = ***Physcomitrium eurystomum*** Sendtn.
Physcomitrium sphaericum var. *minor* Boulay = ***Physcomitrium sphaericum*** (C.F. Ludw. ex Sckuhr) Brid.
Physcomitrium tetragonum (Brid.) Fürnr. = ***Pyramidula tetragona*** (Brid.) Brid.

- Pilotrichum heteromallum* var. *aquatile* Müll. Hal. = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- ☞ *Pilotrichum heteromallum* var. *lusitanica* Müll. Hal. *nom. illeg. in synonym.* = ***Dendrocryphaea lamyana*** (Mont.) P. Rao
- Plagiobryum demissum* (Hook.) Lindb. = ***Ptychostomum demissum*** (Hook.) Holyoak & N. Pedersen
- Plagiobryum zieri* (Hedw.) Lindb. = ***Ptychostomum zieri*** (Hedw.) Holyoak & N. Pedersen
- Plagiomnium affine* var. *elatum* (Bruch & Schimp.) Margad. & Doring = ***Plagiomnium elatum*** (Bruch & Schimp.) T.J. Kop.
- § *Plagiomnium affine* var. *humile* = ***Plagiomnium affine*** (Blandow ex Funck) T.J. Kop.
- § *Plagiomnium affine* var. *integrifolium* = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Plagiomnium cinclidioides* (Huebener) M.C. Bowers = ***Pseudobryum cinclidioides*** (Huebener) T.J. Kop.
- Plagiomnium rugicum* (Laurer) T.J. Kop. = ***Plagiomnium ellipticum*** (Brid.) T.J. Kop.
- Plagiopus oederi* var. *cryptarum* J.J. Amann = ***Plagiopus oederianus*** (Sw.) H.A. Crum & L.E. Anderson
- Plagiopus oederi* (Brid.) Limpr. = ***Plagiopus oederianus*** (Sw.) H.A. Crum & L.E. Anderson
- Plagiopus pomiformis* (Hedw.) Machado-Guim. = ***Bartramia pomiformis*** Hedw.
- Plagiopus strictus* (Brid.) Machado-Guim. = ***Bartramia stricta*** Brid.
- Plagiotheciella latebricola* (Schimp.) M. Fleisch. = ***Plagiothecium latebricola*** Schimp.
- Plagiotheciella pilifera* (Sw.) M. Fleisch. = ***Plagiothecium piliferum*** (Sw.) Schimp.
- Plagiothecium argyrophyllum* Geh. = ***Tetrastichium virens*** (Cardot) S.P. Churchill
- Plagiothecium borrierianum* Spruce = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Plagiothecium bottinii* (Breidl.) Bott. & Venturi = ***Isopterygium tenerum*** (Sw.) Mitt.
- Plagiothecium cavifolium* var. *orthocladium* (Schimp.) Z. Iwats. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium cuspidatum* H. Philib. = ***Callicladium haldanianum*** (Grev.) H.A. Crum
- Plagiothecium demissum* (Wilson) Dixon = ***Sematophyllum demissum*** (Wilson) Mitt.
- Plagiothecium denticulatum* var. *aptychus* (Spruce) F. Lees = ***Plagiothecium curvifolium*** Schlieph. ex Limpr.
- Plagiothecium denticulatum* var. *curvifolium* (Schlieph. ex Limpr.) Meyl. = ***Plagiothecium curvifolium*** Schlieph. ex Limpr.
- Plagiothecium denticulatum* var. *densum* Schimp. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium denticulatum* var. *donnii* Lindb. *nom. illeg. incl. var. prior.* = ***Plagiothecium denticulatum*** var. ***obtusifolium*** (Turner) Moore
- Plagiothecium denticulatum* var. *gravetii* (Piré) Husn. = ***Plagiothecium laetum*** Schimp.
- Plagiothecium denticulatum* var. *imbricatum* (Boulay) Meyl. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium denticulatum* subsp. *laetum* (Schimp.) Kindb. = ***Plagiothecium laetum*** Schimp.
- Plagiothecium denticulatum* var. *laetum* (Schimp.) Lindb. = ***Plagiothecium laetum*** Schimp.
- Plagiothecium denticulatum* var. *laxum* Schimp. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium denticulatum* var. *majus* (Boulay) Delogne = ***Plagiothecium platyphyllum*** Mönk.
- Plagiothecium denticulatum* var. *myurum* Schimp. = ***Plagiothecium cavifloium*** (Brid.) Z. Iwats.
- Plagiothecium denticulatum* var. *phyllorhizans* Schiffn. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium denticulatum* var. *ruthei* (Limpr.) Riehm. = ***Plagiothecium denticulatum*** var. ***undulatum*** R. Ruthe ex Geh.
- Plagiothecium denticulatum* var. *tenellum* Schimp. = ***Plagiothecium laetum*** Schimp.
- Plagiothecium depressum* (Brid.) Spruce *hom. illeg.* = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.

- Plagiothecium donnianum* (Sm.) Mitt. = ***Plagiothecium denticulatum*** var. *obtusifolium* (Turner) Moore
- Plagiothecium elegans* (Hook.) Sull. = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Plagiothecium elegans* var. *nanum* (Jur.) Molendo = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Plagiothecium incurvatum* (Schrad. ex Brid.) De Not. = ***Homomallium incurvatum*** (Schrad. ex Brid.) Loeske
- Plagiothecium laetum* var. *densum* (Schimp.) Warnst. = ***Plagiothecium laetum*** Schimp.
- Plagiothecium lucidum* Molendo & Lorentz nom. inval. err. orthogr. pro *P. luridum* (Molendo) Molendo & Lorentz = ***Plagiothecium laetum*** Schimp.
- Plagiothecium muehlenbeckii* Schimp. nom. illeg. incl. spec. prior. = ***Herzogiella striatella*** (Brid.) Z. Iwats.
- Plagiothecium muellerianum* Schimp. = ***Isopterygiopsis muelleriana*** (Schimp.) Z. Iwats.
- Plagiothecium nanum* Jur. = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Plagiothecium neglectum* Mönk. = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- Plagiothecium nemorale* var. *laxum* Molendo = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- Plagiothecium nemorale* var. *nervosum* Renauld = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- § *Plagiothecium nemorale* var. *neglectum* = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- § *Plagiothecium nemorale* var. *orthocladium* = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- § *Plagiothecium nemorale* var. *phyllorhizans* = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium nitidulum* (Wahlenb.) Schimp. nom. illeg. incl. spec. prior. = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
- Plagiothecium nitidum* Lindb. nom. illeg. incl. spec. prior. = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
- Plagiothecium orthocladium* Schimp. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium pseudosylvaticum* Warnst. = ***Plagiothecium denticulatum*** var. *undulatum* R. Ruthe ex Geh.
- Plagiothecium pulchellum* (Hedw.) Schimp. = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
- Plagiothecium pulchellum* var. *nitidulum* (Wahlenb.) Renauld & Cardot = ***Isopterygiopsis pulchella*** (Hedw.) Z. Iwats.
- Plagiothecium repens* Lindb. nom. illeg. incl. spec. prior. = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Plagiothecium roeseanum* Schimp. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium ruthei* Limpr. = ***Plagiothecium denticulatum*** var. *undulatum* R. Ruthe ex Geh.
- Plagiothecium ruthei* var. *gracile* Meyl. = ***Plagiothecium denticulatum*** var. *undulatum* R. Ruthe ex Geh.
- Plagiothecium ruthei* var. *pseudosylvaticum* Warnst. = ***Plagiothecium denticulatum*** var. *undulatum* R. Ruthe ex Geh.
- Plagiothecium ruthei* var. *subundulatum* (R. Ruthe) Warnst. = ***Plagiothecium denticulatum*** var. *undulatum* R. Ruthe ex Geh.
- Plagiothecium schimperi* Jur. & Milde = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Plagiothecium silesiacum* auct. non (F. Weber & D. Mohr) Schimp. nom. illeg. incl. spec. prior. = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
- Plagiothecium sylvaticum* Bruch & Schimp. nom. inval. err. orthogr. pro *P. sylvaticum* (Brid.) Schimp. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium striatellum* (Brid.) Lindb. = ***Herzogiella striatella*** (Brid.) Z. Iwats.
- Plagiothecium sullivantiae* (Schimp. ex Sull.) A. Jaeger = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium sylvaticum* auct. non (Brid.) Schimp. = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- Plagiothecium sylvaticum* (Brid.) Schimp. = ***Plagiothecium denticulatum*** (Hedw.) Schimp.
- Plagiothecium sylvaticum* var. *auritum* Kern = ***Plagiothecium denticulatum*** var. *undulatum* R. Ruthe ex Geh.

- Plagiothecium sylvaticum* var. *cryptarum* (Renauld & Hérib.) P. Syd. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium sylvaticum* var. *neglectum* (Mönk) F. Koppe = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- Plagiothecium sylvaticum* var. *nemorale* (Mitt.) Paris = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- Plagiothecium sylvaticum* var. *nervosum* Renauld = ***Plagiothecium platyphyllum*** Mönk.
- Plagiothecium sylvaticum* var. *orthocladium* (Schimp.) Schimp. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium sylvaticum* var. *rivulare* Debat = ***Plagiothecium nemorale*** (Mitt.) A. Jaeger
- Plagiothecium sylvaticum* var. *roesei* Lindb. = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium sylvaticum* var. *roseanum* (Schimp.) A.W.H. Walther & Molendo = ***Plagiothecium cavifolium*** (Brid.) Z. Iwats.
- Plagiothecium sylvaticum* var. *succulentum* Wilson = ***Plagiothecium succulentum*** (Wilson) Lindb.
- Plasteurhynchium canariense* (A. Jaeger) M. Fleisch. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Plasteurhynchium duriaeum* (Mont. ex Mitt.) P. Allorge = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
- Platydictya confervoides* (Brid.) H.A. Crum = ***Serpoleskea confervoides*** (Brid.) Kartt.
- Platydictya subtilis* (Hedw.) H.A. Crum = ***Pseudoamblystegium subtile*** (Hedw.) Vanderp. & Hedenäs
- Platyhypnidium lusitanicum* (Schimp.) Ochyra & Bednarek-Ochyra = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Platyhypnidium riparioides* (Hedw.) Dixon. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- § *Platyhypnidium riparioides* var. *atlanticum* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Platyhypnidium rusciforme* M. Fleisch. *nom. illeg. incl. spec. prior.* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Platyhypnidium rusciforme* var. *atlanticum* (Brid.) Machado-Guim. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Platyhypnidium rusciforme* var. *inundatum* Riehm. *nom. illeg.* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Platyhypnidium rusciforme* var. *longifolium* Trab. *in Jelenc nom. inval. descr. Gall.* [200]
- Platyhypnidium rusciforme* var. *lusitanicum* (Schimp.) Machado-Guim. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Platyhypnidium rusciforme* var. *prolixum* (Dicks. ex Brid.) Riehm. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Platyhypnidium rusciforme* var. *squarrosum* (Boulay) Latzel [200]
- Platyhypnidium rusciforme* f. *tophacea* Besch. *nom. nud.* [200]
- Platyhypnidium torrenticola* (Ochyra, C. Schmidt & Bültmann) Ochyra & Bednarek-Ochyra = ***Rhynchostegium riparioides*** (Hedw.) Cardot [80]
- Platyhypnidium riparioides* f. *inundatum* (Brid.) Podp. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Platyhypnum rusciforme* Loeske *nom. illeg. incl. spec. prior.* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Pleuridium alternifolium* (Dicks. ex Hedw.) Brid. = ***Archidium alternifolium*** (Hedw.) Mitt.
- Pleuridium alternifolium* auct. *non* (Dicks. ex Hedw.) Brid. = ***Pleuridium subulatum*** (Hedw.) Rabenh.
- Pleuridium axillare* (Dicks. ex Sm.) Lindb. = ***Pseudephemerum nitidum*** (Hedw.) Loeske
- Pleuridium nitidum* (Hedw.) Rabenh. = ***Pseudephemerum nitidum*** (Hedw.) Loeske
- Pleuridium palustre* (Bruch & Schimp.) Bruch & Schimp. = ***Cleistocarpidium palustre*** (Bruch & Schimp.) Ochyra & Bednarek-Ochyra
- Pleuridium serrulatum* Luisier = ***Dicranella heteromalla*** (Hedw.) Schimp. [68]
- Pleuridium subulatum* (Huds.) Rabenh. *non* (Hedw.) Rabenh. = ***Pleuridium acuminatum*** Lindb.
- Pleurochaete malacophylla* (Müll. Hal.) Broth. = ***Tortella malacophylla*** (Müll. Hal.) Paris

- Pleurochaete squarrosa* (Brid.) Lindb. = ***Tortella squarrosa*** (Brid.) Limpr.
Pleurochaete squarrosa var. *brevifolia* Thér. & Trab. *nom. illeg. non J.J. Amann* = ***Tortella squarrosa*** (Brid.) Limpr.
Pleurochaete squarrosa var. *maroccana* Jelenc = ***Tortella squarrosa*** (Brid.) Limpr.
Pleuropus euchloron (Bruch ex Müll. Hal.) Broth. = ***Palamocladium euchloron*** (Bruch ex Müll. Hal.) Wijk & Margad.
Pleuropus sericeus (Hedw.) Dixon = ***Homalothecium sericeum*** (Hedw.) Schimp.
Pleurozygodon aestivum (Hedw.) Lindb. = ***Anoectangium aestivum*** (Hedw.) Mitt.
Pogonatum aloides var. *defluens* Brid. *nom. illeg. incl. var. prior.* = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum aloides var. *dicksonii* (Turner) Brid. = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum aloides var. *gombaultii* P. de la Varde [278]
Pogonatum aloides f. *longisetum* Rilstone = ***Pogonatum nanum*** (Hedw.) Beauv.
Pogonatum aloides var. *minimum* (Crome) Molendo = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum aloides var. *obtusifolium* J.J. Amann = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum alpinum (Hedw.) Röhl. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Pogonatum alpinum var. *arcticum* (Sw. ex Brid.) Brid. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Pogonatum alpinum var. *brevifolium* (R. Br.) Brid. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Pogonatum alpinum var. *simplex* Schimp. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Pogonatum alpinum var. *septentrionale* (Brid.) Brid. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Pogonatum briosianum Farneti = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum × *longisetum* (Hampe) Schimp. [382]
Pogonatum × *minimum* (Crome) Molendo [382]
Pogonatum mnioides I. Hagen *nom. illeg. incl. spec. prior.* = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum nanum var. *longisetum* Hampe ex. Bruch & Schimp. = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum subaloides (Müll. Hal.) A. Jaeger = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Pogonatum subrotundum Lindb. *nom. illeg. incl. spec. prior.* = ***Pogonatum nanum*** (Hedw.) P. Beauv.
Pogonatum urnigerum var. *crassum* Bruch & Schimp. = ***Pogonatum urnigerum*** (Hedw.) P. Beauv.
Pogonatum urnigerum var. *humile* Brid. = ***Pogonatum urnigerum*** (Hedw.) P. Beauv.
Pogonatum urnigerum f. *majus* Boulay = ***Pogonatum urnigerum*** (Hedw.) P. Beauv.
Pohlia acuminata Hornsch. = ***Pohlia elongata*** var. *acuminata* (Hornsch.) Huebener
Pohlia acuminata var. *arcuata* (Hoppe & Hornsch.) J.J. Amann = ***Pohlia elongata*** Hedw.
Pohlia acuminata var. *brachycarpa* (Hoppe & Hornsch.) Braithw. = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
Pohlia acuminata var. *polyseta* (Hoppe & Hornsch.) J.J. Amann = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
Pohlia albicans (Wahlenb.) Lindb. *nom. illeg. incl. spec. prior.* = ***Pohlia wahlenbergii*** (F. Weber & D. Mohr) A.L. Andrews
Pohlia albicans var. *calcareae* (Warnst.) P.W. Richards & E.C. Wallace = ***Pohlia wahlenbergii*** var. ***calcareae*** (Warnst.) E.F. Warb.
Pohlia albicans var. *glacialis* (Brid.) Lindb. = ***Pohlia wahlenbergii*** var. ***glacialis*** (Brid.) Lindb.
Pohlia ambigua (Limpr.) Broth. = ***Pohlia elongata*** var. *acuminata* (Hornsch.) Huebener
Pohlia annotina (Hedw. emend Correns) Loeske *hom. illeg.* = ***Pohlia camptotrachela*** (Renauld & Cardot) Broth.
Pohlia annotina var. *decipiens* Loeske = ***Pohlia annotina*** (Hedw.) Lindb.
Pohlia annotina var. *gallaecica* Luisier = ***Pohlia annotina*** (Hedw.) Broth.

- Pohlia annotina* var. *glareola* (R. Ruthe & Grebe) Warnst. = *Pohlia andalusica* (Höhn.) Broth.
- Pohlia annotina* var. *loeskei* H.A. Crum, Steere & L.E. Anderson = *Pohlia annotina* (Hedw.) Broth.
- Pohlia arctica* R. Br. = *Ptychostomum arcticum* (R. Br.) J.R. Spence ex Holyoak & Pedersen
- Pohlia arcuata* Hoppe & Hornsch. = *Pohlia elongata* Hedw.
- Pohlia bolanderi* var. *seriata* A.J. Shaw [237]
- Pohlia brachycarpa* Hoppe & Hornsch. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Pohlia carnea* (Schimp.) Lindb. = *Pohlia melanodon* (Brid.) A.J. Shaw
- Pohlia carinata* (Boulay) Broth. = *Pohlia filum* (Schimp.) Martenson
- Pohlia commutata* (Schimp.) Lindb. = *Pohlia drummondii* (Müll. Hal.) A.L. Andrews
- # *Pohlia cruda* var. *macrocarpa* Warnst. = *Pohlia cruda* (Hedw.) Lindb
- Pohlia cucullata* Bruch = *Pohlia obtusifolia* (Vill. ex Brid.) L.F. Koch
- Pohlia cucullata* (Schwägr.) Lindb. *hom. illeg.* = *Pohlia obtusifolia* (Vill. ex Brid.) L.F. Koch
- Pohlia cucullata* var. *carinata* Loeske *nom. inval.* = *Pohlia obtusifolia* (Vill. ex Brid.) L.F. Koch
- Pohlia curviseta* Hoppe & Hornsch. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Pohlia delicatula* (Hedw.) Grout *hom. illeg.* = *Pohlia melanodon* (Brid.) A.J. Shaw
- Pohlia elongata* var. *macrocarpa* (Hoppe & Hornsch.) Herzog = *Pohlia elongata* Hedw.
- Pohlia elongata* var. *minor* Hartm. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Pohlia elongata* var. *polymorpha* (Hornsch.) Nyholm = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Pohlia filiformis* (Dicks.) A.L. Andrews = *Anomobryum julaceum* (Schrad. ex P. Gaertn. *et al.*) Schimp.
- Pohlia glareola* (R. Ruthe & Grebe) Broth. = *Pohlia andalusica* (Höhn.) Broth.
- Pohlia gracilis* Hoppe & Hornsch. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Pohlia gracilis* (Bruch & Schimp.) Lindb. *hom. illeg.* = *Pohlia filum* (Schimp.) Martenson
- Pohlia grandiflora* H. Lindb. = *Pohlia annotina* (Hedw.) Lindb.
- Pohlia grandiretis* Warnst. = *Pohlia wahlenbergii* (F. Weber & D. Mohr) A.L. Andrews
- Pohlia imbricata* Schwägr = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
- Pohlia inclinata* Sw. ex Brid. = *Ptychostomum archangelicum* (Bruch & Schimp.) J.R. Spence
- Pohlia intermedia* Brid. = *Bryum intermedium* (Brid.) Blandow
- Pohlia korbiana* (Müll. Hal.) Wijk & Margad. [70]
- Pohlia maderensis* (Dixon & Luisier) Holmen & Rasmussen = *Pohlia elongata* Hedw. [311]
- \$ *Pohlia melanodon* var. *tenerrimum* = *Pohlia melanodon* (Brid.) A.J. Shaw
- Pohlia minor* Schleich. ex Schwägr. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
- Pohlia minor* subsp. *acuminata* (Hornsch.) Wijk & Margad. = *Pohlia elongata* var. *acuminata* (Hornsch.) Huebener
- Pohlia muyldermansii* R. Wilczek & Demaret = *Pohlia flexuosa* Hook.
- Pohlia nutans* var. *bicolor* (Hoppe & Hornsch.) Hult = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *bulbifera* J.J. Amann = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *caespitosa* (Hoppe & Hornsch.) Podp. = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *camptocarpa* Meyl. = *Pohlia nutans* (Hedw.) Lindb.
- # *Pohlia nutans* f. *gracilescens* Podp. *nom. illeg.* = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *longiseta* (Huebener) Delogne = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *pseudocucullata* (Limpr.) H. Müller = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *sphagnetorum* (Schimp.) Delogne = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *strangulata* (Nees) Delogne = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *subdenticulata* (Brid.) Delogne = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *uliginosa* (Schimp.) Herzog = *Pohlia nutans* (Hedw.) Lindb.
- Pohlia nutans* var. *vulgaris* Podp. *nom. illeg. incl. typ. spec.* = *Pohlia nutans* (Hedw.) Lindb.
- # *Pohlia paradoxa* Huebener = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra
- Pohlia polymorpha* Hornsch. = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw

- Pohlia polymorpha* var. *stricta* (Bruch & Schimp.) J.J. Amann = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
- Pohlia polyseta* Hope & Hornsch. = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
- Pohlia prolifera* var. *tenella* (Schiffn.) Herz. = ***Pohlia annotina*** (Hedw.) Lindb
- Pohlia pulchella* (Hedw.) Lindb. *hom. illeg.* = ***Pohlia lescuriana*** (Sull.) Ochi
- Pohlia rothii* (Correns) Broth. = ***Pohlia filum*** (Schimp.) Martensson
- Pohlia rothii* auct. non (Correns) Broth. = ***Pohlia andalusica*** (Höhn.) Broth.
- # *Pohlia rubella* Broth. = ***Pohlia filum*** (Schimp.) Martensson
- Pohlia schleicheri* H.A. Crum = ***Pohlia filum*** (Schimp.) Martensson
- Pohlia torrentium* (I. Hagen) Broth. = ***Pohlia filum*** (Schimp.) Martensson
- Pohlia tozeri* (Grev.) Delogne = ***Epipterygium tozeri*** (Grev.) Lindb.
- Pohlia zieri* (Hedw.) Schwägr. = ***Ptychostomum zieri*** (Dicks. ex Hedw.) Holyoak & N. Pedersen
- Polla horna* (Hedw.) Brid. ex Loeske = ***Mnium hornum*** Hedw.
- Polla lycopodioides* (Schwägr.) Brid. ex Loeske = ***Mnium lycopodioides*** Schwägr.
- Polla marginata* (Dicks. ex Whith.) Loeske = ***Mnium marginatum*** (Dicks. ex With.) P. Beauv.
- Polla orthorrhyncha* auct. non Brid. = ***Mnium thomsonii*** Schimp.
- Polla riparia* (Mitt.) Loeske = ***Mnium marginatum*** (Dicks. ex With.) P. Beauv.
- Polla spinosa* (Voit) Brid. ex Loeske = ***Mnium spinosum*** (Voit) Schwägr.
- Polla spinulosa* (Bruch & Schimp.) Loeske = ***Mnium spinulosum*** Bruch & Schimp.
- Polytrichastrum alpinum* var. *arcticum* (Sw. ex Brid.) Brid. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichastrum alpinum* var. *septentrionale* (Brid.) G.L. Sm. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichastrum formosum* (Hedw.) G.L. Sm. = ***Polytrichum formosum*** Hedw.
- Polytrichastrum longisetum* (Sw. ex Brid.) G.L. Sm. = ***Polytrichum longisetum*** Sw. ex Brid.
- Polytrichastrum pallidisetum* (Funck) G.L. Sm. = ***Polytrichum pallidisetum*** Funck
- Polytrichum aloides* Hedw. = ***Pogonatum aloides*** (Hedw.) P. Beauv.
- Polytrichum aloides* var. *dicksonii* (Turner) Lilj. = ***Pogonatum aloides*** (Hedw.) P. Beauv.
- Polytrichum aloides* var. *minimum* (Crome) Blandow = ***Pogonatum aloides*** (Hedw.) P. Beauv.
- Polytrichum alpestre* Hoppe = ***Polytrichastrum strictum*** Menzies ex Brid.
- Polytrichum alpinum* Hedw. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichum alpinum* var. *arcticum* (Sw. ex Brid.) Wahlenb. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichum alpinum* var. *pyriforme* J. Froehl. [383]
- Polytrichum alpinum* var. *septentrionale* (Brid.) Lindb. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichum angustatum* Brid. = ***Atrichum angustatum*** (Brid.) Bruch & Schimp.
- Polytrichum arcticum* Sw. ex Brid. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichum attenuatum* Brid. = ***Polytrichum formosum*** Hedw.
- Polytrichum aurantiacum* Hoppe ex Brid. = ***Polytrichum longisetum*** Sw. ex Brid.
- Polytrichum brevifolium* R. Br. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
- Polytrichum commune* var. *ehrenbergii* Lorentz [363]
- Polytrichum commune* var. *humile* Sw. = ***Polytrichum commune*** Hedw.
- Polytrichum commune* var. *minus* F. Weiss ex De Not. *hom. illeg.* = ***Polytrichum commune*** Hedw.
- Polytrichum commune* var. *nigrescens* Warnst = ***Polytrichum swartzii*** Hartm.
- Polytrichum commune* var. *perigoniale* (Michx.) Hampe = ***Polytrichum commune*** Hedw.
- Polytrichum commune* var. *swartzii* (Hartm.) Nyholm = ***Polytrichum swartzii*** Hartm.
- Polytrichum commune* var. *uliginosum* Wallr. = ***Polytrichum uliginosum*** (Wallr.) Schriebl
- Polytrichum commune* var. *yuccaefolium* (Ehrh. ex Funck) Hook. & Taylor = ***Polytrichum commune*** Hedw.
- Polytrichum decipiens* Limpr. = ***Polytrichum pallidisetum*** Funck
- Polytrichum dicksonii* Turner = ***Pogonatum aloides*** (Hedw.) P. Beauv.

- Polytrichum formosum* var. *pallidisetum* (Funck) Steud. = ***Polytrichum pallidisetum*** Funck
Polytrichum fragile Bryhn = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Polytrichum gracile Dicks. = ***Polytrichum longisetum*** Sw. ex Brid.
Polytrichum hercynicum Hedw. = ***Oligotrichum hercynicum*** (Hedw.) Lam & DC.
Polytrichum hoppii Hornsch. = ***Polytrichum piliferum*** Hedw.
Polytrichum jensenii I. Hagen = ***Polytrichum commune*** Hedw.
Polytrichum juniperinum var. *affine* (Funck) Brid. = ***Polytrichum strictum*** Menzies ex Brid.
Polytrichum juniperinum var. *alpestre* (Hoppe) Röhl. = ***Polytrichum strictum*** Menzies ex Brid.
Polytrichum juniperinum var. *alpinum* Schimp. = ***Polytrichum juniperinum*** Hedw.
Polytrichum juniperinum var. *glaucescens* Meyran *nom. nud.* = ***Polytrichum juniperinum*** Hedw.
Polytrichum juniperinum subsp. *strictum* (Menzies ex Brid.) Nyl. & Saelán = ***Polytrichum strictum*** Menzies ex Brid.
Polytrichum juniperinum var. *strictum* (Menzies ex Brid.) Röhl. *nom. illeg.* = ***Polytrichum strictum*** Menzies ex Brid.
Polytrichum leonii Papp = ***Polytrichum commune*** Hedw.
Polytrichum nanum Hedw. = ***Pogonatum nanum*** (Hedw.) P. Beauv.
Polytrichum norvegicum auct. non Hedw. = ***Polytrichastrum sexangulare*** (Brid.) G.L. Sm.
Polytrichum perigoniale Michx. = ***Polytrichum commune*** Hedw.
Polytrichum piliferum var. *flavipillum* Luisier = ***Polytrichum piliferum*** Hedw.
Polytrichum piliferum var. *hoppei* (Hornsch.) Rabenh. = ***Polytrichum piliferum*** Hedw.
Polytrichum pilosum Neck. ex Lindb. *nom. illeg. incl. spec. prior.* = ***Polytrichum piliferum*** Hedw.
Polytrichum polysetum Hook. & Arn. *nom. nud.* = ***Polytrichum longisetum*** Sw. ex Brid.
Polytrichum pumilum Sw. ex Hedw. = ***Pogonatum nanum*** (Schreb. ex Hedw.) P. Beauv.
Polytrichum septentrionale Brid. = ***Polytrichastrum alpinum*** (Hedw.) G.L. Sm.
Polytrichum sexangulare Flörke ex Brid. = ***Polytrichastrum sexangulare*** (Flörke ex Brid.) G.L. Sm.
Polytrichum strictum var. *alpestre* (Hoppe) Rabenh. = ***Polytrichum strictum*** Menzies ex Brid.
Polytrichum subaloides var. *minus* Müll. Hal. = ***Pogonatum aloides*** (Hedw.) P. Beauv.
Polytrichum subrotundum Menzies ex Brid. = ***Pogonatum nanum*** (Hedw.) P. Beauv.
Polytrichum undulatum Hedw. = ***Atrichum undulatum*** (Hedw.) P. Beauv.
Polytrichum urnigerum Hedw. = ***Pogonatum urnigerum*** (Hedw.) P. Beauv.
Polytrichum yuccaeifolium Ehrh. ex Funck = ***Polytrichum commune*** Hedw.
Porotrichum alopecurum (Hedw.) Dixon = ***Thamnobryum alopecurum*** (Hedw.) Gangulee
Pottia xandalusica Ros & R. Oliva = ***Microbryum fosbergii*** (E.B. Bartram) Ros, O. Werner & Rams
Pottia apertii Warnst. = ***Microbryum starckeanum*** agg.
Pottia asperula Mitt. = ***Tortula wilsonii*** (Hook.) R.H. Zander
Pottia barbuloides (Durieu ex Schimp.) Husn. *nom. illeg.* = ***Pterygoneurum lamellatum*** (Lindb.) Jur.
Pottia bryoides (Dicks.) Mitt. = ***Tortula protobryoides*** R.H. Zander
Pottia bryoides var. *brachycarpa* (Schimp.) Schiffn. = ***Tortula protobryoides*** R.H. Zander
Pottia bryoides var. *pilifera* Schultz = ***Tortula protobryoides*** R.H. Zander
Pottia caespitosa (Bruch ex Brid.) Müll. Hal. = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Pottia cavifolia Ehrh. ex Fűrnr. = ***Pterygoneurum ovatum*** (Hedw.) Dixon
Pottia cavifolia var. *barbuloides* Durieu ex Schimp. = ***Pterygoneurum lamellatum*** (Lindb.) Jur.
Pottia cavifolia var. *gracilis* (Hook. & Taylor) Wilson *nom. illeg.* = ***Pterygoneurum lamellatum*** (Lindb.) Jur.
Pottia cavifolia var. *epilosa* (Brid.) Schimp. = ***Pterygoneurum ovatum*** (Hedw.) Dixon
Pottia cavifolia var. *incana* (Nees & Hornsch.) Rabenh. = ***Pterygoneurum ovatum*** (Hedw.) Dixon

- Pottia cavifolia* var. *perraldieri* Besch. = *Pterygoneurum ovatum* var. *perraldieri* (Besch.) Wijk & Margad. [294]
- Pottia combae* (De Not.) De Not. = *Tortula wilsonii* (Hook.) R.H. Zander
- Pottia commutata* Limpr. = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia conica* (Schleich. ex Schwägr.) Nyholm = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia crinita* Bruch & Schimp. = *Tortula viridifolia* (Mitt.) Blockeel & A.J.E. Sm.
- Pottia crinita* subsp. *viridifolia* (Mitt.) Kindb. = *Tortula viridifolia* (Mitt.) Blockeel & A.J.E. Sm.
- Pottia crinita* subsp. *wilsonii* Kindb. *nom. illeg.* = *Tortula wilsonii* (Hook.) R.H. Zander
- Pottia cuneifolia* Solms ex Schimp. = *Tortula pallida* (Lindb.) R.H. Zander
- Pottia curvicolla* (Hedw.) Mitt. = *Microbryum curvicolium* (Hedw.) R.H. Zander
- # *Pottia curvirostris* Ehrh. *nom. nud.* = *Hymenostylium recurvirostre* (Hedw.) Dixon
- Pottia davalliana* (Sm.) C.E.O. Jensen = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia davalliana* var. *conica* (Schleich. ex Schwägr.) Podp. = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia davalliana* subsp. *commutata* (Limpr.) Podp. = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia davalliana* var. *rufescens* (Schultz) I. Hagen = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia fleischeri* Warnst. = *Tortula viridifolia* (Mitt.) Blockeel & A.J.E. Sm.
- Pottia fosbergii* E.B. Bartram = *Microbryum fosbergii* (E.B. Bartram) Ros, O. Werner & Rams
- Pottia heimii* (Hedw.) Hampe = *Hennediella heimii* (Hedw.) R.H. Zander
- Pottia holtii* Müll. Hal. *nom. illeg.* = *Trichostomum brachydontium* Bruch
- Pottia illyrica* Latzel = *Tortula truncata* (Hedw.) Mitt.
- Pottia intermedia* (Turner) Fűrnr. = *Tortula caucasica* Broth.
- Pottia intermedia* var. *corsa* M. Fleisch. & Warnst. = *Tortula pallida* (Lindb.) R.H. Zander
- Pottia intermedia* var. *littoralis* (Mitt.) Corb. = *Tortula pallida* (Lindb.) R.H. Zander
- Pottia lamellata* (Lindb.) Boulay = *Pterygoneurum lamellatum* (Lindb.) Jur.
- Pottia lanceolata* (Hedw.) Müll. Hal. = *Tortula lindbergii* Broth.
- Pottia lanceolata* var. *albescens* Corb. *in* Jelenc = *Tortula lindbergii* Broth.
- Pottia lanceolata* var. *albidens* Corb. = *Tortula lindbergii* Broth.
- Pottia lanceolata* var. *angustata* (Bruch & Schimp.) Müll. Hal. = *Tortula wilsonii* (Hook.) R.H. Zander
- Pottia lanceolata* var. *gasilieni* (Venturi) Corb. = *Tortula lindbergii* Broth.
- Pottia lanceolata* var. *gymnostoma* Schimp. = *Tortula caucasica* Broth.
- Pottia lanceolata* var. *intermedia* (Turner) Milde *nom. illeg.* = *Tortula caucasica* Broth.
- Pottia lanceolata* var. *lejolisii* Corb. = *Tortula lindbergii* Broth.
- Pottia lanceolata* subsp. *leucodonta* (Schimp.) Boulay = *Microbryum starckeanum* (Hedw.) Müll. Hal.
- Pottia lanceolata* var. *leucodonta* Schimp. = *Microbryum starckeanum* (Hedw.) Müll. Hal.
- Pottia lanceolata* subsp. *littoralis* (Mitt.) Kindb. = *Tortula pallida* (Lindb.) R.H. Zander
- Pottia lanceolata* var. *papillosa* Corb. = *Tortula lindbergii* Broth.
- Pottia latifolia* (Schwägr.) Müll. Hal. = *Stegonia latifolia* (Schwägr.) Venturi ex Broth.
- # *Pottia latifolia* var. *glacialis* Meyran *nom. nud.* = *Stegonia latifolia* (Schwägr.) Venturi ex Broth.
- Pottia latifolia* var. *pilifera* (Brid.) Müll. Hal. = *Stegonia latifolia* (Schwägr.) Venturi ex Broth.
- Pottia littoralis* Mitt. = *Tortula pallida* (Lindb.) R.H. Zander
- Pottia leucodonta* Schimp. *nom. nud.* = *Microbryum starckeanum* (Hedw.) R.H. Zander
- Pottia leucostoma* Schimp. ex Besch. *nom. nud.* = *Tortula lindbergii* Broth.
- Pottia microphylla* Warnst. = *Microbryum starckeanum* agg.
- Pottia minutula* (Schwägr.) Hampe = *Microbryum davallianum* (Sm.) R.H. Zander
- Pottia minutula* var. *brachyoda* (Bruch & Schimp.) Husn. = *Microbryum starckeanum* (Hedw.) R.H. Zander

- Pottia minutula* var. *conica* (Schleich. ex Schwägr.) Bruch & Schimp. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia minutula* var. *mutica* (Venturi) Husn. = *Microbryum starckeanum* agg.
- Pottia minutula* var. *rufescens* (Schultz) Bruch & Schimp. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia mitternii* Corb. *nom. illeg. incl. sp. prior.* = ***Tortula wilsonii*** (Hook.) R.H. Zander
- Pottia mouretii* Corb. = *Stegonia mouretii* (Corb.) Broth. [90]
- Pottia mutica* Venturi in De Not. = *Microbryum starckeanum* agg.
- Pottia mutica* var. *gymnostoma* Corb. = *Microbryum starckeanum* agg.
- Pottia mutica* var. *leucodonta* Corb. = *Microbryum starckeanum* agg.
- Pottia notarisi* Schimp. = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia pallida* Lindb. = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia pallida* var. *longicuspis* Warnst. = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia pallida* var. *venusta* (Jur.) Giacom. = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia propagulifera* Herzog = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia pusilla* Lindb. = ***Pterygoneurum ovatum*** (Hedw.) Dixon
- Pottia recta* (With.) Mitt. = ***Microbryum rectum*** (With.) R.H. Zander
- Pottia rufescens* (Schultz) Warnst. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia rufescens* var. *conica* (Schleich. ex Schwägr.) Giacom. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia recurvifolia* Warnst. = *Microbryum starckeanum* agg.
- Pottia salina* Warnst. = *Microbryum starckeanum* agg.
- Pottia sampaiana* Machado-Guim. = ***Pterygoneurum sampaianum*** (Machado-Guim.) Machado-Guim.
- Pottia starckea* (Hedw.) Müll. Hal. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Pottia starckea* var. *affinis* (Hook. & Taylor.) Braithw. = *Microbryum starckeanum* agg.
- Pottia starckea* var. *brachyodus* (Bruch & Schimp.) Müll. Hal. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Pottia starckea* subsp. *conica* (Schleich. ex Schwägr.) D.F. Chamb. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia starckea* var. *dextrorsa* Limpr. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia starckea* var. *leiostoma* Corb. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Pottia starckea* subsp. *minutula* (Schwägr.) D.F. Chamb. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia starckea* var. *minutula* (Schwägr.) Corb. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia starkei* Lindb. *nom. illeg.* = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Pottia starkei* var. *affinis* (Hook. & Taylor.) Braithw. *nom. illeg.* = *Microbryum starckeanum* agg.
- Pottia starkei* var. *gymnostoma* Lindb. = ***Microbryum davallianum*** (Sm.) R.H. Zander
- Pottia truncata* (Hedw.) Müll. Hal. = ***Tortula truncata*** (Hedw.) Mitt.
- Pottia truncata* f. *archidioides* Besch. = *Pottia truncata* var. *archidioides* (Besch.) Paris [207]
- Pottia truncata* var. *archidioides* (Besch.) Paris [207]
- Pottia truncata* var. *intermedia* (Turner) Ångstr. *nom. illeg.* = ***Tortula caucasica*** Broth.
- Pottia truncata* var. *littoralis* (Mitt.) Warnst. = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia truncata* var. *major* (F. Weber & D. Mohr) Bruch & Schimp. = ***Tortula caucasica*** Broth.
- Pottia truncata* var. *subcylindrica* Bruch & Schimp. [207]
- Pottia truncatula* (With.) Buse *nom. illeg.* = ***Tortula truncata*** (Hedw.) Mitt.
- Pottia truncatula* subsp. *littoralis* (Mitt.) J.J. Amann = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia truncatula* var. *major* (F. Weber & D. Mohr) Brockm. = ***Tortula caucasica*** Broth.
- Pottia truncatula* var. *minor* Ehrh. = ***Tortula truncata*** (Hedw.) Mitt.
- Pottia venusta* Jur. = ***Tortula pallida*** (Lindb.) R.H. Zander
- Pottia viridifolia* Mitt. = ***Tortula viridifolia*** (Mitt.) Blockeel & A.J.E. Sm.
- Pottia wilsonii* (Hook.) Bruch & Schimp. = ***Tortula wilsonii*** (Hook.) R.H. Zander
- Pottia wilsonii* subsp. *asperula* (Mitt.) Kindb. = ***Tortula wilsonii*** (Hook.) R.H. Zander

- Pottia wilsonii* var. *crinita* (Wilson ex Bruch & Schimp.) = *Tortula viridifolia* (Mitt.) Blockeel & A.J.E. Sm.
- Pottiella recta* (With.) Gams = *Microbryum rectum* (With.) R.H. Zander
- Pottiella curvicollis* (Hedw.) Gams = *Microbryum curvicollum* (Hedw.) R.H. Zander
- Protobryum bryoides* (Dicks.) J. Guerra & M.J. Cano = *Tortula protobryoides* R.H. Zander
- Pseudephemerum axillare* (Sm.) I. Hagen = *Pseudephemerum nitidum* (Hedw.) Reimers
- Pseudocalliergon lycopodioides* (Brid.) Hedenäs = *Drepanocladus lycopodioides* (Brid.) Warnst.
- Pseudocalliergon trifarium* (F. Weber & D. Mohr) Loeske = *Drepanocladus trifarius* (F. Weber & D. Mohr) Broth. ex Paris
- Pseudocalliergon turgescens* (T. Jensen) Loeske = *Drepanocladus turgescens* (T. Jensen) Broth.
- Pseudoisothecium myosuroides* (Brid.) Grout *err. orthogr. pro Pseudisothecium myosuroides* (Brid.) Grout = *Isothecium myosuroides* Brid.
- Pseudolepidopilum virens* (Cardot) Luisier *comb. inval.* = *Tetrastichium virens* (Cardot) S.P. Churchill
- Pseudoleskea atrovirens* (Dicks. ex Brid.) Schimp. = *Pseudoleskea incurvata* (Hedw.) Loeske
- Pseudoleskea atrovirens* var. *brachyclados* (Schwägr.) Schimp. [384]
- Pseudoleskea atrovirens* var. *decipiens* Bott. = *Lescuraea saxicola* (Schimp.) Molendo
- Pseudoleskea atrovirens* var. *filamentosa* Boulay = *Pseudoleskea incurvata* (Hedw.) Loeske
- Pseudoleskea atrovirens* var. *intermedia* Boulay = *Pseudoleskea incurvata* (Hedw.) Loeske
- Pseudoleskea atrovirens* subsp. *patens* (Lindb.) Giacom. = *Lescuraea patens* Lindb.
- Pseudoleskea atrovirens* var. *tenuiretis* (Culm.) Giacom. = *Pseudoleskea incurvata* (Hedw.) Loeske
- Pseudoleskea brachyclados* (Schwägr.) Kindb. [384]
- Pseudoleskea catenulata* (Brid. ex Schrad.) Schimp. = *Pseudoleskeella catenulata* (Brid. ex Schrad.) Kindb.
- Pseudoleskea catenulata* var. *acuminata* (Culm.) Crundw. = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & L. Söderstr.
- Pseudoleskea catenulata* var. *subtectorum* Thér. = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & L. Söderstr.
- Pseudoleskea decipiens* (Limpr.) Loeske = *Lescuraea saxicola* (Schimp.) Molendo
- Pseudoleskea denudata* (Kindb.) Best = *Lescuraea radicata* (Mitt.) Mönk.
- Pseudoleskea filamentosa* (With.) C.E.O. Jensen = *Pseudoleskea incurvata* (Hedw.) Loeske
- Pseudoleskea illyrica* Glow. = *Lescuraea saviana* (De Not.) E. Lawton
- Pseudoleskea incurvata* (Hedw.) Loeske = *Lescuraea incurvata* (Hedw.) E. Lawton
- Pseudoleskea patens* (Lindb.) Kindb. = *Lescuraea patens* Lindb.
- Pseudoleskea perraldieri* Besch. [75]
- Pseudoleskea plicata* (Schleich. ex F. Weber & D. Mohr) Kindb. = *Lescuraea plicata* (Schleich. ex F. Weber & D. Mohr) Broth.
- Pseudoleskea radicata* (Mitt.) Macoun & Kindb. = *Lescuraea radicata* (Mitt.) Mönk.
- Pseudoleskea radicata* var. *denudata* (Kindb.) Wijk & Margad. = *Lescuraea radicata* (Mitt.) Mönk.
- Pseudoleskea radicata* var. *meridionalis* Culm. = *Lescuraea saviana* (De Not.) E. Lawton
- Pseudoleskea rigescens* Lindb. *nom. illeg. incl. spec. prior.* = *Lescuraea radicata* (Mitt.) Mönk.
- Pseudoleskea saviana* (De Not.) Lazten = *Lescuraea saviana* (De Not.) E. Lawton
- Pseudoleskeella sibirica* (Arnell) P.S. Wilson & D.H. Norris = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & L. Söderstr.
- Pseudoleskea striata* (Schwägr.) Dixon = *Lescuraea mutabilis* (Brid.) Lindb.
- Pseudoleskea striata* var. *saxicola* (Schimp.) Dixon = *Lescuraea saxicola* (Schimp.) Milde
- Pseudoleskea tectorum* (Funck ex Brid.) Schimp. = *Pseudoleskeella tectorum* (Funck ex Brid.) Kindb. ex Broth.
- Pseudoleskea ticinensis* Bott. = *Lescuraea patens* Lindb.

- Pseudoleskeella catenulata* var. *acuminata* (Culm.) J.J. Amann = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & Söderstr.
- Pseudoleskeella mildeana* (De Not.) J.J. Amann = *Pseudoleskeella tectorum* (Funck ex Brid.) Kindb. ex Broth.
- Pseudoleskeella sibirica* (Arnell) P.S. Wilson & D.H. Norris = *Pseudoleskeella rupestris* (Berggr.) Hedenäs & L. Söderstr.
- Pseudoleskeella teneriffae* H. Winter = *Heterocladium wulfsbergii* I. Hagen
- Pseudoleskeopsis artariae* (Thér.) Thér. = *Pseudoleskea artariae* Thér.
- Pseudostereodon procerrimus* (Molendo) M. Fleisch. = *Hypnum procerrimum* Molendo
- Pterigynandrum filiforme* var. *decipiens* (F. Weber & D. Mohr) Limpr. = *Pterigynandrum filiforme* var. *majus* (De Not.) De Not.
- Pterigynandrum filiforme* f. *filescens* (Boulay) Limpr. = *Pterigynandrum filiforme* Hedw.
- Pterigynandrum filiforme* var. *filescens* (Boulay) Boulay = *Pterigynandrum filiforme* Hedw.
- Pterigynandrum filiforme* var. *heteropterum* (Brid.) Schimp. = *Pterigynandrum filiforme* var. *majus* (De Not.) De Not.
- Pterigynandrum filiforme* var. *montanense* Wheldon = *Pterigynandrum filiforme* Hedw.
- Pterigynandrum filiforme* var. *propaguliferum* Dism. in Jelenc *nom. nud.* [289]
- Pterigynandrum filiforme* var. *robusta* (Schimp. ex Braithw.) H.A. Crum & L.E. Anderson = *Pterigynandrum filiforme* Hedw.
- Pterigynandrum gracile* Hedw. = *Nogopterium gracile* (Hedw.) Crosby & W.R. Buck
- Pterigynandrum heteropterum* Brid. = *Heterocladium heteropterum* (Brid.) Schimp.
- Pterigynandrum repens* Brid. = *Platygyrium repens* (Brid.) Schimp.
- Pterigynandrum sciuroides* (Hedw.) Brid. = *Leucodon sciuroides* (Hedw.) Schwägr.
- Pterigynandrum smithii* (Hedw.) Lam. & DC. = *Leptodon smithii* (Hedw.) F. Weber & D. Mohr
- Pterigynandrum striatum* (Schwägr.) Duby = *Lescuraea mutabilis* (Brid.) Lindb.
- Pterogonium filiforme* (Hedw.) Schwägr. = *Pterigynandrum filiforme* Hedw.
- Pterogonium filiforme* var. *heteropterum* (Brid.) Schimp. ex Boulay = *Heterocladium heteropterum* (Brid.) Schimp.
- Pterogonium gracile* (Hedw.) Sm. = *Nogopterium gracile* (Hedw.) Crosby & W.R. Buck
- Pterogonium gracile* var. *parvulum* G. Roth ex Zodda = *Nogopterium gracile* (Hedw.) Crosby & W.R. Buck
- Pterogonium heteropterum* (Brid.) Bruch = *Heterocladium heteropterum* (Brid.) Schimp.
- Pterogonium nervosum* (Brid.) Schwägr. = *Pseudoleskeella nervosa* (Brid.) Nyholm
- Pterogonium ornithopodioides* (F. Weber & D. Mohr) Lindb. *nom. illeg.* = *Nogopterium gracile* (Hedw.) Crosby & W.R. Buck
- Pterogonium perpusillum* De Not. = *Habrodon perpusillus* (De Not.) Lindb.
- Pterogonium repens* (Brid.) Schwägr. = *Platygyrium repens* (Brid.) Schimp.
- Pterogonium sciuroides* (Hedw.) Turner = *Leucodon sciuroides* (Hedw.) Schwägr.
- Pterogonium smithii* (Hedw.) Sm. = *Leptodon smithii* (Hedw.) F. Weber & D. Mohr
- Pterogonium striatum* Hedw. = *Lescuraea mutabilis* (Brid.) Lindb.
- Pterogonium subnervium* Spruce = *Habrodon perpusillus* (De Not.) Lindb.
- Pterogonium tectorum* A. Braun *nom. inval. in synonym.* = *Pseudoleskeella tectorum* (Funck ex Brid.) Kindb. ex Broth.
- Pterygoneurum arcticum* Steere = *Pterygoneurum lamellatum* (Lindb.) Jur.
- Pterygoneurum cavifolium* Jur. *nom. illeg.* = *Pterygoneurum ovatum* (Hedw.) Dixon
- Pterygoneurum cavifolium* var. *humile* J.J. Amann = *Pterygoneurum sampaianum* (Machado-Guim.) Machado-Guim.
- Pterygoneurum cavifolium* var. *incanum* (Nees & Hornsch.) Jur. = *Pterygoneurum ovatum* (Hedw.) Dixon
- Pterygoneurum cavifolium* var. *muticum* Schiffn. *nom. illeg.* = *Pterygoneurum sampaianum* (Machado-Guim.) Machado-Guim.
- Pterygoneurum cavifolium* var. *perraldieri* (Besch.) Paris *nom. illeg.* = *Pterygoneurum ovatum* var. *perraldieri* (Besch.) Wijk & Margad. [294]
- Pterygoneurum ovatum* f. *epilosum* (Brid.) Podp. = *Pterygoneurum ovatum* (Hedw.) Dixon

- Pterygoneurum ovatum* var. *humile* (J.J. Amann) Podp. = *Pterygoneurum sampaianum* (Machado-Guim.) Machado-Guim.
Pterygoneurum ovatum f. *incanum* (Nees & Hornsch.) C.E.O. Jensen = *Pterygoneurum ovatum* (Hedw.) Dixon
Pterygoneurum ovatum var. *perraldieri* (Besch.) Wijk & Margad. [294]
Pterygoneurum pusillum (Lindb.) C.E.O. Jensen = *Pterygoneurum ovatum* (Hedw.) Dixon
Pterygoneurum pusillum var. *incanum* (Nees & Hornsch.) Broth. = *Pterygoneurum ovatum* (Hedw.) Dixon
Pterygophyllum laetevirens (Hook & Taylor) Brid. = *Cyclodictyon laetevirens* (Hook. & Taylor) Mitt.
Pterygophyllum lucens (Hedw.) Brid. = *Hookeria lucens* (Hedw.) Sm.
Ptychodium albidum J.J. Amann = *Brachythecium geheebii* Milde
Ptychodium decipiens Limpr. = *Lescuraea saxicola* (Schimp.) Molendo
Ptychodium erectum Culm. = *Lescuraea plicata* (Schleich. ex F. Weber & D. Mohr) Broth.
Ptychodium pfundneri Limpr. = *Lescuraea radicata* (Mitt.) Mönk.
Ptychodium plicatum (Schleich. ex F. Weber & D. Mohr) Schimp. = *Lescuraea plicata* (Schleich. ex F. Weber & D. Mohr) Broth.
Ptychodium plicatum var. *erectum* (Culm.) Paris = *Lescuraea plicata* (Schleich. ex F. Weber & D. Mohr) Broth.
Ptychodium tauricum Sapjegin = *Lescuraea saviana* (De Not.) E. Lawton
Ptychomitrium azoricum (Cardot) Paris = *Ptychomitrium polyphyllum* (Dicks. ex Sw.) Bruch & Schimp.
Ptychomitrium glyphomtrioides (Bals.-Criv. & De Not.) Venturi & Bott. = *Ptychomitrium incurvum* (Schwägr.) Spruce
Ptychomitrium nigricans Schimp. *nom. illeg. incl. spec. prior.* = *Ptychomitrium nigrescens* (Kunze) Wijk & Margad.
Ptychomitrium nigricans var. *albidens* Zodda = *Ptychomitrium nigrescens* (Kunze) Wijk & Margad.
Ptychomitrium polyphyllum var. *procerum* (Schimp.) Cardot = *Ptychomitrium polyphyllum* (Dicks. ex Sw.) Bruch & Schimp.
Ptychomitrium procerum Schimp. *nom. nud.* = *Ptychomitrium polyphyllum* (Dicks. ex Sw.) Bruch & Schimp.
Ptychomitrium pusillum Bruch & Schimp. = *Ptychomitrium incurvum* (Schwägr.) Spruce
Ptychostomum pallescens (Schleich. ex Schwägr.) J.R. Spence = *Ptychostomum boreale* (F. Weber & D. Mohr) Ochyra & Bednarek-Ochyra [77]
Ptychostomum pendulum Hornsch. = *Ptychostomum compactum* Hornsch.
Ptychostomum radicosolum Brid. = *Ptychostomum cernuum* (Hedw.) Hornsch.
Pylaisia bollei De Not. = *Orthothecium intricatum* (Hartm.) Schimp.
Pylaisia longifolia Röhl = *Pylaisia polyantha* (Hedw.) Schimp.
Pylaisia polyantha f. *gracillima* Besch. [199]
Pylaisia rufescens (Dicks. ex Brid.) De Not. = *Orthothecium rufescens* (Dicks. ex Brid.) Schimp.
Pylaisiella polyantha (Hedw.) Grout = *Pylaisia polyantha* (Hedw.) Schimp.
Pyramidium tetragonum (Brid.) Brid. = *Pyramidula tetragona* (Brid.) Brid.
Pyramidula algeriensis Chud. & Douin = *Pyramidula tetragona* (Brid.) Brid.
Pyramidula tetragona var. *zoddae* Bott. = *Pyramidula tetragona* (Brid.) Brid.

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- Racomitrium aciculare* var. *angustifolium* Höhn. = *Racomitrium aciculare* (Hedw.) Brid.
Racomitrium aciculare var. *brevicaule* Meyran *nom. nud.* = *Racomitrium aciculare* (Hedw.) Brid.
Racomitrium aciculare f. *purpurascens* Zodda = *Racomitrium aciculare* (Hedw.) Brid.
Racomitrium aciculare var. *radicosum* Machado-Guim. = *Racomitrium aciculare* (Hedw.) Brid.
Racomitrium affine auct. angl. = *Racomitrium sudeticum* (Funck) Bruch & Schimp.

- Racomitrium alopecurum* Brid. *nom. illeg. incl. spec. prior.* = ***Racomitrium affine*** (F. Weber & D. Mohr) Lindb.
- # *Racomitrium canescens* var. *alpinum* Meyran *nom. nud.* = ***Racomitrium canescens*** (Hedw.) Brid.
- # *Racomitrium canescens* var. *calcicola* Meyran *nom. nud.* = ***Racomitrium canescens*** (Hedw.) Brid.
- Racomitrium canescens* var. *epilosum* H. Müll. *ex Milde* = ***Racomitrium ericoides*** (Brid.) Brid.
- Racomitrium canescens* var. *ericoides* (Brid.) Hampe = ***Racomitrium ericoides*** (Brid.) Brid.
- Racomitrium canescens* var. *intermedium* Venturi & Bott. = ***Racomitrium elongatum*** Ehrh. *ex Frisvoll*
- Racomitrium canescens* subsp. *mollissimum* (H. Philib.) J.J. Amann = ***Racomitrium canescens*** (Hedw.) Brid. subsp. ***canescens***
- Racomitrium canescens* var. *prolixum* Bruch & Schimp = ***Racomitrium canescens*** (Hedw.) Brid. subsp. ***canescens***
- Racomitrium canescens* var. *strictum* Schlieph. = ***Racomitrium canescens*** (Hedw.) Brid. subsp. ***canescens***
- Racomitrium canescens* f. *tortuloides* (Herz.) Loeske = ***Racomitrium canescens*** (Hedw.) Brid.
- Racomitrium cataractarum* Brid. = ***Racomitrium aquaticum*** (Brid. *ex Schrad.*) Brid.
- Racomitrium dixonii* Machado-Guim. = ***Racomitrium lamprocarpum*** (Müll. Hal.) A. Jaeger
- Racomitrium flavipes* Brid. *nom. illeg. incl. spec. prior.* = ***Dialytrichia mucronata*** (Brid.) Broth.
- Racomitrium heterostichum* var. *affine* (F. Weber & D. Mohr) Lesq. = ***Racomitrium affine*** (F. Weber & D. Mohr) Lindb.
- Racomitrium heterostichum* var. *alopecurum* Huebener = ***Racomitrium affine*** (F. Weber & D. Mohr) Lindb.
- Racomitrium heterostichum* var. *alpestre* Schimp. *nom. nud. in synon.* = ***Racomitrium obtusum*** (Brid.) Brid.
- Racomitrium heterostichum* var. *canescens* Meyran *nom. nud.* = ***Racomitrium heterostichum*** (Hedw.) Brid.
- Racomitrium heterostichum* var. *gracilescens* Bruch & Schimp. = ***Racomitrium affine*** (F. Weber & D. Mohr) Lindb.
- Racomitrium heterostichum* var. *microcarpum* (Hedw.) Boulay = ***Racomitrium microcarpon*** (Hedw.) Brid.
- Racomitrium heterostichum* var. *obtusum* (Brid.) Delogne = ***Racomitrium obtusum*** (Brid.) Brid.
- Racomitrium heterostichum* var. *pulvinatum* Buys. = ***Racomitrium heterostichum*** (Hedw.) Brid.
- Racomitrium heterostichum* var. *sudeticum* (Funck) E. Bauer = ***Racomitrium sudeticum*** (Funck) Bruch & Schimp.
- Racomitrium heterostichum* var. *validius* Jur *ex Loeske nom. inval. in synon. err. pro R. sudeticum* var. *validius* Jur. = ***Racomitrium heterostichum*** (Hedw.) Brid.
- Racomitrium heterostichum* var. *vulgare* Loeske *nom. illeg. incl. typ. spec.* = ***Racomitrium heterostichum*** (Hedw.) Brid.
- Racomitrium hypnoides* Lindb. = ***Racomitrium lanuginosum*** (Hedw.) Brid.
- Racomitrium incurvum* (Hoppe & Hornsch.) Huebener = ***Grimmia elatior*** Bruch *ex Bals.-Criv. & De Not.*
- Racomitrium lanuginosum* var. *alpestre* Meyran *nom. nud.* = ***Racomitrium lanuginosum*** (Hedw.) Brid.
- Racomitrium lanuginosum* var. *robustum* (Lindb.) Lindb. = ***Racomitrium lanuginosum*** (Hedw.) Brid.
- Racomitrium lanuginosum* var. *subimberbe* (Hartm.) Hartm. = ***Racomitrium lanuginosum*** (Hedw.) Brid.
- Racomitrium levieri* Kindb. = ***Racomitrium lamprocarpum*** (Müll. Hal.) A. Jaeger
- Racomitrium patens* (Hedw.) Huebener = ***Grimmia ramondii*** (Lam. & DC.) Margad.

- Racomitrium polyphyllum* (Sw.) Brid. = *Ptychomitrium polyphyllum* (Sw.) Bruch & Schimp.
- Racomitrium protensum* (A. Braun ex Duby) Huebener = *Racomitrium aquaticum* (Brid. ex Schrad.) Brid.
- Racomitrium ramulosum* Lindb. = *Racomitrium microcarpon* (Hedw.) Brid.
- Racomitrium riparium* (Host ex Brid.) Brid. = *Cinclidotus riparius* (Host ex Brid.) Arn.
- Racomitrium sudeticum* f. *alpinum* E. Lawton = *Racomitrium macounii* subsp. *alpinum* (E. Lawton) Frisvoll
- Racomitrium sudeticum* f. *macounii* (Kindb.) E. Lawton = *Racomitrium macounii* Kindb. subsp. *macounii*
- Racomitrium sudeticum* var. *tenellum* Boulay = *Racomitrium sudeticum* (Funck) Bruch & Schimp.
- Racomitrium sudeticum* var. *validius* Jur. = *Racomitrium macounii* Kindb. subsp. *macounii*
- Racomitrium tortuloides* Herzog = *Racomitrium canescens* (Hedw.) Brid. subsp. *canescens*
- Rechingerella macedonica* J. Froehl. = *Weissia controversa* Hedw.
- Rhabdoweisia curvipes* (Müll. Hal.) Mitt. = *Amphidium tortuosum* (Hornsch.) Cufod.
- Rhabdoweisia denticulata* Bruch & Schimp. *nom. illeg. incl. spec. prior.* = *Rhabdoweisia crispata* (Dicks. ex With.) Lindb.
- Rhabdoweisia fugax* var. *subdenticulata* (Boulay) Limpr. = *Rhabdoweisia crispata* (Dicks.) Lindb.
- Rhabdoweisia fugax* var. *subintegrifolia* (Boulay) E. Lawton [249]
- *Rhabdoweisia fugax* var. *subglobosa* Boulay = *Rhabdoweisia fugax* (Hedw.) Bruch & Schimp.
- Rhabdoweisia striata* (Schrad.) Kindb. = *Rhabdoweisia fugax* (Hedw.) Bruch & Schimp.
- Rhamphidium rechingeri* Baumgartner = *Rhamphidium purpuratum* Mitt.
- Rhaphidostegium demissum* (Wilson) De Not. = *Sematophyllum demissum* (Wilson) Mitt.
- Rhaphidostegium micans* (Mitt.) Mönk. *nom. illeg.* = *Hageniella micans* (Mitt.) B.C. Tan & Y. Jia
- Rhaphidostegium bottinii* (Breidl.) Mönk. = *Isopterygium tenerum* (Sw.) Mitt.
- Rhaphidostegium substrumosum* Hampe = *Sematophyllum substrumosum* (Hampe) E. Britton
- Rhaphidostegium welwitschii* Bott. = *Sematophyllum substrumosum* (Hampe) E. Britton
- Rhizomnium perssonii* T.J. Kop. = *Rhizomnium magnifolium* (Horik.) T.J. Kop.
- Rhizomnium punctatum* var. *elatum* (Schimp.) T.J. Kop. = *Rhizomnium magnifolium* (Horik.) T.J. Kop.
- Rhodobryum spathulatum* (Hornsch.) Pócs = *Rhodobryum ontariense* (Kindb.) Paris
- Rhynchostegiella algeriana* (Brid. ex P. Beauv.) Warnst. = *Rhynchostegiella tenella* (Dicks.) Limpr.
- Rhynchostegiella algeriana* var. *meridionalis* (Boulay) Corb. = *Rhynchostegiella tenella* var. *meridionalis* (Boulay) Zodda
- Rhynchostegiella compacta* (Müll. Hal.) Loeske = *Conardia compacta* (Müll. Hal.) H. Rob.
- Rhynchostegiella curviseta* var. *laeviseta* (W.E. Nicholson & Dixon) Podp. = *Rhynchostegiella curviseta* (Brid.) Limpr.
- Rhynchostegiella duriaei* (Mont.) P. Allorge & Perss. = *Pseudorhynchostegiella duriaei* (Mont.) Ignatov & Vanderp.
- Rhynchostegiella jacquinii* (Garov.) Limpr. = *Rhynchostegiella teneriffae* (Mont.) Dirkse & Bouman
- Rhynchostegiella letourneuxii* (Besch.) Broth. = *Rhynchostegiella curviseta* (Brid.) Limpr.
- Rhynchostegiella maireana* Dixon & Thér. *in* Maire & Werner *nom. nud. p.p.* = *Brachytheciasstrum dieckii* (Röll) Ignatov & Huttunen
- Rhynchostegiella maireana* Dixon & Thér. *in* Maire & Werner *nom. nud. p.p.* = *Brachytheciasstrum velutinum* (Hedw.) Ignatov & Huttunen
- Rhynchostegiella pallidirostris* (Brid.) Loeske *nom. illeg. incl. spec. prior.* = *Microeurhynchium pumilum* (Wilson) Ignatov & Vanderp.
- Rhynchostegiella punila* (Wilson) E.F. Warb. = *Microeurhynchium pumilum* (Wilson) Ignatov & Vanderp.

- Rhynchostegiella pseudosurrecta* Cardot & H. Winter = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegiella surrecta* (Mitt.) Broth. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegiella teesdalei* (Schimp.) Limpr. = ***Rhynchostegiella teneriffae*** (Mont.) Dirkse & Bouman
- Rhynchostegiella tenella* var. *cavernarum* (Brizi) J.J. Amann = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Rhynchostegiella tenella* var. *litorea* (De Not.) P.W. Richards & E.C. Wallace = ***Rhynchostegiella litorea*** (De Not.) Limpr.
- Rhynchostegiella tenella* f. *meridionalis* (Boulay) Podp. = ***Rhynchostegiella tenella*** var. ***meridionalis*** (Boulay) Zodda
- §, # *Rhynchostegiella tenella* var. *septentrionalis* = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Rhynchostegium algerianum* (Brid. ex P. Beauv.) Lindb. = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- # *Rhynchostegium algerianum* var. *septentrionale* Brizi = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Rhynchostegium androgynum* Schimp. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Rhynchostegium atlanticum* Brid. ex Paris nom. inval. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Rhynchostegium circinatum* (Bruch) De Not. = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
- Rhynchostegium circinatum* var. *deflexifolium* (Solms) Brizi = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- Rhynchostegium cirrosum* (Schwägr.) De Not. = ***Brachythecium cirrosum*** (Schwägr.) Schimp.
- § *Rhynchostegium confertum* var. *julaceum* = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
- Rhynchostegium confertum* var. *daldinianum* De Not. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium confertum* var. *delognei* (Pire) Limpr. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium confertum* var. *hercynicum* (Milde) A. Jaeger = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium confertum* var. *latifolium* Renaud in Jelenc [200]
- Rhynchostegium confertum* var. *lusitanicum* (Machado-Guim. & G. Roth) G. Roth [390]
- # *Rhynchostegium confertum* var. *paradoxum* Brizi nom. illeg. incl. var. prior. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium crassinervium* (Taylor) De Not. = ***Cirriphyllum crassinervium*** (Taylor) Loeske & M. Fleisch.
- Rhynchostegium curvisetum* (Brid.) Schimp. = ***Rhynchostegiella curviseta*** (Brid.) Limpr.
- Rhynchostegium curvisetum* var. *fastigiatum* Bott. = ***Rhynchostegiella curviseta*** (Brid.) Limpr.
- Rhynchostegium curvisetum* var. *litoreum* (De Not.) Venturi & Bott. = ***Rhynchostegiella litorea*** (De Not.) Limpr.
- Rhynchostegium delognei* Pire = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium demissum* (Wilson) Schimp. = ***Sematophyllum demissum*** (Wilson) Mitt.
- Rhynchostegium depressum* (Brid.) Schimp. = ***Taxiphyllum wissgrillii*** (Garov.) Wijk & Margad.
- Rhynchostegium diversifolium* (Schimp.) Brizi = ***Eurhynchiastrum pulchellum*** var. ***diversifolium*** (Schimp.) Ochyra & Żarnowiec
- Rhynchostegium elegans* (Brid.) Lindb. = ***Pseudotaxiphyllum elegans*** (Brid.) Z. Iwats.
- Rhynchostegium hausknechtii* Jur. = ***Fontinalis antipyretica*** Hedw. subsp. ***antipyretica***
- Rhynchostegium hercynicum* (Milde) Grav. = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium hercynicum* var. *lusitanicum* Machado-Guim. & G. Roth = ***Rhynchostegium confertum*** var. *lusitanicum* (Machado-Guim. & G. Roth) G. Roth [390]

- Rhynchostegium letourneuxii* Besch. = ***Rhynchostegiella curviseta*** (Brid.) Limpr.
Rhynchostegium litoreum (De Not.) Bott. = ***Rhynchostegiella litorea*** (De Not.) Limpr.
Rhynchostegium litoreum var. *levisetum* Bott. = ***Rhynchostegiella litorea*** (De Not.) Limpr.
Rhynchostegium locarnense De Not. = ***Sciuro-hypnum flotowianum*** (Sendtn.) Ignatov & Huttunen
Rhynchostegium lusitanicum (Schimp.) A.J.E. Sm. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
Rhynchostegium mediterraneum Jur. = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
Rhynchostegium megapolitanum var. *hygrophyllum* Renaud in Jelenc *nom. inval. descr. gall.* [200]
Rhynchostegium megapolitanum f. *julaceum* Brizi = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
Rhynchostegium megapolitanum var. *julaceum* (Brizi) Latzel = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
Rhynchostegium megapolitanum subsp. *meridionale* (Schimp.) Giacom. = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
Rhynchostegium megapolitanum var. *meridionale* Schimp. = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
Rhynchostegium megapolitanum var. *piliferum* G. Roth = ***Rhynchostegium megapolitanum*** (Blandow ex F. Weber & D. Mohr) Schimp.
Rhynchostegium meridionale (Schimp.) De Not. = ***Plasteurhynchium meridionale*** (Schimp.) M. Fleisch.
Rhynchostegium murale var. *julaceum* Schimp = ***Rhynchostegium murale*** (Hedw.) Schimp.
Rhynchostegium murale var. *subalpinum* Renaud = ***Rhynchostegium murale*** (Hedw.) Schimp.
Rhynchostegium novae-caesareae (Auster) Auster = ***Hageniella micans*** (Mitt.) B.C. Tan & Y. Jia
Rhynchostegium piliferum (Hedw.) De Not. = ***Cirriphyllum piliferum*** (Hedw.) Grout
Rhynchostegium praelongum (Hedw.) De Not. = ***Kindbergia praelonga*** (Hedw.) Ochyra
Rhynchostegium praelongum var. *meridionale* Brizi *nom. illeg. incl. var. prior.* = ***Oxyrrhynchium hians*** (Hedw.) Loeske
Rhynchostegium praelongum var. *schleicheri* (R. Hedw.) Brizi = ***Oxyrrhynchium schleicheri*** (R. Hedw.) Röhl
Rhynchostegium praelongum var. *swartzii* (Turner) Venturi & Bott. = ***Oxyrrhynchium hians*** (Hedw.) Loeske
Rhynchostegium pumilum (Wilson) De Not. = ***Microeurhynchium pumilum*** (Wilson) Ignatov & Vanderp.
\$ *Rhynchostegium riparioides* f. *atlanticum* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
\$ *Rhynchostegium riparioides* var. *atlanticum* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
\$ *Rhynchostegium riparium* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
Rhynchostegium rusciforme (F.W. Weiss ex Brid.) Schimp. *nom. illeg.* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
Rhynchostegium rusciforme var. *atlanticum* (Brid.) Schimp. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
Rhynchostegium rusciforme var. *complanatum* (J.H. Schulze ex Limpr.) H. Klinggr. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
Rhynchostegium rusciforme var. *inundatum* (Brid.) Schimp. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
Rhynchostegium rusciforme var. *laminatum* (Boulay) Rechin & Sebille = ***Rhynchostegium riparioides*** (Hedw.) Cardot
Rhynchostegium rusciforme var. *lusitanicum* (Schimp.) Venturi *nom. illeg.* = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.
Rhynchostegium rusciforme var. *lusitanicum* Machado-Guim. = ***Rhynchostegium alopecuroides*** (Brid.) A.J.E. Sm.

- Rhynchostegium rusciforme* var. *lutescens* Schimp. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- # *Rhynchostegium rusciforme* var. *montanum* Roum. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Rhynchostegium rusciforme* var. *prolixum* (Dicks. ex Brid.) Schimp. = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- § *Rhynchostegium rusciforme* var. *squarrosulum* = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Rhynchostegium rusciforme* var. *squarrosulum* (Boulay) Brizi = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Rhynchostegium rusciforme* var. *turgescens* (Warnst.) Zodda = ***Rhynchostegium riparioides*** (Hedw.) Cardot
- Rhynchostegium speciosum* (Brid.) Venturi & Bott. = ***Oxyrrhynchium speciosum*** (Brid.) Warnst.
- Rhynchostegium stokesii* (Turner) De Not. = ***Kindbergia praelonga*** (Hedw.) Ochyra
- Rhynchostegium striatulum* (Spruce) De Not. = ***Plasteurhynchium striatulum*** (Spruce) M. Fleisch.
- Rhynchostegium striatum* (Hedw.) De Not. = ***Eurhynchium striatum*** (Hedw.) Schimp.
- Rhynchostegium strigosum* (Hoffm. ex F. Weber & D. Mohr) De Not. = ***Eurhynchiastrum pulchellum*** (Hedw.) Ignatov & Huttunen var. ***pulchellum***
- Rhynchostegium surrectum* (Mitt.) A. Jaeger = ***Rhynchostegium confertum*** (Dicks.) Schimp.
- Rhynchostegium teesdalei* Schimp. *nom. illeg. incl. spec. prior.* = ***Rhynchostegiella teneriffae*** (Mont.) Dirkse & Bouman
- Rhynchostegium tenellum* (Dicks.) Schimp. = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Rhynchostegium tenellum* var. *meridionale* (Boulay) Paris = ***Rhynchostegiella tenella*** var. ***meridionalis*** (Boulay) Zodda
- Rhynchostegium tenellum* var. *meridionale* (Brizi) Paris *hom. illeg.* = ***Rhynchostegiella tenella*** (Dicks.) Limpr.
- Rhynchostegium tommasinii* (Sendtn. ex Boulay) Delogne = ***Brachythecium tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen
- Rhynchostegium vaucheri* Lindb. *nom. illeg. incl. spec. prior.* = ***Brachythecium tommasinii*** (Sendtn. ex Boulay) Ignatov & Huttunen
- Rhynchostegium welwitschii* Schimp. *nom. illeg. incl. spec. prior.* = ***Sematophyllum substrumulosum*** (Hampe) E. Britton
- Rhynchostegium winteri* Cardot = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Rhytidiadelphus brevirostris* (Brid.) Nyholm *nom. inval.* = ***Loeskeobryum brevirostre*** (Brid.) M. Fleisch.
- Rhytidiadelphus squarrosus* subsp. *calvescens* (Kindb.) Giacom. *nom. illeg.* = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
- Rhytidiadelphus squarrosus* var. *calvescens* (Kindb.) Warnst. *nom. illeg.* = ***Rhytidiadelphus subpinnatus*** (Lindb.) T.J. Kop.
- Rhytidiastrum squarrosulum* (Hedw.) Ignatov & Ignatova = ***Rhytidiadelphus squarrosus*** (Hedw.) Warnst.
- Rhytidium rugosum* var. *gracile* J.J. Amann = ***Rhytidium rugosum*** (Hedw.) Kindb.
- Rhytidium rugosum* var. *imbricatum* (Pfeff.) Herzog = ***Rhytidium rugosum*** (Hedw.) Kindb.

S

- Saelania caesia* (P. Beauv.) Lindb. = ***Saelania glaucescens*** (Hedw.) Broth.
- Sapromia vogesiaca* (Schwägr.) Brid. = ***Bruchia vogesiaca*** Schwägr.
- Schistidium alpicola* (Hedw.) Limpr. *nom. rejic.* = ***Schistidium agassizi*** Sull. & Lesq.
- Schistidium alpicola* auct. non (Hedw.) Limpr. = ***Schistidium platyphyllum*** (Mitt.) H. Perss. subsp. ***platyphyllum***
- Schistidium alpicola* subsp. *angustum* (I. Hagen) Giacom. *nom. rejic.* = ***Schistidium agassizi*** Sull. & Lesq.
- Schistidium alpicola* subsp. *eu-alpicola* (Loeske) Giacom. *nom. rejic.* = ***Schistidium agassizi*** Sull. & Lesq.

- Schistidium alpicola* var. *latifolia* (J. Zetterst.) Limpr. *nom. rejic.* = ***Schistidium platyphyllum*** (Mitt.) H. Perss.
- Schistidium alpicola* subsp. *latifolium* (J. Zetterst.) B. Bremer = ***Schistidium platyphyllum*** (Mitt.) H. Perss.
- Schistidium alpicola* var. *obtusifolia* Röhl = ***Schistidium dupretii*** (Thér.) W.A. Weber
- Schistidium alpicola* var. *rivulare* (Brid.) Limpr. *nom. rejic.* = ***Schistidium rivulare*** (Brid.) Podp.
- Schistidium anodon* (Bruch & Schimp.) Loeske = ***Grimmia anodon*** Bruch & Schimp.
- Schistidium apocarpum* var. *atratum* Grebe *in* Loeske *hom. illeg.* = ***Schistidium helveticum*** (Schkuhr) Deguchi
- Schistidium apocarpum* subsp. *atrofusum* (Schimp.) Loeske = ***Schistidium atrofusum*** (Schimp.) Limpr.
- Schistidium apocarpum* var. *atrofusum* (Schimp.) C.E.O. Jensen = ***Schistidium atrofusum*** (Schimp.) Limpr.
- Schistidium apocarpum* var. *aurantiacum* (Besch.) Jelenc = ***Schistidium crassipilum*** H.H. Blom
- Schistidium apocarpum* subsp. *brunnescens* (Limpr.) Loeske = ***Schistidium brunnescens*** Limpr. subsp. ***brunnescens***
- Schistidium apocarpum* subsp. *confertum* (Funck) Loeske = ***Schistidium confertum*** (Funck) Bruch & Schimp.
- Schistidium apocarpum* var. *confertum* (Funck) H. Möller = ***Schistidium confertum*** (Funck) Bruch & Schimp.
- Schistidium apocarpum* var. *dupretii* (Thér.) Wijk & Margad. = ***Schistidium dupretii*** (Thér.) W.A. Weber
- # *Schistidium apocarpum* var. *epilosum* Warnst. = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp.
- Schistidium apocarpum* var. *gracile* (Röhl.) Bruch & Schimp. = ***Schistidium strictum*** (Turner) Loeske *ex* Martensson
- Schistidium apocarpum* var. *gracile auct.* = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp. [83]
- § *Schistidium apocarpum* var. *helvetica* = ***Schistidium helveticum*** (Schkuhr) Deguchi
- Schistidium apocarpum* var. *homodictyon* (Dixon) Crundw. & Nyholm = ***Schistidium robustum*** (Nees & Hornsch.) H.H. Blom
- Schistidium apocarpum* var. *intercedens* Schiffn. = ***Schistidium helveticum*** (Schkuhr) Deguchi
- Schistidium apocarpum* var. *irrigatum* H. Müll. *ex* Mikut. = ***Schistidium helveticum*** (Schkuhr) Deguchi
- Schistidium apocarpum* subsp. *longidens* (Philib.) Wijk & Margad. = ***Schistidium trichodon*** (Brid.) Poelt var. ***trichodon***
- Schistidium apocarpum* subsp. *papillosum* (Culm.) Poelt = ***Schistidium papillosum*** Culm.
- Schistidium apocarpum* subsp. *pulvinatum* (Hedw.) Loeske = ***Schistidium flaccidum*** (De Not.) Ochyra
- Schistidium apocarpum* var. *pulvinatum* (Hedw.) C.E.O. Jensen = ***Schistidium flaccidum*** (De Not.) Ochyra
- §, # *Schistidium apocarpum* var. *pumila* = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp.
- § *Schistidium apocarpum* f. *rivulare* = ***Schistidium rivulare*** (Brid.) Podp.
- Schistidium apocarpum* var. *rivulare* (Brid.) Bruch & Schimp. = ***Schistidium rivulare*** (Brid.) Podp.
- Schistidium apocarpum* subsp. *singarense* (Schiffn.) Podp. = ***Schistidium helveticum*** (Schkuhr) Deguchi
- § *Schistidium apocarpum* var. *singarense* = ***Schistidium helveticum*** (Schkuhr) Deguchi
- Schistidium apocarpum* var. *strictum* Moore *nom. illeg.* = ***Schistidium strictum*** (Turner) Loeske *ex* Martensson
- Schistidium apocarpum* var. *striatulum* (Latzel) Podp. = ***Schistidium elegantulum*** Blom subsp. ***elegantulum***

- Schistidium apocarpum* f. *subepilosum* Bott. = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp.
- Schistidium apocarpum* var. *tarentasiense* (Sebille) Podp. = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp.
- Schistidium apocarpum* var. *teretinervioides* Meyl. [250]
- Schistidium apocarpum* subsp. *vulgare* Loeske *nom. illeg. incl. typ. spec.* = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp.
- § *Schistidium brunnescens* var. *griseum* = ***Schistidium brunnescens*** subsp. *griseum* (Nees & Hornsch.) H.H. Blom
- Schistidium canariense* H. Winter = ***Schistidium flaccidum*** (De Not.) Ochyra
- Schistidium ciliatum* (Hedw.) Brid. = ***Hedwigia ciliata*** (Hedw.) P. Beauv. var. *ciliata*
- Schistidium confertum* subsp. *brunnescens* (Limpr.) Giacom. = ***Schistidium brunnescens*** Limpr. subsp. ***brunnescens***
- Schistidium confertum* var. *brunnescens* (Limpr.) Herzog = ***Schistidium brunnescens*** Limpr. subsp. ***brunnescens***
- Schistidium confertum* subsp. *eu-confertum* Giacom. *nom. illeg.* = ***Schistidium confertum*** Bruch & Schimp.
- Schistidium confertum* var. *incanum* Wilson *ex* Bell. *nom. nud.* = ***Schistidium pruinosum*** (Wilson *ex* Schimp.) G. Roth
- Schistidium confertum* var. *pruinosum* (Wilson *ex* Schimp.) Bott. = ***Schistidium pruinosum*** (Wilson *ex* Schimp.) G. Roth
- Schistidium gracile* (Röhl.) Limpr. = ***Schistidium strictum*** (Turner) Loeske *ex* Martensson
- Schistidium gracile* *auct.* = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp. [83]
- Schistidium gracile* var. *scabrius* Bryhn = ***Schistidium papillosum*** Culm.
- Schistidium imberbe* (Sm.) Nees & Hornsch. = ***Braunia imberbis*** (Sm.) N. Dalton & D.G. Long
- Schistidium odperae* Vilh. = ***Schistidium dupretii*** (Thér.) W.A. Weber
- Schistidium pulvinatum* (Hedw.) Brid. = ***Grimmia anodon*** Bruch & Schimp.
- Schistidium pulvinatum* *auct. non* (Hedw.) Brid. = ***Schistidium flaccidum*** (De Not.) Ochyra
- Schistidium pulvinatum* var. *calvum* De Not. = ***Schistidium atrofusum*** (Schimp.) Limpr.
- Schistidium pulvinatum* var. *flaccidum* (De Not.) De Not. = ***Schistidium flaccidum*** (De Not.) Ochyra
- Schistidium rivulare* subsp. *latifolium* (J.E. Zetterst.) B. Bremer = ***Schistidium platyphyllum*** (Mitt.) H. Perss.
- Schistidium rivulare* var. *latifolium* (J. Zetterst.) H.A. Crum & L.E. Anderson = ***Schistidium platyphyllum*** (Mitt.) H. Perss.
- Schistidium singarense* (Schiffn.) Laz. = ***Schistidium helveticum*** (Schkuhr) Deguchi
- Schistidium sphaericum* (Schimp.) G. Roth = ***Schistidium flaccidum*** (De Not.) Ochyra
- Schistidium tarentasiense* Sebille = ***Schistidium apocarpum*** (Hedw.) Bruch & Schimp.
- Schistidium teretinerve* (Limpr.) Limpr. = ***Grimmia teretinervis*** Limpr.
- Schistophyllum exile* (Hedw.) Lindb. = ***Fissidens exilis*** Hedw.
- Schistostega osmundacea* D. Mohr *nom. illeg. incl. spec. prior.* = ***Schistostega pennata*** (Hedw.) F. Weber & D. Mohr
- Sciaromium prolixum* (Mitt.) Mitt. = ***Isothecium prolixum*** (Mitt.) M. Stech, Sim-Sim, Tangney & D. Quandt
- Sciaromium renauldii* Cardot = ***Echinodium renauldii*** (Cardot) Broth.
- Sciaromium spinosum* (Mitt.) Mitt. = ***Echinodium spinosum*** (Mitt.) Jur.
- Scleropodium ambiguum* (De Not.) A. Jaeger = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium caespitosum* Schimp. *nom. illeg. incl. spec. prior.* = ***Scleropodium cespitans*** (Wilson *ex* Müll. Hal.) L.F. Koch
- Scleropodium colpophyllum* (Sull.) Grout = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium colpophyllum* var. *attenuatum* Grout = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* Schimp. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* f. *complanatum* (Thér.) Podp. = ***Scleropodium touretii*** (Brid.) L.F. Koch

- Scleropodium illecebrum* var. *crassinervium* Podp. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* var. *decepiens* Bott. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- ▶ *Scleropodium illecebrum* f. *densiramosum* Tosco = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* var. *latinervium* Zodda = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* var. *minus* (Bruch ex Bayrh.) Limpr. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* f. *piliferum* (De Not.) Podp. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium illecebrum* var. *piliferum* (De Not.) Paris = ***Scleropodium touretii*** (Brid.) L.F. Koch
- # *Scleropodium illecebrum* var. *spininervium* Zodda = ***Scleropodium touretii*** (Brid.) L.F. Koch
- # *Scleropodium illecebrum* var. *spininervium* f. *scabridum* Bott. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium ornellanum* (Molendo) Lorentz = ***Sciuro-hypnum ornellanum*** (Molendo) Ignatov & Huttunen
- Scleropodium purum* (Hedw.) Limpr. = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- # *Scleropodium purum* var. *canariense* (Hampe) Corb. = ***Pseudoscleropodium purum*** (Hedw.) M. Fleisch.
- Scleropodium touretii* var. *colpophyllum* (Sull.) E. Lawton ex H.A. Crum = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scleropodium touretii* var. *decepiens* Bott. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- # *Scleropodium touretii* var. *latinervium* (Zodda) Podp. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- # *Scleropodium touretii* var. *spininervium* (Zodda) Podp. = ***Scleropodium touretii*** (Brid.) L.F. Koch
- Scorpidium lapponicum* (Norrl.) Tuom. & T.J. Kop. = ***Hamatocaulis lapponicus*** (Norrl.) Hedenäs
- Scorpidium lycopodioides* (Brid.) H.K.G. Paul = ***Drepanocladus lycopodioides*** (Brid.) Warnst.
- Scorpidium trifarium* (F. Weber & D. Mohr) H.K.G. Paul = ***Drepanocladus trifarius*** (F. Weber & D. Mohr) Broth. ex Paris
- Scorpidium turgescens* (T. Jensen) Loeske = ***Drepanocladus turgescens*** (T. Jensen) Broth.
- Scorpidium vernicosum* (Mitt.) Tuom. = ***Hamatocaulis vernicosus*** (Mitt.) Hedenäs
- Scorpiurium circinatum* subsp. *deflexifolium* (Solms) Giacom. = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- ▶ *Scorpiurium circinatum* f. *hygrometrica* = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
- Scorpiurium circinatum* var. *ruderales* (Brizi) M. Fleisch. & Loeske = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
- § *Scorpiurium circinatum* subsp. *sendtneri* = ***Scorpiurium sendtneri*** (Bruch) M. Fleisch.
- # *Scorpiurium circinatum* var. *sylvaticum* (Brizi) Latzel = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
- # *Scorpiurium circinatum* var. *tenue* Latzel = ***Scorpiurium circinatum*** (Bruch) M. Fleisch. & Loeske
- # *Scorpiurium deflexifolium* var. *mysuroideum* (Bott.) Podp. = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- Scorpiurium leskeoides* Suse = ***Scorpiurium sendtneri*** (Bruch) M. Fleisch.
- Scorpiurium rivale* Schimp. = ***Scorpiurium deflexifolium*** (Solms) M. Fleisch. & Loeske
- Sekra minor* Lindb. nom. illeg. incl. spec. prior. = ***Cinclidotus fontinaloides*** (Hedw.) P. Beauv.
- Seligeria acuta* (Hedw.) De Not. = ***Blindia acuta*** (Hedw.) Bruch & Schimp.
- Seligeria alpestris* T. Schauer = ***Seligeria patula*** (Lindb.) I. Hagen
- Seligeria arctica* Kaurin nom. inval. in synonym. = ***Seligeria diversifolia*** Lindb.

- Seligeria diversifolia* var. *brevifolia* I. Hagen = ***Seligeria diversifolia*** Lindb.
Seligeria erecta H. Philib. = ***Seligeria diversifolia*** Lindb.
Seligeria longifolia (Lindb. ex Broth.) Paris = ***Seligeria trifaria*** (Brid.) Lindb.
Seligeria paucifolia auct. non (With.) Carruth. = ***Seligeria calycina*** Mitt. ex Lindb.
Seligeria pusilla subsp. *acutifolia* (Lindb.) Kindb. = ***Seligeria acutifolia*** Lindb.
Seligeria pusilla var. *acutifolia* (Lindb.) Schimp. nom. illeg. incl. var. prior. = ***Seligeria acutifolia*** Lindb.
Seligeria pusilla var. *brevifolia* Lindb. = ***Seligeria brevifolia*** (Lindb.) Lindb.
Seligeria pusilla var. *intermedia* Meyran nom. nud. = ***Seligeria pusilla*** (Hedw.) Bruch & Schimp.
Seligeria pusilla var. *longiseta* (Lindb.) Dixon = ***Seligeria acutifolia*** Lindb.
Seligeria recurvata subsp. *erecta* (H. Philib.) Kindb. = ***Seligeria diversifolia*** Lindb.
Seligeria recurvata var. *pumila* (Lindb.) C. Hartm. = ***Seligeria diversifolia*** Lindb.
Seligeria setacea Lindb. nom. illeg. incl. spec. prior. = ***Seligeria recurvata*** (Hedw.) Bruch & Schimp.
Seligeria subcernua Schimp. nom. illeg. incl. spec. prior. = ***Seligeria calycina*** Mitt. ex Lindb.
Seligeria trifaria subsp. *longifolia* Lindb. ex Broth. = ***Seligeria trifaria*** (Brid.) Lindb.
Seligeria trifaria var. *longifolia* (Lindb. ex Broth.) Ochyra & Gos = ***Seligeria trifaria*** (Brid.) Lindb.
Seligeria tristicha (Brid.) Bruch & Schimp. = ***Seligeria trifaria*** (Brid.) Lindb.
Sematophyllum auricomum Mitt. = ***Sematophyllum substrumosum*** (Hampe) E. Britton
Sematophyllum bottinii (Breidl.) Podp. = ***Isopterygium tenerum*** (Sw.) Mitt.
Sematophyllum micans (Mitt.) Braithw. = ***Hageniella micans*** (Mitt.) B.C. Tan & Y. Jia
Sematophyllum novae-caesareae (Austin) E. Britton = ***Hageniella micans*** (Mitt.) B.C. Tan & Y. Jia
Sematophyllum welwitschii Lind. nom. inval. in synon. = ***Sematophyllum substrumosum*** (Hampe) E. Britton
Semibarbula orientalis (F. Weber) Wijk & Margad. = ***Barbula indica*** (Hook.) Spreng.
Serpoleskea sprucei (Bruch) Loeske = ***Platydictya jungermannioides*** (Brid.) H.A. Crum
Sharpiella seligeri (Brid.) Z. Iwats. = ***Herzogiella seligeri*** (Brid.) Z. Iwats.
Sharpiella striatella (Brid.) Z. Iwats. = ***Herzogiella striatella*** (Brid.) Z. Iwats.
Skitophyllum fontanum Bach. Pyl. = ***Fissidens fontanus*** (Bach. Pyl.) Steud.
Sphaerangium mediterraneum (Limpr.) Paris = ***Acaulon mediterraneum*** Limpr.
Sphaerangium muticum (Schreb. ex Hedw.) Schimp. = ***Acaulon muticum*** (Hedw.) Müll. Hal.
Sphaerangium triquetrum (Spruce) Schimp. = ***Acaulon triquetrum*** (Spruce) Müll. Hal.
Sphaerangium triquetrum var. *desertorum* Besch. = ***Acaulon triquetrum*** var. *desertorum* (Besch.) Jelenc. [223]
Sphagnum acutifolium Schrad. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *alpinum* Milde = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *deflexum* Schimp. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *elegans* Braithw. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *fallax* Warnst. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *fuscum* Schimp. = ***Sphagnum fuscum*** (Schimp.) H. Klinggr.
Sphagnum acutifolium var. *gracile* Russow hom. illeg. = ***Sphagnum warnstorffii*** Russow
Sphagnum acutifolium var. *luridum* Huebener = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum acutifolium var. *patulum* Schimp. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *quinquefarium* Braithw. = ***Sphagnum quinquefarium*** (Braithw.) Warnst.
Sphagnum acutifolium var. *robustum* Russow hom. illeg. = ***Sphagnum russowii*** Warnst.
Sphagnum acutifolium var. *subnitens* (Russow & Warnst.) Hérib. = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum acutifolium var. *tenellum* Schimp. = ***Sphagnum rubellum*** Wilson
Sphagnum acutifolium var. *tenerum* Austin nom. inval. in synon. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum acutifolium var. *versicolor* Warnst. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.

- Sphagnum amblyphyllum* (Russow) Warnst. = ***Sphagnum flexuosum*** Dozy & Molk.
Sphagnum amblyphyllum var. *parvifolium* (Sendtn. ex Warnst.) Warnst. = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum apiculatum H. Lindb. = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum aquatile Warnst. = ***Sphagnum subsecundum*** Nees
Sphagnum arboreum L. = ***Cryphaea heteromalla*** (Hedw.) D. Mohr
Sphagnum auriculatum var. *inundatum* (Russow) M.O. Hill = ***Sphagnum inundatum*** Russow
Sphagnum bavaricum Warnst. = ***Sphagnum denticulatum*** Brid.
Sphagnum bohemicum Jezek = ***Sphagnum cuspidatum*** Ehrh. ex Hoffm.
Sphagnum brevifolium (Lindb. ex Braithw.) Röhl = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum capillaceum (F.W. Weiss) Schrank. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum capillifolium subsp. *rubellum* (Wilson) M.O. Hill = ***Sphagnum rubellum*** Wilson
Sphagnum capillifolium var. *rubellum* (Wilson) A. Eddy = ***Sphagnum rubellum*** Wilson
Sphagnum capillifolium var. *schimperi* (Röhl) Düll = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum capillifolium var. *tenellum* (Schimp.) H.A. Crum = ***Sphagnum rubellum*** Wilson
Sphagnum capillifolium var. *tenerum* auct. eur. non (Sull. & Lesq. ex Sull.) H.A. Crum = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
§ *Sphagnum capillifolium* var. *nitidulum* = *Sphagnum nitidulum* Warnst. [87]
Sphagnum compactum var. *brachycladum* Röhl = ***Sphagnum compactum*** Lam. & DC.
Sphagnum compactum var. *imbricatum* Warnst. = ***Sphagnum compactum*** Lam. & DC.
Sphagnum compactum var. *squarrosum* (Russow) Warnst. = ***Sphagnum compactum*** Lam. & DC.
Sphagnum compactum var. *subquarrosum* Warnst. = ***Sphagnum compactum*** Lam. & DC.
Sphagnum contortum auct. non Schultz = ***Sphagnum auriculatum*** Schimp.
Sphagnum contortum var. *obesum* Wilson = ***Sphagnum auriculatum*** Schimp.
Sphagnum contortum var. *platyphyllum* (Lindb. ex Braithw.) Aberg *hom. illeg.* = ***Sphagnum platyphyllum*** (Lindb. ex Braithw.) Sull. ex Warnst.
Sphagnum contortum var. *rufescens* Nees & Hornsch. = ***Sphagnum auriculatum*** Schimp.
Sphagnum contortum var. *teretiuseculum* Röhl = ***Sphagnum subsecundum*** Nees
Sphagnum contortum var. *warnstorffii* Röhl = ***Sphagnum contortum*** Schultz
Sphagnum crassicladum Warnst. = ***Sphagnum auriculatum*** Schimp.
Sphagnum cuspidatum var. *falcatum* Russow = ***Sphagnum cuspidatum*** Ehrh. ex Hoffm.
Sphagnum cuspidatum var. *majus* Russow = ***Sphagnum majus*** (Russow) C.E.O. Jensen
Sphagnum cuspidatum var. *plumosum* Nees & Hornsch. = ***Sphagnum cuspidatum*** Ehrh. ex Hoffm.
Sphagnum cuspidatum var. *submersum* Schimp. = ***Sphagnum cuspidatum*** Ehrh. ex Hoffm.
Sphagnum cymbifolium (Ehrh.) Hedw. = ***Sphagnum palustre*** L.
Sphagnum cymbifolium var. *compactum* (Lam. & DC.) Schultz = ***Sphagnum compactum*** Lam. & DC.
Sphagnum cymbifolium var. *fuscescens* (Warnst.) Warnst. = ***Sphagnum palustre*** L.
Sphagnum cymbifolium var. *glaucescens* C.E.O. Jensen = ***Sphagnum palustre*** L.
Sphagnum cymbifolium var. *hampeanum* (Warnst.) Warnst. = ***Sphagnum palustre*** L.
Sphagnum cymbifolium var. *pallescens* (Warnst.) Warnst. *hom. illeg.* = ***Sphagnum palustre*** L.
Sphagnum cymbifolium var. *squarrosulum* Nees & Hornsch. = ***Sphagnum palustre*** L.
Sphagnum cymbifolium var. *tenellum* Brid. = ***Sphagnum tenellum*** (Brid.) Brid.
Sphagnum denticulatum Brid. = ***Sphagnum auriculatum*** Schimp.
Sphagnum denticulatum var. *auriculatum* (Schimp.) Plam. = ***Sphagnum auriculatum*** Schimp.
Sphagnum denticulatum var. *inundatum* (Russow) Kartt. = ***Sphagnum inundatum*** Russow
§ *Sphagnum denticulatum* var. *turgidum* = ***Sphagnum auriculatum*** Schimp.
Sphagnum dusenii C.E.O. Jensen ex Russow & Warnst. = ***Sphagnum majus*** (Russow) ex C.E.O. Jensen

- Sphagnum dusenii* var. *falcatum* Warnst. = ***Sphagnum majus*** (Russow) C.E.O. Jensen
Sphagnum fallax var. *angustifolium* (C.E.O. Jensen ex Russow) Nyholm = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum fallax var. *gracile* Grav. = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum flexuosum var. *fallax* (H. Klinggr.) A.J.E. Sm. = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum flexuosum var. *tenue* (H. Klinggr.) Pilous = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum fuscum var. *gracile* Röhl = ***Sphagnum fuscum*** (Schimp.) H. Klinggr.
Sphagnum girgensohnii var. *gracilescens* Grav. ex Warnst. = ***Sphagnum girgensohnii*** Russow
▶ *Sphagnum girgensohnii* var. *pseudo-schimperii* Warnst. = ***Sphagnum girgensohnii*** Russow
Sphagnum girgensohnii var. *robustum* Warnst. *nom. illeg. incl. spec. prior.* = ***Sphagnum russowii*** Warnst.
Sphagnum girgensohnii var. *speciosum* Limpr. = ***Sphagnum girgensohnii*** Russow
Sphagnum girgensohnii var. *squarrosulum* Russow = ***Sphagnum girgensohnii*** Russow
Sphagnum girgensohnii var. *strictum* Russow = ***Sphagnum girgensohnii*** Russow
Sphagnum godmanii Warnst. = ***Sphagnum girgensohnii*** Russow
Sphagnum gravetii Russow = ***Sphagnum auriculatum*** Schimp.
Sphagnum hakkodense Warnst. & Cardot = ***Sphagnum papillosum*** Lindb.
Sphagnum imbricatum Hornsch. ex Russow = ***Sphagnum affine*** Renauld & Cardot
Sphagnum imbricatum subsp. *affine* (Renauld & Cardot) Flatberg = ***Sphagnum affine*** Renauld & Cardot
Sphagnum imbricatum subsp. *austini* (Sull.) Flatberg = ***Sphagnum austini*** Sull.
Sphagnum intermedium auct. *non Hoffm. nom. illeg.* = ***Sphagnum flexuosum*** Dozy & Molk.
Sphagnum intermedium Hoffm. *nom. illeg. incl. spec. prior.* = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum intermedium var. *parvifolium* (Warnst.) Machado-Guim. *nom. illeg.* = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum intermedium var. *riparium* (Ångstr.) Braithw. = ***Sphagnum riparium*** Ångstr.
Sphagnum isophyllum (Russow) Russow = ***Sphagnum platyphyllum*** (Lindb. ex Braithw.) Warnst.
Sphagnum klinggraeffi Röhl *nom. illeg. incl. spec. prior.* = ***Sphagnum palustre*** L.
Sphagnum laricinum (Wilson) Spruce ex Lindb. = ***Sphagnum subsecundum*** Nees
Sphagnum laricinum var. *gracile* (Warnst.) Husn. = ***Sphagnum subsecundum*** Nees
Sphagnum laricinum var. *platyphyllum* Lindb. ex Braithw. = ***Sphagnum platyphyllum*** (Lindb. ex Braithw.) Sull. ex Warnst.
Sphagnum latifolium Hedw. *nom. illeg. incl. spec. prior.* = ***Sphagnum palustre*** L.
Sphagnum laxifolium Müll. Hal. = ***Sphagnum cuspidatum*** Ehrh. ex Hoffm.
Sphagnum lescurii auct. = ***Sphagnum auriculatum*** Schimp.
Sphagnum lescurii var. *inundatum* (Russow) Düll = ***Sphagnum inundatum*** Russow
Sphagnum lescurii var. *rufescens* (Nees & Hornsch.) Düll = ***Sphagnum auriculatum*** Schimp.
Sphagnum limprichtii Röhl *nom. illeg. incl. spec. prior.* = ***Sphagnum obtusum*** Warnst.
Sphagnum magellanicum var. *laxum* Röhl = ***Sphagnum magellanicum*** Brid.
Sphagnum magellanicum var. *virescens* (Warnst.) C.E.O. Jensen = ***Sphagnum magellanicum*** Brid.
Sphagnum medium Limpr. = ***Sphagnum magellanicum*** Brid.
Sphagnum medium var. *congestum* (Schimp.) Warnst. = ***Sphagnum magellanicum*** Brid.
Sphagnum medium var. *fuscescens* (Warnst.) Cardot = ***Sphagnum magellanicum*** Brid.
Sphagnum medium var. *purpurascens* (Russow) Warnst. = ***Sphagnum magellanicum*** Brid.
Sphagnum molle var. *limbatum* Warnst. [116]
Sphagnum molluscum Bruch = ***Sphagnum tenellum*** (Brid.) Pers. ex Brid.
Sphagnum monocladium (H. Killinggr.) Warnst. = ***Sphagnum cuspidatum*** Ehrh. ex Hoffm.
Sphagnum nemoreum Scop. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum nitidulum Warnst. ex Warnst. [87]
Sphagnum obesum (Wilson) Warnst. = ***Sphagnum auriculatum*** Schimp.

- Sphagnum obtusifolium* Ehrh. = ***Sphagnum palustre*** L.
Sphagnum palustre var. *brachycladum* (Warnst.) Röhl = ***Sphagnum palustre*** L.
Sphagnum palustre var. *capillifolium* Ehrh. = ***Sphagnum capillifolium*** (Ehrh.) Hedw.
Sphagnum palustre var. *centrale* (C.E.O. Jensen) A. Eddy = ***Sphagnum centrale*** C.E.O. Jensen
Sphagnum palustre var. *compactum* (Lam. & DC.) Sendtn. = ***Sphagnum compactum*** Lam. & DC.
Sphagnum palustre var. *laxum* (Warnst.) Röhl = ***Sphagnum palustre*** L.
Sphagnum palustre var. *palescens* (Warnst.) Sakurai = ***Sphagnum palustre*** L.
Sphagnum palustre var. *pycnocladum* (Martenson) Röhl = ***Sphagnum palustre*** L.
Sphagnum palustre var. *squarrosulum* Nees & Hornsch. = ***Sphagnum palustre*** L.
Sphagnum papillosum var. *abbreviatum* Grav. ex Warnst. = ***Sphagnum papillosum*** Lindb.
Sphagnum papillosum var. *confertum* (Braithw.) Warnst. = ***Sphagnum papillosum*** Lindb.
Sphagnum papillosum var. *flaccidum* Schlieph. = ***Sphagnum papillosum*** Lindb.
Sphagnum papillosum var. *laeve* Warnst. = ***Sphagnum papillosum*** Lindb.
Sphagnum papillosum var. *sublaeve* Limpr. = ***Sphagnum papillosum*** Lindb.
Sphagnum parvifolium (Sendtn. ex Warnst.) Warnst. = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum platyphyllum var. *teretiusculum* (Lindb.) Cardot = ***Sphagnum platyphyllum*** (Lindb. ex Braithw.) Sull. ex Warnst.
Sphagnum plumulosum Röhl = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum plumulosum var. *pallens* Warnst. = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum plumulosum var. *viride* (Warnst.) Warnst. = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum pylaesii var. *prostratum* (Brid.) Cardot = ***Sphagnum pylaesii*** Brid.
Sphagnum pylaesii var. *sedoides* (Brid.) Lindb. = ***Sphagnum pylaesii*** Brid.
Sphagnum quinquefarium var. *gerstenbergii* (Warnst.) Cardot = ***Sphagnum quinquefarium*** (Braithw.) Warnst.
Sphagnum quinquefarium var. *viride* Warnst. = ***Sphagnum quinquefarium*** (Braithw.) Warnst.
Sphagnum recurvum auct. non P. Beauv. = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum recurvum var. *amblyphyllum* (Russow) Warnst. = ***Sphagnum flexuosum*** Dozy & Molk.
Sphagnum recurvum var. *angustifolium* (C.E.O. Jensen ex Russow) Russow = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum recurvum var. *brevifolium* (Lindb. ex Braithw.) Warnst. = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum recurvum var. *fallax* (Klinggr.) Paul in F. Koppe *hom. illeg.* = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum recurvum var. *limprichtii* Schlieph. ex Warnst. = ***Sphagnum flexuosum*** Dozy & Molk.
Sphagnum recurvum var. *majus* (Ångstr. ex Warnst.) Warnst. = ***Sphagnum flexuosum*** Dozy & Molk.
Sphagnum recurvum subsp. *mucronatum* Russow = ***Sphagnum fallax*** (H. Klinggr.) H. Klinggr.
Sphagnum recurvum var. *parvifolium* Sendtn. ex Warnst. = ***Sphagnum angustifolium*** (Warnst.) C.E.O. Jensen
Sphagnum recurvum var. *tenue* H. Klinggr. = ***Sphagnum angustifolium*** (C.E.O. Jensen ex Russow) C.E.O. Jensen
Sphagnum rigidum (Nees & Hornsch.) Schimp. *nom. illeg. incl. spec. prior.* = ***Sphagnum compactum*** Lam. & DC.
Sphagnum rigidum var. *compactum* (Lam. & DC.) Schimp. *nom. illeg. prior. ut spec.* = ***Sphagnum compactum*** Lam. & DC.
Sphagnum rigidum var. *squarrosum* Russow = ***Sphagnum compactum*** Lam. & DC.
Sphagnum robustum (Warnst.) Röhl = ***Sphagnum russowii*** Warnst.
Sphagnum rufescens (Nees & Hornsch.) Warnst. = ***Sphagnum auriculatum*** Schimp.

- Sphagnum rufescens* var. *turgidum* (Müll. Hal.) Warnst. = ***Sphagnum auriculatum*** Schimp.
Sphagnum squarrosulum (Schimp.) Lesq. = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum squarrosum var. *confertum* Bruch. *nom. inval. in synon.* = ***Sphagnum squarrosum*** Crome
Sphagnum squarrosum var. *imbricatum* Schimp. = ***Sphagnum squarrosum*** Crome
Sphagnum squarrosum var. *squarrosulum* Schimp. = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum squarrosum var. *subsquarrosum* Russow = ***Sphagnum squarrosum*** Crome
Sphagnum squarrosum var. *teres* Schimp. = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum strictum Lindb. *hom. illeg.* = ***Sphagnum girgensohnii*** Russow
Sphagnum subbicolor Hampe = ***Sphagnum palustre*** L.
Sphagnum subbicolor *auct. non* Hampe = ***Sphagnum centrale*** C.E.O. Jensen
Sphagnum subbicolor var. *fuscescens* Russow = ***Sphagnum centrale*** C.E.O. Jensen
Sphagnum subcontortum Röhl *hom. illeg.* = ***Sphagnum inundatum*** Russow
Sphagnum subnitens var. *pallens* Warnst. *ex* C.E.O. Jensen = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum subnitens var. *squarrosulum* Warnst. = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum subnitens var. *strictum* (Röhl) Cardot = ***Sphagnum subnitens*** Russow & Warnst.
Sphagnum subsecundum *auct. angl. p.p.* = ***Sphagnum auriculatum*** Schimp.
Sphagnum subsecundum var. *auriculatum* (Schimp.) Schlieph. = ***Sphagnum auriculatum*** Schimp.
Sphagnum subsecundum var. *bavaricum* (Warnst.) Åberg *nom. illeg. incl. var. prior.* = ***Sphagnum inundatum*** Russow
Sphagnum subsecundum var. *bernetii* Cardot = ***Sphagnum subsecundum*** Nees
Sphagnum subsecundum var. *contortum* (Schultz) Huebener = ***Sphagnum contortum*** Schultz
Sphagnum subsecundum var. *crispulum* Schlieph. *in* Warnst. = ***Sphagnum subsecundum*** Nees
Sphagnum subsecundum var. *intermedium* (Warnst.) Warnst. = ***Sphagnum subsecundum*** Nees
Sphagnum subsecundum var. *inundatum* (Russow) C.E.O. Jensen = ***Sphagnum inundatum*** Russow
Sphagnum subsecundum var. *molle* (Warnst.) Warnst. = ***Sphagnum subsecundum*** Nees
Sphagnum subsecundum var. *obesum* (Wilson) Schimp. = ***Sphagnum auriculatum*** Schimp.
Sphagnum subsecundum var. *platyphyllum* (Lindb.) Cardot = ***Sphagnum platyphyllum*** (Lindb.) Warnst.
Sphagnum subsecundum subsp. *platyphyllum* (Lindb.) Hérib. = ***Sphagnum platyphyllum*** (Lindb.) Warnst.
Sphagnum subsecundum var. *rufescens* (Nees & Hornsch.) Huebener = ***Sphagnum auriculatum*** Schimp.
Sphagnum subsecundum var. *viride* Boulay = ***Sphagnum auriculatum*** Schimp.
Sphagnum subtile (Russow) Warnst. = ***Sphagnum capillifolium*** (Ehrh.) Hedw. [86]
Sphagnum tenellum (Schimp.) H. Klinggr. = ***Sphagnum rubellum*** Wilson
Sphagnum tenellum var. *confertulum* Cardot = ***Sphagnum tenellum*** (Brid.) Bory
Sphagnum teres var. *bielawskii* Hérib. = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum teres var. *imbricatum* Warnst. *hom. illeg.* = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum teres var. *squarrosulum* (Schimp.) Warnst. = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum teres var. *strictum* Cardot = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum teres var. *subteres* (Lindb.) Röhl = ***Sphagnum teres*** (Schimp.) Ångstr.
Sphagnum turgidulum Warnst. = ***Sphagnum auriculatum*** Schimp.
Sphagnum turgidum Röhl *nom. illeg. incl. spec. prior.* = ***Sphagnum auriculatum*** Schimp.
Sphagnum viride Flatberg = ***Sphagnum cuspidatum*** Ehrh. *ex* Hoffm.
Sphagnum vogesiacum Warnst. = ***Sphagnum majus*** (Russow) C.E.O. Jensen
Sphagnum warnstorffianum Du Rietz *nom. illeg.* = ***Sphagnum warnstorffii*** Russow
Splachnobryum arabicum Dixon = ***Splachnobryum aquaticum*** Müll. Hal.
Splachnum angustatum Hedw. = ***Tetraplodon angustatus*** (Hedw.) Bruch & Schimp.
Splachnum flagellare Brid. = ***Tayloria serrata*** (Hedw.) Bruch & Schimp.

- Splachnum froelichianum* Hedw. = ***Tayloria froelichiana*** (Hedw.) Mitt. ex Broth.
Splachnum gracile Dicks. = ***Splachnum sphaericum*** Hedw.
Splachnum mnioides Hedw. = ***Tetraplodon mnioides*** (Hedw.) Bruch & Schimp.
Splachnum ovatum Dicks. ex Hedw. = ***Splachnum sphaericum*** Hedw.
Splachnum pedunculatum Lindb. nom. illeg. incl. spec. prior. = ***Splachnum sphaericum*** Hedw.
Splachnum rugosum Dicks. = ***Splachnum vasculosum*** Hedw.
Splachnum serratum Hedw. = ***Tayloria serrata*** (Hedw.) Bruch & Schimp.
Splachnum tenue Dicks. ex With. = ***Tayloria tenuis*** (Dicks. ex With.) Schimp.
Splachnum urceolatum Hedw. = ***Tetraplodon urceolatus*** (Hedw.) Bruch & Schimp.
Sporledera palustris (Bruch & Schimp.) Schimp. = ***Cleistocarpidium palustre*** (Bruch & Schimp.) Ochyra & Bednarek-Ochyra
Stableria gracilis (Wilson) Lindb. = ***Orthodontium gracile*** (Wilson) Schwägr. ex Bruch & Schimp.
Stegonia mouretii (Corb.) Broth. [90]
Stegonia mouretii var. *crinita* Corb. ex Jelenc = ***Pterygoneurum ovatum*** (Hedw.) Dixon
Stegonia latifolia var. *pilifera* (Brid.) Broth. = ***Stegonia latifolia*** (Schwägr.) Venturi ex Broth.
Stippomitria hungarica (Boros) Vondr. = ***Entosthodon hungaricus*** (Boros) Loeske
Stereodon arcuatus Lindb. nom. illeg. incl. spec. prior. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
Stereodon bambergeri (Schimp.) Lindb. = ***Hypnum bambergeri*** Schimp.
Stereodon callichrous (Brid.) Braithw. = ***Hypnum callichroum*** Brid.
Stereodon canariensis Mitt. = ***Hypnum uncinulatum*** Jur.
Stereodon cupressiformis (Hedw.) Brid. = ***Hypnum cupressiforme*** Hedw.
Stereodon cupressiformis var. *compressus* Brid. nom. inval. = ***Hypnum cupressiforme*** Hedw.
Stereodon cupressiformis var. *elatus* Bruch & Schimp. = ***Hypnum cupressiforme*** var. ***lacunosum*** Brid.
Stereodon cupressiformis var. *lauri* Brid. = ***Hypnum cupressiforme*** Hedw.
Stereodon cupressiformis var. *longisetus* Brid. nom. inval. = ***Hypnum cupressiforme*** Hedw.
Stereodon cupressiformis var. *subjulaceus* (Molendo) Mitt. ex Lindb. & Arnell = ***Hypnum cupressiforme*** var. ***subjulaceum*** Molendo
Stereodon cupressiformis var. *tectorum* (Brid.) Braithw. = ***Hypnum cupressiforme*** var. ***lacunosum*** Brid.
Stereodon dolomiticus (Milde) Loeske = ***Hypnum revolutum*** var. ***dolomiticum*** (Milde) Mönk.
Stereodon ericetorum (Schimp.) Loeske = ***Hypnum jutlandicum*** Holmen & Warncke
Stereodon fastigiatus (Hampe) Braithw. = ***Hypnum recurvatum*** (Lindb. & Arnell) Kindb.
Stereodon haldanii Lindb. nom. illeg. incl. spec. prior. = ***Callicladium haldanianum*** (Grev.) H.A. Crum
Stereodon haldanianus (Grev.) Lindb. ex Broth. = ***Callicladium haldanianum*** (Grev.) H.A. Crum
Stereodon hamulosus (Schimp.) Lindb. = ***Hypnum hamulosum*** Schimp.
Stereodon imponens (Hedw.) Brid ex Mitt. = ***Hypnum imponens*** Hedw.
Stereodon incurvatus (Schräd. ex Brid.) Lindb. & Arnell = ***Homomallium incurvatum*** (Schräd. ex Brid.) Loeske
Stereodon lindbergii (Mitt.) Braithw. = ***Calliergonella lindbergii*** (Mitt.) Hedenäs
Stereodon micans Mitt. = ***Hageniella micans*** (Mitt.) B.C. Tan & Y. Jia
Stereodon pallescens (Hedw.) Mitt. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
Stereodon pallescens var. *perichaetialis* (Schimp.) Lindb. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
Stereodon pallescens var. *protuberans* (Brid.) Lindb. = ***Hypnum pallescens*** (Hedw.) P. Beauv.
☞ *Stereodon pratensis* (Rabenh.) Warnst. = ***Breidleria pratensis*** (W.D.J. Koch. ex Spruce) Loeske
Stereodon pseudocupressiformis (Müll. Hal.) Geh. in Herzog = ***Hypnum uncinulatum*** Jur.

- Stereodon resupinatus* (Taylor) Braithw. = *Hypnum cupressiforme* var. *resupinatum* (Taylor) Schimp.
- Stereodon revolutus* Mitt. = *Hypnum revolutum* (Mitt.) Lindb.
- Stereodon rubellus* Mitt. = *Orthothecium strictum* Lorentz
- Stereodon sauteri* (Schimp.) H. Möller = *Hypnum sauteri* Schimp.
- Stereodon vaucheri* (Lesq.) Lindb. ex Broth. = *Hypnum vaucheri* Lesq.
- Stokesiella praelonga* (Hedw.) H. Rob. = *Kindbergia praelonga* (Hedw.) Ochyra
- Stokesiella praelonga* var. *stokesii* (Turner) H.A. Crum = *Kindbergia praelonga* (Hedw.) Ochyra
- Streblotrichum bericum* (De Not.) Loeske = *Leptobarbula berica* (De Not.) Schimp.
- Streblotrichum bicolor* (Bruch & Schimp.) Loeske = *Barbula bicolor* (Bruch & Schimp.) Lindb.
- Streblotrichum convolutum* (Hedw.) P. Beauv. = *Barbula convoluta* Hedw.
- Streblotrichum convolutum* var. *sardoa* (Schimp.) Podp. = *Barbula convoluta* var. *sardoa* Schimp.
- Streblotrichum enderesii* (Garov.) Loeske = *Barbula enderesii* Garov.
- Streblotrichum paludosum* J.J. Amann *nom. illeg. incl. spec. prior.* = *Barbula crocea* (Brid.) F. Weber & D. Mohr
- Streblotrichum tenue* (De Not.) Loeske = *Leptobarbula berica* (De Not.) Schimp.
- Streblotrichum unguiculatum* (Hedw.) Loeske = *Barbula unguiculata* Hedw.
- Stroemia gymnostoma* (Bruch ex Brid.) I. Hagen = *Nyholmiella gymnostoma* (Bruch ex Brid.) Holmen & E. Warncke
- Stroemia obtusifolia* (Brid.) I. Hagen = *Nyholmiella obtusifolia* (Brid.) Holmen & E. Warncke
- Stylostegium caespiticium* (F. Weber & D. Mohr) Bruch & Schimp. = *Blindia caespiticia* (F. Weber & D. Mohr) Müll. Hal.
- Swartzia capillacea* (Hedw.) Brid. = *Distichium capillaceum* (Hedw.) Bruch & Schimp.
- Swartzia inclinata* (Hedw.) P. Beauv. = *Distichium inclinatum* (Hedw.) Bruch & Schimp.
- Swartzia montana* Lindb. *nom. illeg. incl. spec. prior.* = *Distichium capillaceum* (Hedw.) Bruch & Schimp.
- Swartzia pusilla* Hedw. *nom. inval.* = *Seligeria pusilla* (Hedw.) Bruch & Schimp.
- Syntrichia alpina* (Bruch. & Schimp.) Jur. *hom. illeg.* = *Syntrichia sinensis* (Müll.Hal.) Ochyra
- Syntrichia bolanderi* (Lesq. & James) R.H. Zander = *Tortula bolanderi* (Lesq. & James) M. Howe
- Syntrichia canescens* (Mont.) Delogne = *Tortula canescens* Mont.
- Syntrichia caninervis* var. *spuria* (J.J. Amann) R.H. Zander = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Syntrichia desertorum* (Broth.) J.J. Amann = *Syntrichia caninervis* Mitt.
- Syntrichia hadacii* Vondr. = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Syntrichia handelii* var. *pseudodesertorum* Vondr. = *Syntrichia caninervis* Mitt. var. *pseudodesertorum* (Vondr.) M.T. Gallego
- Syntrichia inermis* (Brid.) Bruch = *Tortula inermis* (Brid.) Mont.
- Syntrichia inermis* var. *submarginata* (Schiffn.) Podp. = *Tortula subulata* Hedw.
- Syntrichia intermedia* Brid. = *Syntrichia montana* Nees
- Syntrichia intermedia* var. *calva* (Durieu & Sagot ex Bruch & Schimp.) Delogne = *Syntrichia montana* var. *calva* (Durieu & Sagot ex Bruch & Schimp.) J.J. Amann
- Syntrichia laevipila* var. *laevipilaeformis* (De Not.) J.J. Amann = *Syntrichia laevipila* Brid.
- *Syntrichia laevipila* var. *laevipilaeformis* f. *calva* = *Syntrichia laevipila* Brid.
- Syntrichia laevipila* var. *meridionalis* (Schimp.) Jur. = *Syntrichia laevipila* Brid.
- Syntrichia laevipila* var. *mutica* Schultz = *Syntrichia latifolia* (Bruch ex Hartm.) Huebener
- Syntrichia laevipila* var. *pagorum* (Milde) Mönk. = *Syntrichia laevipila* Brid.
- Syntrichia laevipila* var. *propagulifera* (Lindb.) Jur. = *Syntrichia laevipila* Brid.
- Syntrichia laevipilaeformis* (De Not.) Cardot = *Syntrichia laevipila* Brid.

- Syntrichia montana* subsp. *handelii* (Schiffn.) Podp. = *Syntrichia handelii* (Schiffn.) S. Agnew & Vondr.
- Syntrichia mucronifolia* (Schwägr.) Brid. = *Tortula mucronifolia* Schwägr.
- Syntrichia muralis* (Hedw.) Raab = *Tortula muralis* Hedw.
- Syntrichia mutica* Giacom. = *Syntrichia fragilis* (Taylor) Ochyra
- Syntrichia pagorum* (Milde) J.J. Amann = *Syntrichia laevipila* Brid.
- Syntrichia princeps* var. *echinata* (Schiffn.) R.H. Zander = *Syntrichia echinata* (Schiffn.) Herrnst. & Ben-Sasson
- Syntrichia princeps* var. *parnassica* (Schiffn.) Podp. = *Syntrichia princeps* (De Not.) Mitt.
- Syntrichia pseudodesertorum* (J. Froehl.) S. Agnew & Vondr. = *Syntrichia caninervis* Mitt. var. *caninervis*
- Syntrichia pseudohandelii* J. Froehl. = *Syntrichia caninervis* var. *pseudodesertorum* (Vondr.) M.T. Gallego
- Syntrichia pulvinata* (Jur.) Jur. = *Syntrichia virescens* (De Not.) Ochyra
- Syntrichia ruraliformis* (Besch.) Mans. = *Syntrichia ruralis* var. *ruraliformis* (Besch.) Delogne
- Syntrichia ruraliformis* var. *subpapillosissima* Bizot & R.B. Pierrot ex W.A. Kramer = *Syntrichia subpapillosissima* (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra
- Syntrichia ruralis* var. *arenicola* J.J. Amann nom. illeg. = *Syntrichia ruralis* var. *ruraliformis* (Besch.) Delogne
- Syntrichia ruralis* var. *calcicola* (J.J. Amann) Mönk. = *Syntrichia calcicola* J.J. Amann
- Syntrichia ruralis* subsp. *calcicolens* (W.A. Kramer) Düll = *Syntrichia calcicola* J.J. Amann
- Syntrichia ruralis* var. *hirsuta* (Venturi) Podp. = *Syntrichia papillosissima* (Copp.) Loeske
- Syntrichia ruralis* var. *norvegica* (F. Weber) Steud. = *Syntrichia norvegica* F. Weber
- Syntrichia ruralis* subsp. *ruraliformis* (Besch.) Düll = *Syntrichia ruralis* var. *ruraliformis* (Besch.) Delogne
- Syntrichia ruralis* (Hedw.) F. Weber & D. Mohr subsp. *ruralis* = *Syntrichia ruralis* (Hedw.) F. Weber & D. Mohr var. *ruralis*
- Syntrichia ruralis* var. *submamillosa* (W.A. Kramer) R.H. Zander = *Syntrichia subpapillosissima* (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra
- Syntrichia ruralis* var. *subpapillosissima* (Bizot & R.B. Pierrot ex W.A. Kramer) R.H. Zander = *Syntrichia subpapillosissima* (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra
- Syntrichia ruralis* var. *spuria* (J.J. Amann) Podp. nom. illeg. = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Syntrichia spuria* J.J. Amann = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Syntrichia subulata* (Hedw.) F. Weber & D. Mohr = *Tortula subulata* Hedw.
- Syntrichia subulata* subsp. *angustata* (Schimp.) Podp. = *Tortula schimperi* M.J. Cano, O. Werner & J. Guerra
- Syntrichia subulata* var. *graeffii* (Warnst.) J.J. Amann = *Tortula subulata* Hedw.
- Syntrichia subulata* var. *inermis* Brid. = *Tortula inermis* (Brid.) Mont.
- # *Syntrichia subulata* var. *integrifolia* (Boulay) Cardot = *Tortula subulata* Hedw.
- Syntrichia subulata* var. *subinermis* (Bruch & Schimp.) J.J. Amann = *Tortula subulata* Hedw.
- Syntrichia virescens* var. *iranica* (W.A. Kramer) R.H. Zander = *Syntrichia virescens* (De Not.) Ochyra
- Sysetegium crispum* (Hedw.) Schimp. = *Weissia longifolia* Mitt.
- Sysetegium crispum* var. *philibertii* Husn. = *Weissia levieri* (Limpr.) Kindb.
- Sysetegium levieri* Limpr. = *Weissia levieri* (Limpr.) Kindb.
- Sysetegium multicapsulare* (Sm.) Schimp. = *Weissia multicapsularis* (Sm.) Mitt.
- Sysetegium rostellatum* (Brid.) Boulay = *Weissia rostellata* (Brid.) Lindb.
- Sysetegium squarrosus* (Nees & Hornsch.) Boulay = *Weissia squarrosa* (Nees & Hornsch.) Müll. Hal.

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- Taxiphyllum depressum* (Brid.) Reimers = *Taxiphyllum wissgrillii* (Garov.) Wijk & Margad.
- Tayloria longicollis* (Dicks.) Dixon = *Tayloria tenuis* (Dicks. *ex* With.) Schimp.
- Tayloria raineriana* De Not. = *Tayloria acuminata* Hornsch.
- Tayloria serrata* var. *flagellaris* (Brid.) Bruch & Schimp. = *Tayloria serrata* (Hedw.) Bruch & Schimp.
- Tayloria serrata* var. *tenuis* (Dicks.) Bruch & Schimp. = *Tayloria tenuis* (Dicks.) Schimp.
- Tayloria splachnoides* var. *acuminata* (Hornsch.) Huebener = *Tayloria acuminata* Hornsch.
- Tayloria splachnoides* var. *obtusa* Bruch & Schimp. = *Tayloria acuminata* Hornsch.
- Tetraphis browniana* (Dicks.) Grev. = *Tetradontium brownianum* (Dicks.) Schwägr.
- Tetraphis browniana* var. *repanda* (Funck) Hampe = *Tetradontium repandum* (Funck) Schwägr.
- Tetraphis repanda* Funck = *Tetradontium repandum* (Funck) Schwägr.
- Tetraplodon mnioides* var. *cavifolius* Schimp. = *Tetraplodon urceolatus* (Hedw.) Bruch & Schimp.
- Tetradontium brownianum* var. *repandum* (Funck) Limpr. = *Tetradontium repandum* (Funck) Schwägr.
- Thamnium alopecurum* (Hedw.) Schimp. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* var. *cavernarum* (Hedw.) Bruch & Schimp. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* var. *decipiens* Corb. [203]
- Thamnium alopecurum* var. *elongatum* Husn. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* var. *inundatum* Brizi = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* var. *lemanii* Schnetzl. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* subsp. *mediterraneum* Bott. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* var. *protensum* (Turner) Lindb. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium alopecurum* var. *torrentium* Thér. = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnium angustifolium* Holt = *Thamnobryum angustifolium* (Holt) Nieuwl. EXCLUDED FROM THE AREA [314]
- Thamnium canariense* Renauld & Cardot = *Isothecium algarvicum* W.E. Nicholson & Dixon
- Thamnium cossyrense* Bott. = *Scorpiurium sendtneri* (Schimp.) M. Fleisch.
- Thamnium cossyrense* var. *melitense* Bott. = *Scorpiurium circinatum* (Bruch) M. Fleisch. & Loeske
- Thamnium maderense* Lindb. = *Thamnobryum alopecurum* var. *maderense* (Kindb.) M. Stech, Ros & O. Werner [92]
- Thamnium mediterraneum* (Bott.) G. Roth = *Thamnobryum alopecurum* (Hedw.) Gangulee
- # *Thamnobryum alopecurum* subsp. *mediterraneum* var. *juranum* Eberh. *nom. nud.* = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnobryum alopecurum* var. *gracillimum* (Bott.) Düll = *Thamnobryum alopecurum* (Hedw.) Gangulee
- Thamnobryum angustifolium* (Holt) Nieuwl. EXCLUDED FROM THE AREA [314]
- Thamnobryum canariense* (Renauld & Cardot) D.G. Long = *Isothecium algarvicum* W.E. Nicholson & Dixon
- Thamnobryum cossyrense* (Bott.) A.J.E. Sm. = *Scorpiurium sendtneri* (Schimp.) M. Fleisch.
- Thamnobryum maderense* (Kindb.) Hedenäs = *Thamnobryum alopecurum* var. *maderense* (Kindb.) M. Stech, Ros & O. Werner [92]
- Thuidiella minutula* (Hedw.) Reim. *nom. inval.* = *Thuidium minutulum* (Hedw.) Schimp.

- Thuidium abietinum* (Hedw.) Schimp. = ***Abietinella abietina*** (Hedw.) M. Fleisch.
Thuidium abietinum (Hedw.) Schimp. var. *abietinum* = ***Abietinella abietina*** (Hedw.) M. Fleisch. var. ***abietina***
Thuidium abietinum var. *hygrophilum* (Glow.) J.J. Amann = ***Abietinella abietina*** (Hedw.) M. Fleisch.
Thuidium abietinum var. *hystricosum* (Mitt.) Loeske = ***Abietinella abietina*** var. ***hystricosa*** (Mitt.) Sakurai
Thuidium abietinum var. *paludosum* Meyl. = ***Abietinella abietina*** (Hedw.) M. Fleisch.
Thuidium algarvicum (Schimp.) Kindb. = ***Claopodium whippleanum*** (Sull.) Renauld & Cardot
Thuidium atlanticum Hedenäs = ***Pelekium atlanticum*** (Hedenäs) Hedenäs
Thuidium blandowii (F. Weber & D. Mohr) Schimp. = ***Helodium blandowii*** (F. Weber & D. Mohr) Warnst.
Thuidium catenulatum (Brid. ex Schrad.) De Not. = ***Pseudoleskeella catenulata*** (Brid. ex Schrad.) Kindb.
Thuidium decipiens De Not. = ***Palustriella decipiens*** (De Not.) Ochyra
Thuidium delicatulum var. *radicans* (Kindb.) H.A. Crum, Steere & L.E. Anderson = ***Thuidium assimile*** (Mitt.) A. Jaeger
Thuidium delicatulum var. *tamarisciforme* Ryan nom. illeg. = ***Thuidium delicatulum*** (Hedw.) Schimp.
Thuidium elatum Duby = ***Thuidium delicatulum*** (Hedw.) Schimp.
Thuidium erectum Duby = ***Thuidium delicatulum*** (Hedw.) Schimp.
Thuidium hystricosum Mitt. nom. inval. err. orthogr. pro *T. hystricosum* Mitt. = ***Abietinella abietina*** var. ***hystricosa*** (Mitt.) Sakurai
Thuidium hystricosum Mitt. = ***Abietinella abietina*** var. ***hystricosa*** (Mitt.) Sakurai
Thuidium lanatum (Brid.) I. Hagen nom. illeg. incl. spec. prior. = ***Helodium blandowii*** (F. Weber & D. Mohr) Warnst.
Thuidium minutulum (Hedw.) Schimp. = ***Pelekium minutulum*** (Hedw.) Touw
Thuidium molluscum (Hedw.) Mitt. ex Zodda = ***Ctenidium molluscum*** (Hedw.) Mitt.
Thuidium philibertii Limpr. = ***Thuidium assimile*** (Mitt.) A. Jaeger
Thuidium philibertii var. *pseudotamarisci* (Limpr.) Ryan = ***Thuidium assimile*** (Mitt.) A. Jaeger
Thuidium pseudotamarisci Limpr. = ***Thuidium assimile*** (Mitt.) A. Jaeger
Thuidium pulchellum De Not. = ***Haplocladium angustifolium*** (Hampe & Müll. Hal.) Broth.
Thuidium punctulatum (Bals.-Criv. & De Not.) De Not. = ***Haplocladium virginianum*** (Brid.) Broth.
Thuidium recognitum var. *delicatulum* (Hedw.) Warnst. = ***Thuidium delicatulum*** (Hedw.) Schimp.
Thuidium recognitum subsp. *philibertii* (Limpr.) Dixon = ***Thuidium assimile*** (Mitt.) A. Jaeger
Thuidium tamariscifolium Lindb. nom. illeg. incl. spec. prior. = ***Thuidium tamariscinum*** (Hedw.) Schimp.
Timmia austriaca var. *bavarica* (Hessl.) Huebener = ***Timmia bavarica*** Hessl.
Timmia bavarica var. *salisburgensis* (Hoppe ex Laurer) Lindb. = ***Timmia bavarica*** Hessl.
Timmia megapolitana subsp. *austriaca* Hook. & Taylor = ***Timmia austriaca*** Hedw.
Timmia megapolitana subsp. *bavarica* (Hessl.) Brassard = ***Timmia bavarica*** Hessl.
Timmia megapolitana var. *bavarica* (Hessl.) Brid. = ***Timmia bavarica*** Hessl.
Timmia megapolitana var. *norvegica* (J.E. Zetterst.) Lindb. = ***Timmia norvegica*** J.E. Zetterst.
Timmia norvegica var. *excurrens* Bryhn = ***Timmia comata*** Lindb. & Arnell
Timmia salisburgensis (Hoppe ex Laurer) Schultz = ***Timmia bavarica*** Hessl.
Timmiella barbula Limpr. nom. illeg. = ***Timmiella barbuloides*** (Brid.) Mönk.
Timmiella barbula var. *minor* Schimp. ex Luisier = ***Timmiella barbuloides*** (Brid.) Mönk.
Tortella caespitosa (Schwägr.) Limpr. = ***Tortella humilis*** (Hedw.) Jenn.
Tortella cirrifolia (Mitt.) Broth. = ***Tortella nitida*** (Lindb.) Broth.

- Tortella cylindrica* (Bruch ex Brid.) Loeske = *Oxystegus tenuirostris* (Hook. & Taylor) A.J.E. Sm.
- Tortella densa* (Lorentz & Molendo) Crundw. & Nyholm = *Tortella inclinata* var. *densa* (Lorentz & Molendo) Limpr.
- Tortella elkantarensis* Thér. & Trab. = *Tortella squarrosa* (Brid.) Limpr.
- Tortella esterelensis* (J.J. Amann ex G. Roth) Mönk. = *Tortella flavovirens* (Bruch) Broth.
- # *Tortella fasciculata* Culm. ex J.J. Amann *nom. inval.* = *Tortella tortuosa* (Hedw.) Limpr.
- Tortella flavovirens* subsp. *esterelensis* (J.J. Amann ex G. Roth) Giacom. = *Tortella flavovirens* (Bruch) Broth.
- Tortella flavovirens* var. *viridiflava* (De Not.) Cas.-Gil = *Tortella flavovirens* (Bruch) Broth. var. *flavovirens*
- Tortella fragilifolia* (Jur.) G. Roth = *Tortella tortuosa* var. *fragilifolia* (Jur.) Limpr.
- Tortella glareicola* T.A. Chr. = *Tortella flavovirens* var. *glareicola* (T.A. Chr.) Crundw. & Nyholm
- Tortella inclinata* var. *brachypoda* (Besch.) Paris [205]
- Tortella nitida* var. *irrigata* (H. Winter) R.H. Zander [206]
- Tortella nitida* var. *media* (Boulay) Corb. [206]
- Tortella nitida* var. *obtusata* (Boulay) Jelenc [206]
- Tortella nitida* var. *subtortuosa* (Boulay) Jelenc [206]
- Tortella tortuosa* var. *bambergeri* (Schimp.) Düll = *Tortella bambergeri* (Schimp.) Broth.
- Tortella tortuosa* var. *brevifolia* Breidl. = *Tortella tortuosa* (Hedw.) Limpr.
- Tortella tortuosa* f. *curta* Alberts. = *Tortella inclinata* var. *densa* (Lorentz & Molendo) Limpr.
- # *Tortella tortuosa* var. *fasciculata* Culm. = *Tortella tortuosa* (Hedw.) Limpr.
- Tortella tortuosa* f. *fragilifolia* (Jur.) Mönk. = *Tortella tortuosa* var. *fragilifolia* (Jur.) Limpr.
- Tortella tortuosa* var. *fragilifolia* (Jur.) Limpr. = *Tortella tortuosa* var. *fragilifolia* (Jur.) Limpr.
- Tortella tortuosa* var. *laetemarginata* Luisier *nom. illeg.* = *Tortella tortuosa* (Hedw.) Limpr.
- # *Tortella viridiflava* (De Not.) Broth. = *Tortella flavovirens* (Bruch) Broth. var. *flavovirens*
- Tortula abranchesii* Luisier = *Syntrichia caninervis* var. *abranchesii* (Luisier) R.H. Zander
- Tortula acaulon* var. *arcuata* (Herrnst. & Heyn) R.H. Zander [271]
- Tortula acaulon* var. *marginata* (Herrnst. & Heyn) R.H. Zander [271]
- Tortula aciphylla* (Bruch & Schimp.) Hartm. = *Syntrichia norvegica* F. Weber
- Tortula acuminata* Brid. *nom. illeg.* = *Tortula cuneifolia* (Dicks.) Turner
- Tortula acuta* Brid. = *Didymodon acutus* (Brid.) K. Saito
- Tortula aestiva* (Brid. ex Hedw.) P. Beauv. = *Tortula muralis* var. *aestiva* Brid. ex Hedw.
- Tortula aestiva* var. *vulcanicola* Schiffn. = *Tortula muralis* Hedw.
- Tortula aloides* (Koch ex Schultz) De Not. = *Aloina aloides* (Koch ex Schultz) Kindb.
- Tortula alpina* (Bruch & Schimp.) Bruch *nom. illeg.* = *Syntrichia sinensis* (Müll. Hal.) Ochyra
- Tortula alpina* var. *inermis* (Milde) De Not. *nom. illeg.* = *Syntrichia fragilis* (Taylor) Ochyra
- Tortula ambigua* (Bruch & Schimp.) Ångstr. = *Aloina ambigua* (Bruch & Schimp.) Limpr.
- Tortula angustata* Lindb. *hom. illeg.* = *Tortula schimperi* M.J. Cano, O. Werner & J. Guerra
- Tortula angustata* Mitt. = *Tortula schimperi* M.J. Cano, O. Werner & J. Guerra
- Tortula arenacea* (Sull. & Lesq.) Culm. = *Tortula muralis* subsp. *obtusifolia* (Schwägr.) Culm.
- Tortula atherodes* R.H. Zander *nom. inval.* = *Tortula acaulon* R.H. Zander
- Tortula atherodes* var. *arcuata* (Herrnst. & Heyn) R.H. Zander *nom. inval.* = *Tortula acaulon* var. *arcuata* (Herrnst. & Heyn) R.H. Zander [271]
- Tortula atherodes* var. *marginata* (Herrnst. & Heyn) R.H. Zander *nom. inval.* = *Tortula acaulon* var. *marginata* (Herrnst. & Heyn) R.H. Zander [271]
- Tortula atherodes* var. *pilifera* (Hedw.) R.H. Zander *nom. inval.* = *Tortula acaulon* var. *pilifera* (Hedw.) R.H. Zander
- Tortula atrovirens* var. *edentula* (Bruch & Schimp.) Schimp. = *Tortula atrovirens* (Sm.) Lindb.

- Tortula atrovirens* var. *gasilieni* (Venturi) Limpr. = ***Tortula lindbergii*** Broth.
Tortula baetica (Casas & Oliva) J. Guerra & Ros = ***Tortula israelis*** Bizot & F. Bilewsky
Tortula bifrons De Not. = ***Aloina bifrons*** (De Not.) Delgad.
Tortula bistratosa Flowers = ***Syntrichia caninervis*** Mitt. var. *caninervis*
Tortula bizotii Laz. *nom. inval.* = ***Syntrichia minor*** (Bizot) M.T. Gallego, J. Guerra, M.J. Cano, Ros & Sánchez-Moya
Tortula bolanderi (Lesq. & James) M. Howe = ***Syntrichia bolanderi*** (Lesq. & James) R.H. Zander
Tortula bornmuelleri Schiffn. = ***Syntrichia caninervis*** Mitt.
Tortula brebissonii (Brid.) Fior.-Mazz. = ***Dialytrichia mucronata*** (Brid.) Broth.
Tortula brevirostris Hook & Grev. = ***Aloina brevirostris*** (Hook & Grev.) Kindb.
Tortula bryoides (Dicks.) Lindb. *nom. illeg.* = ***Tortula protobryoides*** R.H. Zander
Tortula buyssonii (H. Philip.) Broth. [95]
Tortula cabulica J. Froehl. = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander
Tortula caespitosa (Schwägr.) Hook. & Grev. = ***Tortella humilis*** (Hedw.) Jenn.
Tortula calcicola Grebe *hom. illeg.* = ***Syntrichia calcicola*** J.J. Amann
Tortula calcicolens W.A. Kramer = ***Syntrichia calcicola*** J.J. Amann
Tortula caninervis (Mitt.) Broth. = ***Syntrichia caninervis*** Mitt.
Tortula caninervis (Mitt.) Broth. subsp. *caninervis* = ***Syntrichia caninervis*** Mitt. var. ***caninervis***
Tortula caninervis subsp. *spuria* (J.J. Amann ex G. Roth) W.A. Kramer = ***Syntrichia caninervis*** var. ***gypsophila*** (G. Roth) Ochyra
Tortula chloronotos Brid. = ***Crossidium squamiferum*** (Viv.) Jur.
Tortula chloronotos *auct. non* Brid. = ***Crossidium crassinervium*** (De Not.) Jur.
Tortula convoluta (Hedw.) P. Gaertn., B. Mey. & Scherb. = ***Barbula convoluta*** Hedw.
Tortula crassinervia De Not. = ***Crossidium crassinervium*** (De Not.) Jur.
§ *Tortula crinita* = ***Syntrichia montana*** Nees
Tortula crocea Brid. = ***Barbula crocea*** (Brid.) F. Weber & D. Mohr
Tortula cuneifolia var. *caulescens* Jelenc *nom. nud.* = ***Tortula cuneifolia*** (Dicks.) Turner
Tortula cuneifolia subsp. *freibergii* (Dixon & Loeske) Giacom. = ***Tortula freibergii*** Dixon & Loeske
Tortula cuneifolia var. *marginata* M. Fleisch. = ***Tortula cuneifolia*** (Dicks.) Turner
Tortula cuneifolia var. *pilifera* Jelenc *nom. nud.* = ***Tortula cuneifolia*** (Dicks.) Turner
§ *Tortula cuneifolia* f. *propagulifera* = ***Tortula cuneifolia*** (Dicks.) Turner
Tortula cuneifolia var. *spathulaefolia* (De Not.) De Not. = ***Tortula cuneifolia*** (Dicks.) Turner
Tortula densa (Velen.) J.-P. Frahm = ***Syntrichia calcicola*** J.J. Amann [418]
Tortula desertorum Broth. = ***Syntrichia caninervis*** Mitt. var. *caninervis*
Tortula dicksoniana (Schultz) Podp. = ***Tortula cuneifolia*** (Dicks.) Turner
Tortula echinata Schiffn. = ***Syntrichia echinata*** (Schiffn.) Herrnst. & Ben-Sasson
Tortula elata (Müll. Hal.) Durieu & Mont. = ***Didymodon insulanus*** (De Not.) M.O. Hill
Tortula enervis Hook. & Grev. *nom. illeg.* = ***Aloina rigida*** (Hedw.) Limpr.
Tortula ericaefolia Lindb. = ***Aloina ambigua*** (Bruch & Schimp.) Limpr.
Tortula erubescens (Müll. Hal.) Broth. *nom. illeg.* = ***Syntrichia fragilis*** (Taylor) Ochyra
Tortula eucalyprata Lindb. = ***Tortula hoppeana*** (Schultz) Ochyra
Tortula euryphylla R.H. Zander *nom. superfl.* = ***Tortula hoppeana*** (Schultz) Ochyra
Tortula extenuata De Not. = ***Tortula vahliana*** (Schultz) Mont.
Tortula fallax (Hedw.) Schrad. ex Turner = ***Didymodon fallax*** (Hedw.) R.H. Zander
Tortula fallax var. *recurvifolia* Wilson = ***Didymodon ferrugineus*** (Schimp. ex Besch.) M.O. Hill
Tortula fiorii (Venturi) G. Roth = ***Tortula revolvens*** (Schimp.) G. Roth
Tortula fragilis Taylor = ***Syntrichia fragilis*** (Taylor) Ochyra
Tortula geheebii Broth. = ***Crossidium geheebii*** (Broth.) Broth.
Tortula graeffii (Warnst.) Warnst. = ***Tortula subulata*** Hedw.
Tortula handelii Schiffn. = ***Syntrichia handelii*** (Schiffn.) S. Agnew & Vondr.

- Tortula hellenica* Schiffn. & Baumgartner = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander
- Tortula hellenica* var. *brevifolia* Schiffn. & Baumgartner = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander
- Tortula hornschurchiana* (Schultz) De Not. = ***Pseudocrossidium hornschurchianum*** (Schultz) R.H. Zander
- Tortula humillima* Cardot & Copp. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
- Tortula icmadophila* (Schimp. ex Müll. Hal.) Lindb. = ***Didymodon icmadophilus*** (Schimp. ex Müll. Hal.) K. Saito
- Tortula inermis* var. *submarginata* Schiffn. = ***Tortula subulata*** Hedw.
- Tortula insulana* De Not. = ***Didymodon insulanus*** (De Not.) M.O. Hill
- Tortula intermedia* (Turner) Lindb. *nom. illeg.* = ***Tortula caucasica*** Broth.
- Tortula intermedia* (Brid.) De Not. = ***Syntrichia montana*** Nees
- Tortula intermedia* var. *calva* (Durieu & Sagot ex Bruch & Schimp.) Wijk & Margad. = ***Syntrichia montana*** var. *calva* (Durieu & Sagot ex Bruch & Schimp.) J.J. Amann
- Tortula intermedia* subsp. *handelii* (Schiffn.) Wijk & Margad. = ***Syntrichia handelii*** (Schiffn.) S. Agnew & Vondr.
- Tortula khartoumensis* Pettet = ***Tortula bogosica*** (Müll. Hal.) R.H. Zander
- Tortula laevifolia* *nom. nud.* [266]
- Tortula laevipila* (Brid.) Schwägr. = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *laevipilaeformis* (De Not.) Limpr. = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *marginata* Lindb. = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *meridionalis* (Schimp.) Wijk & Margad. = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *notarisii* Barkman = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *pagorum* Husn. = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *propagulifera* Lindb. = ***Syntrichia laevipila*** Brid.
- Tortula laevipila* var. *wachterii* Barkman = ***Syntrichia laevipila*** Brid.
- Tortula laevipilaeformis* De Not. = ***Syntrichia laevipila*** Brid.
- Tortula lamellata* Lindb. = ***Pterygoneurum lamellatum*** (Lindb.) Jur.
- Tortula lanceola* R.H. Zander = ***Tortula lindbergii*** Broth.
- Tortula lanceola* var. *angustata* (Bruch & Schimp.) R.H. Zander = ***Tortula wilsonii*** (Hook.) R.H. Zander
- Tortula lanceola* var. *lejolissii* (Corb.) R.H. Zander = ***Tortula lindbergii*** Broth.
- Tortula lanceolata* (Hedw.) Lindb. *nom. illeg.* = ***Tortula lindbergii*** Broth.
- Tortula lanceolata* (Hedw.) P. Beauv. = ***Tortula lindbergii*** Broth.
- Tortula lanceolata* subsp. *leucodonta* (Schimp.) R.H. Zander = ***Microbryum starckeanum*** (Hedw.) Müll. Hal.
- Tortula lanceolata* var. *papillosa* (Corb.) R.H. Zander = ***Tortula lindbergii*** Broth.
- Tortula latifolia* Bruch ex Hartm. = ***Syntrichia latifolia*** (Bruch ex Hartm.) Huebener
- Tortula limbata* auct. = ***Tortula marginata*** (Bruch & Schimp.) Spruce
- Tortula limbata* Lindb. = ***Tortula solmsii*** (Schimp.) Limpr.
- Tortula lingulata* Lindb. EXCLUDED FROM THE AREA [96]
- Tortula lingulata* subsp. *montenegrina* (Breidl. & Szyszyl.) Podp. = ***Tortula muralis*** var. ***obtusifolia*** (Schwägr.) Culm. [96]
- Tortula mairei* Thér. & Trab. = ***Encalypta vulgaris*** Hedw.
- Tortula mairei* Meyl. *nom. illeg.* = ***Tortula wilczekii*** Meyl. [94]
- Tortula marginata* subsp. *limbata* (Lindb.) Podp. = ***Tortula solmsii*** (Schimp.) Limpr.
- Tortula membranifolia* Hook. = ***Crossidium squamiferum*** (Viv.) Jur.
- Tortula modica* R.H. Zander = ***Tortula caucasica*** Broth.
- Tortula modica* var. *corsa* (M. Fleisch. & Warnst.) R.H. Zander = ***Tortula pallida*** (Lindb.) R.H. Zander
- Tortula montana* (Nees) Lindb. *hom. illeg.* = ***Syntrichia montana*** Nees
- Tortula montana* var. *calva* (Durieu & Sagot) Limpr. = ***Syntrichia montana*** var. *calva* (Durieu & Sagot) Delogne
- Tortula montenegrina* (Breidl. & Szyszyl.) Broth. = ***Tortula muralis*** var. ***obtusifolia*** (Schwägr.) Culm. [96]

- Tortula muelleri* Hook. f. & Wilson *nom. illeg. incl. spec. prior.* = ***Syntrichia princeps*** (De Not.) Mitt.
- Tortula muelleri* var. *parnassica* Schiffn. = ***Syntrichia princeps*** (De Not.) Mitt.
- Tortula muralis* subsp. *aestiva* (Brid. ex Hedw.) Meyl. = ***Tortula muralis*** var. *aestiva* Brid. ex Hedw.
- Tortula muralis* var. *baetica* Casas & Oliva = ***Tortula israelis*** Bizot & F. Bilewsky
- Tortula muralis* f. *incana* (Bruch & Schimp.) Sapjegin = ***Tortula muralis*** Hedw.
- Tortula muralis* var. *incana* (Bruch & Schimp.) Wilson = ***Tortula muralis*** Hedw.
- Tortula muralis* var. *israelis* (Bizot & F. Bilewsky) Bizot = ***Tortula israelis*** Bizot & F. Bilewsky
- Tortula muralis* f. *obcordata* (Schimp.) Mönk. = ***Tortula muralis*** Hedw.
- Tortula muralis* var. *obcordata* (Schimp.) Limpr. = ***Tortula muralis*** Hedw.
- Tortula muralis* f. *rupestris* (A. Chev.) Sapjegin = ***Tortula muralis*** Hedw.
- Tortula muralis* var. *rupestris* A. Chev. = ***Tortula muralis*** Hedw.
- Tortula mutica* Lindb. = ***Syntrichia latifolia*** (Bruch ex Hartm.) Huebener
- Tortula nervosa* Brid. *hom. illeg.* = ***Tortella inclinata*** (R. Hedw.) Limpr.
- Tortula nitida* Lindb. = ***Tortella nitida*** (Lindb.) Broth.
- Tortula northiana* Grev. = ***Tortella humilis*** (Hedw.) Jenn.
- Tortula norvegica* (F. Weber) Lindb. = ***Syntrichia norvegica*** F. Weber
- Tortula oblongifolia* Wilson = ***Tortula vahliana*** (Schultz) Mont.
- Tortula obtusifolia* Schwägr. = ***Tortula muralis*** subsp. *obtusifolia* (Schwägr.) Culm.
- Tortula pallida* var. *longicuspis* (Warnst.) R.H. Zander = ***Tortula pallida*** (Lindb.) R.H. Zander
- Tortula pagorum* (Milde) De Not. = ***Syntrichia laevipila*** Brid.
- Tortula papillosa* Wilson = ***Syntrichia papillosa*** (Wilson) Jur.
- Tortula papillosissima* (Copp.) Broth. = ***Syntrichia papillosissima*** (Copp.) Loeske
- Tortula pellucida* Lindb. ex De Not. = ***Tortula solmsii*** (Schimp.) Limpr.
- Tortula perlimbata* Geh. ex Cardot = ***Tortula solmsii*** (Schimp.) Limpr.
- Tortula princeps* De Not. = ***Syntrichia princeps*** (De Not.) Mitt.
- # *Tortula princeps* var. *brachycarpa* De Not. = ***Syntrichia princeps*** (De Not.) Mitt.
- Tortula princeps* subsp. *echinata* (Schiffn.) W.A. Kramer = ***Syntrichia echinata*** (Schiffn.) Herrnst. & Ben-Sasson
- Tortula princeps* var. *echinata* (Schiffn.) Bizot = ***Syntrichia echinata*** (Schiffn.) Herrnst. & Ben-Sasson
- Tortula princeps* subsp. *parnassica* (Schiffn.) W.A. Kramer = ***Syntrichia princeps*** (De Not.) Mitt.
- Tortula pseudodesertorum* J. Froehl. = ***Syntrichia caninervis*** Mitt. var. *caninervis*
- Tortula pseudohandellii* J. Froehl. = ***Syntrichia caninervis*** Mitt. var. *pseudodesertorum* (Vondr.) M.T. Gallego
- Tortula pulvinata* (Jur.) Limpr. = ***Syntrichia virescens*** (De Not.) Ochyra
- Tortula pusilla* Mitt. = ***Pterygoneurum ovatum*** (Hedw.) Dixon
- Tortula reflexa* Brid. = ***Didymodon ferrugineus*** (Schimp. ex Besch.) M.O. Hill
- Tortula revoluta* (Brid.) Schrad. = ***Pseudocrossidium revolutum*** (Brid.) R.H. Zander
- Tortula revolvens* var. *obtusata* Reimers = ***Tortula revolvens*** (Schimp.) G. Roth
- Tortula rhizophylla* (Sakurai) Z. Iwats. & K. Saito = ***Leptophascum leptohyllum*** (Müll. Hal.) J. Guerra & M.J. Cano
- Tortula rigescens* Broth. & Geh. = ***Syntrichia rigescens*** (Broth. & Geh.) Ochyra
- Tortula rigida* (Hedw.) Schrad. ex Turner = ***Aloina rigida*** (Hedw.) Limpr.
- Tortula rigidula* (Hedw.) Lindb. = ***Didymodon rigidulus*** Hedw.
- Tortula ruraliformis* (Besch.) W. Ingham = ***Syntrichia ruralis*** var. *ruraliformis* (Besch.) Delogne
- *Tortula ruraliformis* f. *gigantea* Farneti = ***Syntrichia papillosissima*** (Copp.) Loeske
- Tortula ruraliformis* var. *subpapillosissima* Bizot & R.B. Pierrot ex W.A. Kramer = ***Syntrichia subpapillosissima*** (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra

- Tortula ruralis* (Hedw.) P. Gaernt, B. Mey. & Schreb. = *Syntrichia ruralis* (Hedw.) F. Weber & D. Mohr
- Tortula ruralis* var. *alpina* Wahlenb. = *Syntrichia norvegica* F. Weber
- Tortula ruralis* var. *arenicola* Braithw. *nom. illeg. incl. var. prior.* = *Syntrichia ruralis* var. *ruraliformis* (Besch.) Delogne
- Tortula ruralis* subsp. *calcicola* (J.J. Amann) Giacom. = *Syntrichia calcicola* J.J. Amann
- Tortula ruralis* var. *calcicola* (J.J. Amann) Barkman = *Syntrichia calcicola* J.J. Amann
- Tortula ruralis* var. *calcicolens* (W.A. Kramer) Düll = *Syntrichia calcicola* J.J. Amann
- Tortula ruralis* var. *calva* (Durieu & Sagot ex Bruch & Schimp.) C. Hartm. = *Syntrichia montana* var. *calva* (Durieu & Sagot ex Bruch & Schimp.) J.J. Amann
- Tortula ruralis* var. *crinita* De Not. = *Syntrichia montana* Nees
- Tortula ruralis* var. *densiretis* (Venturi) Paris = *Syntrichia ruralis* (Hedw.) F. Weber & D. Mohr var. *ruralis*
- Tortula ruralis* var. *gypsophila* J.J. Amann ex G. Roth = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Tortula ruralis* subsp. *hirsuta* (Venturi) W.A. Kramer = *Syntrichia papillosum* (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra
- Tortula ruralis* subsp. *hirsuta* var. *submamillosa* W.A. Kramer = *Syntrichia subpapillosum* (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra
- Tortula ruralis* var. *laevipila* (Brid.) Hook & Grev. = *Syntrichia laevipila* Brid.
- Tortula ruralis* var. *minor* Wilson *nom. illeg.* = *Syntrichia montana* Nees
- Tortula ruralis* subsp. *norvegica* (F. Weber) Dixon = *Syntrichia norvegica* F. Weber
- Tortula ruralis* var. *norvegica* (F. Weber) Mönck. = *Syntrichia norvegica* F. Weber
- Tortula ruralis* subsp. *ruraliformis* (Besch.) Dixon = *Syntrichia ruralis* var. *ruraliformis* (Besch.) Delogne
- Tortula ruralis* var. *ruraliformis* (Besch.) De Wild. = *Syntrichia ruralis* var. *ruraliformis* (Besch.) Delogne
- Tortula ruralis* var. *rupestris* Wilson = *Syntrichia montana* Nees
- Tortula ruralis* var. *subpapillosum* Bizot & R.B. Pierrot ex W.A. Kramer = *Syntrichia subpapillosum* (Bizot & R.B. Pierrot ex W.A. Kramer) M.T. Gallego & J. Guerra
- Tortula ruralis* subsp. *spuria* (J.J. Amann) Giacom. = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Tortula ruralis* var. *virescens* De Not. = *Syntrichia virescens* (De Not.) Ochyra
- Tortula saccardoana* De Not. = *Syntrichia laevipila* Brid.
- Tortula saharae* Trab. = *Syntrichia caninervis* Mitt. var. *caninervis*
- Tortula santorinensis* Schiffn. = *Tortula solmsii* (Schimp.) Limpr.
- Tortula santorinensis* var. *apiculata* Schiffn. = *Tortula solmsii* (Schimp.) Limpr.
- Tortula setacea* (Brid.) P. Beauv. = *Barbula convoluta* Hedw.
- Tortula sinensis* (Müll. Hal.) Broth. = *Syntrichia sinensis* (Müll. Hal.) Ochyra
- Tortula solmsii* f. *perlimbata* Düll = *Tortula solmsii* (Schimp.) Limpr.
- Tortula solmsii* var. *minor* G. Roth = *Tortula solmsii* (Schimp.) Limpr.
- *Tortula solmsii* var. *robusta* G. Roth = *Tortula solmsii* (Schimp.) Limpr.
- Tortula spadicea* Mitt. = *Didymodon spadiceus* (Mitt.) Limpr.
- Tortula spathulaefolia* De Not. = *Tortula cuneifolia* (Dicks.) Turner
- Tortula spuria* J.J. Amann = *Syntrichia caninervis* var. *gypsophila* (J.J. Amann ex G. Roth) Ochyra
- Tortula squamifera* (Viv.) De Not. = *Crossidium squamiferum* (Viv.) Jur.
- Tortula squamifera* var. *pottioidea* De Not. = *Crossidium squamiferum* (Viv.) Jur.
- Tortula squarrosa* (Brid.) De Not. = *Tortella squarrosa* (Brid.) Limpr.
- Tortula stanfordensis* Steere = *Hennediella stanfordensis* (Steere) Blockeel
- Tortula starckeana* (Hedw.) Kindb. = *Microbryum starckeanum* (Hedw.) R.H. Zander
- Tortula starkei* var. *davallii* Lindb. *nom. illeg.* = *Microbryum davallianum* (Sm.) R.H. Zander
- Tortula stellata* Lindb. *nom. illeg.* = *Aloina rigida* (Hedw.) Limpr.
- Tortula submontana* Broth. = *Syntrichia submontana* (Broth.) Ochyra

- Tortula subulata* var. *angustata* (Schimp.) Kindb. = *Tortula schimperi* M.J. Cano, O. Werner & J. Guerra
- Tortula subulata* f. *dentata* (Boulay) Podp. = *Tortula subulata* Hedw.
- Tortula subulata* var. *dentata* (Boulay) De Wild. = *Tortula subulata* Hedw.
- Tortula subulata* var. *graeffii* Warnst. = *Tortula subulata* Hedw.
- Tortula subulata* var. *inermis* (Brid.) Spruce = *Tortula inermis* (Brid.) Mont.
- # *Tortula subulata* var. *integrifolia* (Boulay) Brizi = *Tortula subulata* Hedw.
- Tortula subulata* var. *mucronifolia* (Schwägr.) Röhl. = *Tortula mucronifolia* Schwägr.
- Tortula subulata* var. *mutica* (Schimp.) Limpr. = *Tortula subulata* Hedw.
- Tortula subulata* var. *recurvomarginata* Breidl. ex Limpr. = *Tortula subulata* Hedw.
- Tortula subulata* var. *subinermis* (Bruch & Schimp.) Wilson = *Tortula subulata* Hedw.
- Tortula tortuosa* Hedw. = *Tortella tortuosa* (Hedw.) Limpr.
- Tortula truncata* var. *littoralis* (Mitt.) R.H. Zander = *Tortula pallida* (Lindb.) R.H. Zander
- Tortula unguiculata* Turner = *Bryoerythrophyllum recurvirostre* (Hedw.) P.C. Chen
- Tortula unguiculata* (Hedw.) P. Beauv. nom. illeg. = *Barbula unguiculata* Hedw.
- Tortula vahliana* var. *minor* (Husn.) Paris = *Tortula vahliana* (Schultz) Mont.
- Tortula vahliana* var. *subflaccida* Braithw. = *Tortula vahliana* (Schultz) Mont.
- Tortula vectensis* E.F. Warb. & Crundw. = *Leptophascum leptophyllum* (Müll. Hal.) J. Guerra & M.J. Cano
- Tortula vinealis* (Brid.) Spruce = *Didymodon vinealis* (Brid.) R.H. Zander
- Tortula vinealis* var. *glacialis* Spruce ex Schimp. nom. inval. = *Didymodon giganteus* (Funck) Jur.
- Tortula virescens* De Not. = *Syntrichia virescens* (De Not.) Ochyra
- Tortula virescens* subsp. *bizotiana* W.A. Kramer = *Syntrichia minor* (Bizot) M.T. Gallego, J. Guerra, M.J. Cano, Ros & Sánchez-Moya
- Tortula virescens* var. *iranica* W.A. Kramer = *Syntrichia virescens* (De Not.) Ochyra
- Tortula wilczekii* Meyl. [94]
- Tortula wilsonii* var. *asperula* (Mitt.) R.H. Zander = *Tortula wilsonii* (Hook.) R.H. Zander
- Tortula wilsonii* var. *crinita* (Bruch & Schimp.) R.H. Zander = *Tortula viridifolia* (Mitt.) Blockeel & A.J.E. Sm.
- Tortula wilsonii* var. *mucronifolia* (Bruch) R.H. Zander = *Tortula wilsonii* (Hook.) R.H. Zander
- Tortula zoddæ* R.H. Zander = *Tortula pallida* (Lindb.) R.H. Zander
- Trematodon elongatus* I. Hagen nom. illeg. incl. spec. prior. = *Trematodon ambiguus* (Hedw.) Hornsch.
- Trematodon solmsii* Bolle = *Trematodon longicollis* Michx.
- Trematodon vulgaris* Brid. nom. illeg. incl. spec. prior. = *Trematodon ambiguus* (Hedw.) Hornsch.
- Trichostomopsis aaronis* (Lorentz) S. Agnew & C.C. Towns. = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
- Trichostomopsis australasiae* (Hook. & Grev.) H. Rob. = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
- Trichostomopsis australasiae* var. *umbrosa* (Müll. Hal.) Düll = *Didymodon umbrosus* (Müll. Hal.) R.H. Zander
- Trichostomopsis diaphanobasis* (Cardot) Grout = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
- Trichostomopsis brevifolia* E.B. Bartram = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
- Trichostomopsis haussknechtii* (Jur. & Milde) S. Agnew & C.C. Townsend = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander
- Trichostomopsis trivialis* (Müll. Hal.) H. Rob. = *Didymodon umbrosus* (Müll. Hal.) R.H. Zander
- Trichostomopsis trivialis* auct. non (Müll. Hal.) H. Rob. = *Didymodon australasiae* (Hook. & Grev.) R.H. Zander [20]
- Trichostomopsis umbrosa* (Müll. Hal.) H. Rob. = *Didymodon umbrosus* (Müll. Hal.) R.H. Zander

- Trichostomum aaronis* Lorentz = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander
Trichostomum aciculare (Hedw.) P. Beauv. = ***Racomitrium aciculare*** (Hedw.) Brid.
Trichostomum affine Schleich. ex F. Weber & D. Mohr = ***Racomitrium affine*** (Schleich. ex F. Weber & D. Mohr) Lindb.
Trichostomum aloides Koch ex Schultz = ***Aloina aloides*** (Koch ex Schultz) Kindb.
Trichostomum alpigenum Venturi = ***Bryoerythrophyllum alpigenum*** (Venturi) P.C. Chen
Trichostomum anomalum (Bruch & Schimp.) Schimp. = ***Timmia anomala*** (Bruch & Schimp.) Limpr.
Trichostomum armatum Thér. & Trab. = ***Weissia condensa*** var. ***armata*** (Thér. & Trab.) M.J. Cano, Ros & J. Guerra
Trichostomum australasiae (Hook. & Grev.) A. Jaeger = ***Didymodon australasiae*** (Hook. & Grev.) R.H. Zander
Trichostomum azoricum Cardot = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum bambergeri Schimp. = ***Tortella bambergeri*** (Schimp.) Broth.
Trichostomum barbula Schwägr. *nom. illeg.* = ***Timmia barbuloidea*** (Brid.) Mönk.
Trichostomum barbuloidea Brid. = ***Timmia barbuloidea*** (Brid.) Mönk.
Trichostomum bericum (De Not). De Not. = ***Leptobarbula berica*** (De Not.) Schimp.
Trichostomum brachydontium var. *angustifolium* (Lindb.) Wijk & Margad. = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium var. *cophocarpum* (Schimp.) Cout. = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium subsp. *cuspidatum* (Braithw.) Giacom = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium var. *cuspidatum* (Braithw.) L.I. Savicz = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium var. *cylindricum* (Schimp.) Cout. = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium subsp. *densum* (Bruch & Schimp.) Giacom. = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium var. *densum* (Bruch & Schimp.) Düll = ***Trichostomum brachydontium*** Bruch
\$ *Trichostomum brachydontium* subsp. *littorale* = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium var. *littorale* (Mitt.) C.E.O. Jensen = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium subsp. *mutabile* (Bruch) Giacom. = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium var. *nigroviride* (Renauld & Cardot) Luisier = ***Trichostomum brachydontium*** Bruch
Trichostomum brachydontium subsp. *pusillum* F. Koppe [157]
Trichostomum brevifolium Sendtn. ex Müll. Hal. = ***Trichostomum crispulum*** Bruch
Trichostomum caespitosum (Bruch ex Brid.) Jur. = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum calcareum (Nees & Hornsch.) Lindb. = ***Gymnostomum calcareum*** Nees & Hornsch.
Trichostomum canescens Hedw. = ***Racomitrium canescens*** (Hedw.) Brid.
Trichostomum capillaceum (Hedw.) Sm. = ***Distichium capillaceum*** (Hedw.) Bruch & Schimp.
Trichostomum cernuum (Huebener) Lindb. = ***Tortula cernua*** (Huebener) Lindb.
Trichostomum circinans Schimp. *nom. inval.* = ***Tortella nitida*** (Lindb.) Broth.
Trichostomum cirrifolium (Mitt.) Paris = ***Tortella nitida*** (Lindb.) Broth.
Trichostomum convolutum Brid. = ***Tortula atrovirens*** (Sm.) Lindb.
\$ *Trichostomum crispulum* f. *acuminatum* = ***Trichostomum crispulum*** Bruch
Trichostomum crispulum var. *acuminatum* Meyl. = ***Trichostomum crispulum*** Bruch
Trichostomum crispulum var. *algarvicum* Schimp. [290]

- Trichostomum crispulum* var. *angustifolium* Bruch & Schimp. = ***Trichostomum crispulum***
Bruch
- Trichostomum crispulum* var. *armatum* (Thér. & Trab.) Bizot = ***Weissia condensa*** var.
armata (Thér. & Trab.) M.J. Cano, Ros & J. Guerra
- Trichostomum crispulum* subsp. *brevifolium* (Sendtn. ex Müll. Hal.) Giacom. =
Trichostomum crispulum Bruch
- Trichostomum crispulum* var. *brevifolium* (Sendtn. ex Müll. Hal.) Bruch & Schimp. =
Trichostomum crispulum Bruch
- Trichostomum crispulum* var. *cucullatum* (Cardot ex G. Roth) Podp. = ***Trichostomum***
crispulum Bruch
- Trichostomum crispulum* var. *elatum* Schimp. = ***Trichostomum crispulum*** Bruch
- Trichostomum crispulum* f. *longifolium* Bouvet = ***Trichostomum crispulum*** Bruch
- # *Trichostomum crispulum* var. *madeirense* Geh. nom. nud. = ***Trichostomum crispulum***
Bruch
- Trichostomum crispulum* var. *pseudoweisia* Schimp. = ***Trichostomum crispulum*** Bruch
- Trichostomum crispulum* var. *viridulum* (Bruch) Dixon = ***Trichostomum crispulum*** Bruch
- Trichostomum curvifolium* Brid. ex De Not. nom. illeg. incl. spec. prior. = ***Tortella inflexa***
(Bruch) Broth.
- Trichostomum cuspidatum* Schimp. hom. illeg. = ***Trichostomum brachydontium*** Bruch
- Trichostomum cylindricum* (Bruch ex Brid.) Müll. Hal. hom. illeg. = ***Oxystegus tenuirostris***
(Hook. & Taylor) Lindb.
- Trichostomum cylindricum* Hedw. = ***Ditrichum cylindricum*** (Hedw.) Schimp.
- # *Trichostomum cylindricum* var. *robustum* Schimp. nom. illeg. = ***Oxystegus tenuirostris***
(Hook. & Taylor) A.J.E. Sm.
- Trichostomum decipiens* Schultz = ***Grimmia decipiens*** (Schultz) Lindb.
- Trichostomum diffractum* Mitt. = ***Tortella nitida*** (Lindb.) Broth.
- Trichostomum ehrenbergii* Lorentz = ***Barbula bolleana*** (Müll. Hal.) Broth.
- § *Trichostomum elatum* = ***Trichostomum crispulum*** Bruch
- Trichostomum ericoides* Brid. = ***Racomitrium ericoides*** (Brid.) Brid.
- Trichostomum esterelense* J.J. Amann ex G. Roth = ***Tortella flavovirens*** (Bruch) Broth.
- Trichostomum fasciculare* Hedw. = ***Racomitrium fasciculare*** (Hedw.) Brid.
- Trichostomum flavicans* Müll. Hal. nom. illeg. = ***Tortula obtusifolia*** (Schwägr.) Mathieu
- Trichostomum flavovirens* Bruch = ***Tortella flavovirens*** (Bruch) Broth.
- Trichostomum flavovirens* var. *brevifolium* Schiffn. = ***Tortella flavovirens*** (Bruch) Broth.
- # *Trichostomum flavovirens* var. *laevis* Luisier = ***Tortella flavovirens*** (Bruch) Broth.
- § *Trichostomum flavovirens* var. *littorale* = ***Trichostomum brachydontium*** Bruch
- Trichostomum flavovirens* var. *medium* Boulay = ***Tortella nitida*** var. *media* (Boulay) Corb.
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- Trichostomum flavovirens* var. *obtusum* Boulay = ***Tortella nitida*** var. *obtusum* (Boulay) Jelenc
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- # *Trichostomum flavovirens* var. *nitido-costatum* Bott. = ***Tortella flavovirens*** (Bruch) Broth.
- Trichostomum flavovirens* var. *subtortuosum* Boulay = ***Tortella nitida*** var. *subtortuosa*
(Boulay) Jelenc [206]
- Trichostomum flexicaule* (Schwägr.) Bruch & Schimp. = ***Ditrichum flexicaule*** (Schwägr.)
Hampe
- Trichostomum flexifolium* (Dicks.) Sm. = ***Leptodontium flexifolium*** (Dicks.) Hampe
- Trichostomum flexipes* Bruch & Schimp. nom. illeg. incl. spec. prior. = ***Timmiella flexiseta***
(Bruch) Limpr.
- Trichostomum flexisetum* Bruch = ***Timmiella flexiseta*** (Bruch) Limpr.
- Trichostomum fontinaloides* Hedw. = ***Cinclidotus fontinaloides*** (Hedw.) P. Beauv.
- Trichostomum fragile* (Hook. & Wilson) Müll. Hal. = ***Tortella fragilis*** (Hook. & Wilson)
Limpr.
- Trichostomum funale* Schwägr. = ***Grimmia funalis*** (Schwägr.) Bruch & Schimp.
- Trichostomum glaucescens* Hedw. = ***Saelania glaucescens*** (Hedw.) Broth.
- Trichostomum guepinii* (Bruch & Schimp.) Müll. Hal. = ***Tortula guepinii*** (Bruch &
Schimp.) Broth.

- Trichostomum hammerschmidii* Loeske & H.K.G. Paul = ***Trichostomum crispulum*** Bruch
Trichostomum heterostichum Hedw. = ***Racomitrium heterostichum*** (Hedw.) Brid.
Trichostomum homomallum (Hedw.) Bruch & Schimp. = ***Ditrichum heteromallum*** (Hedw.) E. Britton
Trichostomum hibernicum (Mitt.) Dixon = ***Oxystegus hibernicus*** (Mitt.) Hilp.
Trichostomum hypnoides Willd. ex P. Beauv. *nom. illeg.* = ***Racomitrium lanuginosum*** (Hedw.) Brid.
Trichostomum inclinatum (R. Hedw.) Dixon *hom. illeg.* = ***Tortella inclinata*** (R. Hedw.) Limpr.
Trichostomum incurvum Hoppe & Hornsch. = ***Grimmia elatior*** Bruch ex Bals.-Criv. & De Not.
Trichostomum inflexum Bruch = ***Tortella inflexa*** (Bruch) Broth.
Trichostomum lamyianum Schimp. = ***Didymodon brachyphyllus*** (Sull.) R.H. Zander
Trichostomum lanuginosum Hedw. = ***Racomitrium lanuginosum*** (Hedw.) Brid.
Trichostomum latifolium (Hedw.) Schwägr. = ***Tortula hoppeana*** (Schultz) Ochyra
Trichostomum latifolium var. *muticum* (Brid.) Müll. Hal. = ***Tortula hoppeana*** (Schultz) Ochyra
Trichostomum laureri Schultz = ***Tortula laureri*** (Schultz) Lindb.
Trichostomum limbatum Schiffn. = ***Tortella limbata*** (Schiffn.) Geh. & Herzog
Trichostomum littorale Mitt. = ***Trichostomum brachydontium*** Bruch
Trichostomum mediterraneum Müll. Hal. = ***Barbula bolleana*** (Müll. Hal.) Broth.
Trichostomum mediterraneum var. *algeriae* Müll. Hal. = ***Barbula ehrenbergii*** var. *algeriae* (Müll. Hal.) Venturi & Bott. [184]
Trichostomum microcarpum Hedw. = ***Racomitrium microcarpon*** (Hedw.) Brid.
Trichostomum monspeliense Schimp. = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum mosis Lorentz = ***Gymnostomum mosis*** (Lorentz) Jur. & Milde
Trichostomum mucronatulum Cardot = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile Bruch = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *brevifolium* Schiffn. = ***Trichostomum brachydontium*** Bruch.
Trichostomum mutabile subsp. *cuspidatum* (Braithw.) Podp. = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *cuspidatum* (Schimp.) Limpr. = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *cylindricum* Schimp. = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile subsp. *densum* (Bruch & Schimp.) J.J. Amann = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *densum* Bruch & Schimp. = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *eu-mutabile* Mönk. *nom. illeg.* = ***Trichostomum brachydontium*** Bruch
▶ *Trichostomum mutabile* f. *latifolia* Herzog = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *littorale* (Mitt.) Dixon = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *nigroviride* Renauld & Cardot = ***Trichostomum brachydontium*** Bruch
Trichostomum mutabile var. *robustius* Jur. *nom. inval.* = ***Tortella nitida*** (Lindb.) Broth.
Trichostomum mutabile var. *unguiculatum* (H. Philib.) Husn. = ***Trichostomum brachydontium*** Bruch
Trichostomum nitidum (Lindb.) Schimp. = ***Tortella nitida*** (Lindb.) Broth.
Trichostomum nitidum var. *medium* (Boulay) Zodda = ***Tortella nitida*** var. *media* (Boulay) Corb. [206]
Trichostomum nitidum var. *obtusum* (Boulay) Zodda = ***Tortella nitida*** var. *obtusum* (Boulay) Jelenc [206]
Trichostomum nitidum var. *subtortuosum* (Boulay) Zodda = ***Tortella nitida*** var. *subtortuosa* (Boulay) Jelenc [206]
Trichostomum obtusum Brid. = ***Racomitrium obtusum*** (Brid.) Brid.

- Trichostomum ovatum* P. Beauv. *nom. illeg.* = *Grimmia ovalis* (Hedw.) Lindb.
Trichostomum pallidisetum H. Müll. = *Pottiopsis caespitosa* (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum pallidum Hedw. = *Ditrichum pallidum* (Hedw.) Hampe
Trichostomum philiberti Schimp. = *Pottiopsis caespitosa* (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum piliferum (Brid.) Sm. = *Stegonia latifolia* (Schwägr.) Venturi ex Broth.
Trichostomum polyphyllum (Dicks. ex Sw.) Turner = *Ptychomitrium polyphyllum* (Dicks. ex Sw.) Bruch & Schimp.
Trichostomum protensum A. Braun ex Duby = *Racomitrium aquaticum* (Brid. ex Schrad.) Brid.
Trichostomum reflexum (Brid.) Lindb. = *Gyroweisia reflexa* (Brid.) Schimp.
Trichostomum reflexum var. *gymnostomum* Lindb. = *Gyroweisia tenuis* (Hedw.) Schimp.
Trichostomum rigidulum (Hedw.) Turner = *Didymodon rigidulus* Hedw.
Trichostomum rigidulum var. *cataractarum* J.E. Zetterst. *nom. inval.* = *Didymodon spadiceus* (Mitt.) Limpr.
Trichostomum rigidulum var. *densum* Bruch & Schimp. = *Didymodon rigidulus* Hedw.
Trichostomum rigidulum var. *insidiosum* (Jur. & Milde) Boulay = *Didymodon spadiceus* (Mitt.) Limpr.
Trichostomum riparium Host ex Brid. = *Cinclidotus riparius* (Host ex Brid.) Arn.
Trichostomum rubellum Rabenh. *nom. illeg.* = *Bryoerythrophyllum recurvirostrum* (Hedw.) P.C. Chen
Trichostomum sciuroides (Hedw.) D. Mohr = *Leucodon sciuroides* (Hedw.) Schwägr.
Trichostomum sinuosum (Mitt.) Müll. Hal. = *Didymodon sinuosus* (Mitt.) Delogne
Trichostomum strictum Bruch ex De Not. *nom. illeg.* = *Cheilothela chloropus* (Brid.) Broth
Trichostomum stroblii Jur. *nom. nud.* [332]
Trichostomum subulatum Bruch & Schimp. *nom. illeg.* = *Ditrichum subulatum* Hampe
Trichostomum sudeticum Funck = *Racomitrium sudeticum* (Funck) Bruch & Schimp.
Trichostomum tenue Hedw. = *Ditrichum pusillum* (Hedw.) Hampe
Trichostomum tenuirostre (Hook. & Taylor) Lindb. = *Oxystegum tenuirostris* (Hook. & Taylor) A.J.E. Sm.
Trichostomum tophaceum Brid. = *Didymodon tophaceus* (Brid.) Lisa
Trichostomum tophaceum var. *acutifolium* Schimp. *nom. illeg.* = *Didymodon tophaceus* (Brid.) Lisa
Trichostomum tophaceum var. *brevifolium* Bruch & Schimp. = *Didymodon tophaceus* var. *brevifolius* (Bruch & Schimp.) Paris [191]
Trichostomum tortile Schrad. = *Ditrichum pusillum* (Hedw.) Hampe
Trichostomum tortuosum (Hedw.) Dixon = *Tortella tortuosa* (Hedw.) Limpr.
Trichostomum triumphans De Not. = *Pottiopsis caespitosa* (Brid.) Blockeel & A.J.E. Sm.
Trichostomum triumphans var. *azoricum* (Cardot) Podp. = *Pottiopsis caespitosa* (Brid.) Blockeel & A.J.E. Sm.
Trichostomum triumphans var. *monspeliense* (Schimp.) Husn. = *Pottiopsis caespitosa* (Brid.) Blockeel & A.J.E. Sm.
Trichostomum triumphans var. *pallidisetum* (H. Müll.) Husn. = *Pottiopsis caespitosa* (Brid.) Blockeel & A.J.E. Sm.
Trichostomum triumphans subsp. *philiberti* (Schimp.) Boulay = *Pottiopsis caespitosa* (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum triumphans var. *philiberti* (Schimp.) Husn. = *Pottiopsis caespitosa* (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Trichostomum undatum Schimp. = *Barbula convoluta* var. *sardoa* Schimp.
Trichostomum vaginans Sull. = *Ditrichum lineare* (Sw.) Lindb.
Trichostomum viridiflavum De Not. = *Tortella flavovirens* (Bruch) Broth. var. *flavovirens*
Trichostomum viridulum Bruch = *Trichostomum crispulum* Bruch
Trichostomum warnstorffii Limpr. *nom. illeg. incl. spec. prior.* = *Hyophila involuta* (Hook.) A. Jaeger

Triquetrella ferruginea (Schimp. *ex* Besch.) Thér. = *Didymodon ferrugineus* (Schimp. *ex* Besch.) M.O. Hill

Triquetrella papillata (Hook. f. & Wilson) Broth. EXCLUDED FROM THE AREA. [104]

Trochobryum carniolicum Breidl. & Beck = *Seligeria carniolica* (Breidl. & Beck) Nyholm

U

Ulota americana (P. Beauv.) Limpr. *hom. illeg.* = *Ulota hutchinsiae* (Sm.) Hammar

Ulota calvescens f. *propagulifera* Broth. = *Ulota calvescens* Wilson

Ulota crispa var. *crispula* (Bruch) Hammar = *Ulota crispa* (Hedw.) Brid.

Ulota crispa var. *intermedia* (Schimp.) Cardot *nom. illeg. incl. var. prior.* = *Ulota crispa* (Hedw.) Brid.

Ulota crispa var. *norvegica* (Grönv.) A.J.E. Sm. & M.O. Hill = *Ulota bruchii* Hornsch.

Ulota crispula Bruch = *Ulota crispa* (Hedw.) Brid.

Ulota intermedia Schimp. = *Ulota crispa* (Hedw.) Brid.

Ulota ludwigii Brid. = *Ulota coarctata* (P. Beauv.) Hammar

Ulota nicholsonii Culm. = *Ulota crispa* (Hedw.) Brid.

Ulota rehmannii subsp. *macrospora* (E. Bauer & Warnst.) Podp. = *Ulota macrospora* E. Bauer & Warnst.

Ulota ulophylla Broth. = *Ulota crispa* (Hedw.) Brid.

Ulota vittata Mitt. = *Ulota calvescens* Wilson

V

Vesicularia galerulata (Duby) Broth. EXCLUDED FROM THE AREA [114]

Vesicularia sphaerocarpa (A. Jaeger) Broth. = *Vesicularia galerulata* (Duby) Broth. EXCLUDED FROM THE AREA [114]

Voitia vogesica (Schwägr.) Duby = *Bruchia vogesiaca* Schwägr.

W

Warnstorfia exannulata (Schimp.) Loeske = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

§ *Warnstorfia exannulata* var. *alpinus* = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

§ *Warnstorfia exannulata* var. *brachydietyon* = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

§ *Warnstorfia exannulata* var. *falcifolia* = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

Warnstorfia exannulata var. *nigricans* (Brid.) Ochyra = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

Warnstorfia exannulata var. *purpurascens* (Schimp.) Tuom. & T.J. Kop. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

Warnstorfia exannulata var. *rotae* (De Not.) Loeske = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

Warnstorfia fluitans var. *falcata* (Sanio *ex* C.E.O. Jensen) H.A. Crum & L.E. Anderson = *Warnstorfia fluitans* (Hedw.) Loeske

Warnstorfia procera (Renauld & Arnell) Tuom. = *Sarmentypnum exannulatum* (Schimp.) Hedenäs

Warnstorfia sarmentosa (Wahlenb.) Hedenäs = *Sarmentypnum sarmentosum* (Wahlenb.) Tuom. & T.J. Kop.

Webera acuminata (Hoppe & Hornsch.) Schimp. *nom. illeg. incl. spec. prior.* = *Pohlia elongata* var. *acuminata* (Hoppe & Hornsch.) Huebener

Webera affinis Bruch *nom. inval. in synonym.* = *Ptychostomum creberrimum* (Taylor) J.R. Spence & H.P. Ramsay

Webera albicans (Wahlenb.) Schimp. = *Pohlia wahlenbergii* (F. Weber & D. Mohr) A.L. Andrews

Webera albicans var. *glacialis* (Brid.) Schimp. = *Pohlia wahlenbergii* var. *glacialis* (Brid.) E.F. Warb.

- # *Webera albicans* var. *robusta* Meyran *nom. nud.* = *Pohlia wahlenbergii* (F. Weber & D. Mohr) A.L. Andrews
Webera andalusica Höhn. = *Pohlia andalusica* (Höhn.) Broth.
Webera annotina (Hedw.) Bruch *in Schwägr.* = *Pohlia annotina* (Hedw.) Lindb.
Webera annotina var. *bulbifera* (Warnst.) Correns *in Dixon* = *Pohlia bulbifera* (Warnst.) Warnst.
Webera annotina var. *decipiens* (Loeske) Röhl = *Pohlia annotina* (Hedw.) Lindb.
Webera annotina var. *rothii* (Correns) Dism. = *Pohlia filum* (Schimp.) Martenson
Webera bicolor Hoppe & Hornsch. = *Pohlia nutans* (Hedw.) Lindb.
Webera breidlerii Jur. = *Pohlia ludwigii* (Spreng. *ex Schwägr.*) Broth.
Webera bulbifera Warnst. = *Pohlia bulbifera* (Warnst.) Warnst.
Webera caespitosa Hoppe & Hornsch. = *Pohlia elongata* Hedw.
Webera calcarea Warnst. = *Pohlia wahlenbergii* var. *calcarea* (Warnst.) E.F. Warb.
Webera camptotrachela Renauld & Cardot = *Pohlia camptotrachela* (Renauld & Cardot) Broth.
Webera carinata (Boulay) Limpr. = *Pohlia filum* (Schimp.) Martensson
Webera carinata *auct.* = *Pohlia drummondii* (Müll. Hal.) A.L. Andrews
Webera carnea Schimp. = *Pohlia melanodon* (Brid.) A.J. Shaw
Webera commutata Schimp. = *Pohlia drummondii* (Müll. Hal.) A.L. Andrews
Webera commutata var. *elongata* Payot = *Pohlia filum* (Schimp.) Martensson
Webera commutata var. *filum* (Schimp.) Husn. = *Pohlia filum* (Schimp.) Martensson
Webera commutata var. *gracilis* (Bruch & Schimp.) Schimp. = *Pohlia filum* (Schimp.) Martensson
Webera cruda (Hedw.) Fürnr. = *Pohlia cruda* (Hedw.) Lindb.
Webera cruda var. *brachycarpa* Meyran *nom. nud.* = *Pohlia cruda* (Hedw.) Lindb.
Webera cruda var. *densa* Thér. = *Pohlia cruda* (Hedw.) Lindb.
Webera cruda var. *minor* (Bruch & Schimp.) Schimp. = *Pohlia cruda* (Hedw.) Lindb.
Webera cucullata (Schwägr.) Schimp. = *Pohlia obtusifolia* (Vill. *ex Brid.*) L.F. Koch
Webera cucullata var. *carinata* (Boulay) Husn. = *Pohlia filum* (Schimp.) Martensson
Webera cucullata var. *nigrita* Meyran *nom. nud.* = *Pohlia obtusifolia* (Vill. *ex Brid.*) L.F. Koch
Webera elongata (Hedw.) Schwägr. = *Pohlia elongata* Hedw.
Webera elongata var. *alpinum* (Hoppe & Hornsch.) Hérib. = *Pohlia longicolla* (Hedw.) Lindb.
Webera elongata var. *macrocarpa* (Hoppe & Hornsch.) Schimp. = *Pohlia elongata* Hedw.
Webera gracilis (Bruch & Schimp.) De Not. = *Pohlia filum* (Schimp.) Martensson
Webera grandiflora (H. Lindb.) C.E.O. Jensen = *Pohlia annotina* (Hedw.) Lindb.
Webera grandiflora var. *decipiens* (Loeske) Jansen & Wacht. = *Pohlia annotina* (Hedw.) Lindb.
Webera longicollis Hedw. = *Pohlia longicollis* (Hedw.) Lindb.
Webera longiseta Schleich. *nom. nud.* = *Pohlia nutans* (Hedw.) Lindb.
Webera ludwigii (Spreng. *ex Schwägr.*) Fürnr. = *Pohlia ludwigii* (Spreng. *ex Schwägr.*) Broth.
Webera ludwigii var. *elongata* Husn. = *Pohlia ludwigii* (Spreng. *ex Schwägr.*) Broth.
Webera ludwigii var. *latifolia* Schimp. = *Pohlia ludwigii* (Spreng. *ex Schwägr.*) Broth.
Webera ludwigii var. *major* Schimp. *ex Husn.* = *Pohlia ludwigii* (Spreng. *ex Schwägr.*) Broth.
Webera luisieri Dixon *in Luisier* = *Pohlia elongata* var. *greenii* (Brid.) A.J. Shaw
Webera lutescens Limpr. = *Pohlia lutescens* (Limpr.) H. Lindb.
Webera macrocarpa Hoppe & Hornsch. = *Pohlia elongata* Hedw.
Webera maderensis Dixon & Luisier = *Pohlia elongata* Hedw. [311]
Webera neapolitana De Not. = *Anomobryum julaceum* (Schrad. *ex P. Gaertn. et al.*) Schimp.
Webera nutans Hedw. = *Pohlia nutans* (Hedw.) Lindb.
Webera nutans var. *bicolor* (Hoppe & Hornsch.) Fürnr. = *Pohlia nutans* (Hedw.) Lindb.
Webera nutans var. *caespitosa* (Hoppe & Hornsch.) Fürnr. = *Pohlia elongata* Hedw.
Webera nutans var. *gracilescens* Meyran *nom. nud.* = *Pohlia nutans* (Hedw.) Lindb.

- Webera nutans* var. *longiseta* Huebener = ***Pohlia nutans*** (Hedw.) Lindb.
 # *Webera nutans* var. *robusta* Meyran *nom. nud.* = ***Pohlia nutans*** (Hedw.) Lindb.
Webera nutans var. *sphagnetorum* Schimp. = ***Pohlia nutans*** (Hedw.) Lindb.
Webera nutans var. *strangulata* (Nees) Schimp. = ***Pohlia nutans*** (Hedw.) Lindb.
Webera nutans var. *subdenticulata* (Brid.) Huebener = ***Pohlia nutans*** (Hedw.) Lindb.
Webera nutans var. *uliginosa* Schimp. = ***Pohlia nutans*** (Hedw.) Lindb.
Webera polymorpha (Hoppe & Hornsch.) Schimp. = ***Pohlia elongata*** Hedw.
Webera polymorpha var. *brachycarpa* (Hoppe & Hornsch.) Schimp. = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
Webera polymorpha var. *gracilis* (Hoppe & Hornsch.) Schimp. = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
Webera polymorpha var. *stricta* (Bruch & Schimp.) Schimp. = ***Pohlia elongata*** var. ***greenii*** (Brid.) A.J. Shaw
Webera prolifera Kindb. = ***Pohlia prolifera*** (Kindb.) Lindb. *ex* Broth.
Webera prolifera var. *tenella* Schiffn. = ***Pohlia prolifera*** (Kindb.) Lindb. *ex* Broth.
Webera pulchella (Hedw.) Fűrnr. = ***Pohlia lescuriana*** (Sull.) Ochi
Webera pyriformis Hedw. = ***Leptobryum pyriforme*** (Hedw.) Wilson
Webera sacra Lorentz = ***Bryum turbinatum*** (Hedw.) Turner
Webera serrifolia Bryhn = ***Pohlia bulbifera*** (Warnst.) Warnst.
Webera sessilis Lindb. *nom. illeg. incl. spec. prior.* = ***Diphyscium foliosum*** (Hedw.) D. Mohr
Webera sinaitica Lorentz = ***Bryum turbinatum*** (Hedw.) Turner
Webera sphagnicola (Bruch & Schimp.) Schimp. = ***Pohlia sphagnicola*** (Bruch & Schimp.) Broth.
Webera strangulata Nees = ***Pohlia nutans*** (Hedw.) Lindb.
Webera subdenticulata (Brid.) Podp. = ***Pohlia nutans*** (Hedw.) Lindb.
Webera sudetica Giacom. *nom. illeg. incl. spec. prior.* = ***Pohlia ludwigii*** (Spreng. *ex* Schwägr.) Broth.
Webera tozeri (Grev.) Schimp. = ***Epipterygium tozeri*** (Grev.) Lindb.
Webera wahlenbergii (F. Weber & D. Mohr) Fűrnr. = ***Pohlia wahlenbergii*** (F. Weber & D. Mohr) A.L. Andrews
Webera zoddae G. Roth = ***Pohlia wahlenbergii*** var. ***calcarea*** (Warnst.) E.F. Warb.
Weissia acuta Hedw. = ***Blindia acuta*** (Hedw.) Bruch & Schimp.
Weissia affinis Hook. & Taylor = ***Microbryum starckeanum*** agg.
Weissia algeriana Müll. Hal. *nom. inval.* [107]
Weissia americana (P. Beauv.) Lindb. = ***Ulota hutchinsiae*** (Sm.) Hammar
Weissia apiculata Bruch = ***Weissia rutilans*** (Hedw.) Lindb.
Weissia atrovirens Nees & Hornsch. = ***Hymenoloma crispulum*** (Hedw.) Ochyra
Weissia brachycarpa var. *obliqua* (Nees & Hornsch.) M.O. Hill = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
Weissia bruchii (Hornsch. *ex* Brid.) Lindb. = ***Ulota bruchii*** Hornsch. *ex* Brid.
Weissia bruntoni (Sm.) De Not. = ***Cynodontium bruntoni*** (Sm.) Bruch & Schimp.
Weissia caespitosa Bruch *ex* Brid. = ***Pottiopsis caespitosa*** (Bruch *ex* Brid.) Blockeel & A.J.E. Sm.
Weissia calcarea (Nees & Hornsch.) Müll. Hal. *nom. illeg.* = ***Gymnostomum calcareum*** Nees & Hornsch.
Weissia calcarea Hedw. = ***Seligeria calcarea*** (Hedw.) Bruch & Schimp.
 \$ *Weissia calcarea* var. *mutica* = ***Gymnostomum calcareum*** Nees & Hornsch.
Weissia cirrata Hedw. = ***Dicranoweisia cirrata*** (Hedw.) Lindb.
Weissia coarctata (P. Beauv.) Lindb. = ***Ulota coarctata*** (P. Beauv.) Hammar
Weissia compacta Schwägr. = ***Hymenoloma compactum*** (Schleich. *ex* Schwägr.) Ochyra
Weissia controversa var. *amblyodon* (Brid.) Sendtn. = ***Weissia controversa*** Hedw.
 # *Weissia controversa* var. *arenicola* (Limpr.) Podp. = ***Weissia controversa*** Hedw.
Weissia controversa f. *gymnostoma* Cardot = ***Weissia controversa*** Hedw.
Weissia compacta Schleich. *ex* Schwägr. = ***Hymenoloma compactum*** (Schleich. *ex* Schwägr.) Ochyra
Weissia controversa var. *amblyodon* (Brid.) Sendtn. = ***Weissia controversa*** Hedw.

- *Weissia controversa* f. *gymnostoma* Cardot = ***Weissia controversa*** Hedw.
Weissia controversa var. *gymnostomoides* (Brid.) Hobk. = ***Weissia controversa*** var. *crispata* (Nees & Hornsch.) Nyholm
Weissia controversa var. *stenocarpa* Nees & Hornsch. = ***Weissia controversa*** Hedw.
Weissia controversa var. *wimmeriana* (Sendtn.) Blockeel & A.J.E. Sm. = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia crista (Hedw.) Mitt. = ***Weissia longifolia*** Mitt.
Weissia crispata (Nees & Hornsch.) Müll. Hal. *nom. illeg.* = ***Weissia controversa*** var. *crispata* (Nees & Hornsch.) Nyholm
Weissia crispula Hedw. = ***Hymenoloma crispulum*** (Hedw.) Ochyra
Weissia crispula (Bruch) Lindb. *nom. illeg.* = ***Ulota crista*** (Hedw.) Brid.
Weissia crispula var. *atrata* Nees & Hornsch. = ***Hymenoloma crispulum*** (Hedw.) Ochyra
Weissia crispula var. *nigrescens* Nees & Hornsch. = ***Hymenoloma crispulum*** (Hedw.) Ochyra
Weissia curvirostris (Hedw. ex Brid.) Müll. Hal. *hom. illeg.* = ***Hymenostylium recurvirostrum*** (Hedw.) Dixon
Weissia cylindrica Bruch. ex Brid. = ***Oxystegus tenuirostris*** (Hook. & Taylor) A.J.E. Sm.
Weissia dalmatica Latzel = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia denticulata Brid. *nom. illeg.* = ***Rhabdoweisia crispata*** (Dicks.) Lindb. it
Weissia drummondii (Hook. & Grev.) Lindb. = ***Ulota drummondii*** (Hook. & Grev.) Brid.
Weissia fallax Sehm. = ***Weissia controversa*** var. *crispata* (Nees & Hornsch.) Nyholm
Weissia fastigata Nees & Hornsch. = ***Blindia acuta*** (Hedw.) Bruch & Schimp.
Weissia fugax Hedw. = ***Rhabdoweisia fugax*** (Hedw.) Bruch & Schimp.
Weissia fugax var. *subdenticulata* Boulay = ***Rhabdoweisia crispata*** (Dicks.) Lindb.
Weissia fugax var. *subintegrifolia* Boulay = ***Rhabdoweisia fugax*** var. *subintegrifolia* (Boulay) E. Lawton [249]
Weissia ganderi Jur. = ***Weissia rutilans*** (Hedw.) Lindb.
Weissia graeca Schiffn. = ***Weissia controversa*** Hedw.
Weissia hedwigii H.A. Crum = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
Weissia intermedia (Schimp.) Tolf = ***Ulota crista*** (Hedw.) Brid.
Weissia latifolia Schwägr. = ***Stegonia latifolia*** (Schwägr.) Venturi ex Broth.
Weissia leptocarpa Schimp. ex Besch. *hom. illeg.* [105]
Weissia longifolia var. *angustifolia* (Baumgartner) Crundw. & Nyholm [158]
\$ *Weissia longifolia* var. *philibertii* = ***Weissia levieri*** Limpr.
Weissia martiana Hoppe & Hornsch. = ***Oreas martiana*** (Hoppe & Hornsch.) Brid.
Weissia microstoma (Hedw.) Müll. Hal. *nom. illeg.* = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
Weissia microstoma var. *brachycarpa* (Nees & Hornsch.) Müll. Hal. = ***Weissia brachycarpa*** (Nees & Hornsch.) Jur.
Weissia mielichhoferiana Funck = ***Mielichhoferia mielichhoferiana*** (Funck) Loeske
Weissia mucronata Bruch & Schimp. = ***Weissia rutilans*** (Hedw.) Lindb.
Weissia mucronata var. *ganderi* (Jur.) Boulay = ***Weissia rutilans*** (Hedw.) Lindb.
Weissia mucronata var. *subgymnostoma* (Limpr.) Dixon = ***Weissia rutilans*** var. *subgymnostoma* Limpr. [251]
Weissia muralis (Spruce) Lindb. = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia nigrita Hedw. = ***Catoscopium nigratum*** (Hedw.) Brid.
Weissia nuda (Dicks.) D. Mohr = ***Discelium nudum*** (Dicks.) Brid.
Weissia pallescens Schimp. ex Besch. = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia papillosissima Laz. = ***Weissia condensa*** var. *armata* (Thér. & Trab.) M.J. Cano, Ros & J. Guerra
Weissia phyllantha (Brid.) Lindb. = ***Ulota phyllantha*** Brid.
Weissia pusilla Hedw. = ***Seligeria pusilla*** (Hedw.) Bruch & Schimp.
Weissia recurvata (Hedw.) D. Mohr = ***Seligeria recurvata*** (Hedw.) Bruch & Schimp.
Weissia recurvirostris Hedw. = ***Bryoerythrophyllum recurvirostrum*** (Hedw.) P.C. Chen
Weissia recurvirostris (Hedw.) Dixon *nom. illeg.* = ***Hymenostylium recurvirostrum*** (Hedw.) Dixon

- Weissia reflexa* Brid. = ***Gyroweisia reflexa*** (Brid.) Schimp.
Weissia rohlfiana Müll. Hal. = ***Gymnostomum viridulum*** Brid. [218]
Weissia rupestris (Schleich. ex Schwägr.) Müll. Hal. *nom. illeg.* = ***Gymnostomum aeruginosum*** Sm.
Weissia rutilans subsp. *ganderi* (Jur.) Kindb. = ***Weissia rutilans*** (Hedw.) Lindb.
Weissia rutilans var. *subgymnostoma* Limpr. [251]
Weissia rutilans var. *hillieri* Meyl. [251]
Weissia starckeana Hedw. = ***Microbryum starckeanum*** (Hedw.) R.H. Zander
Weissia striata Hook. & Taylor *nom. illeg.* = ***Rhabdoweisia fugax*** (Hedw.) Bruch & Schimp.
Weissia templetonii (Sm.) Hook. = ***Entosthodon attenuatus*** (Dicks.) Bryhn.
Weissia tenuirostris Hook. & Taylor = ***Oxystegus tenuirostris*** (Hook. & Taylor) A.J.E. Sm.
Weissia tenuis (Hedw.) Müll. Hal. = ***Gyroweisia tenuis*** (Hedw.) Schimp.
Weissia torquescens Hornsch. ex Brid. = ***Oreoweisia torquescens*** (Hornsch. ex Brid.) Wijk & Margad.
Weissia tortilis (Schwägr.) Müll. Hal. *hom. illeg.* = ***Weissia condensa*** (Voit) Lindb.
Weissia tortilis var. *fallax* (Sehlm.) Mönk. = ***Weissia controversa*** var. ***crispata*** (Nees & Hornsch.) Nyholm
Weissia tristicha Brid. = ***Seligeria trifaria*** (Brid.) Lindb.
Weissia triumphans (De Not.) M.O. Hill = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Weissia triumphans var. *monspeliensis* (Schimp.) R.H. Zander = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Weissia triumphans var. *pallidisetum* (H. Müll.) Düll = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Weissia tyrrhena M. Fleisch. = ***Pottiopsis caespitosa*** (Bruch ex Brid.) Blockeel & A.J.E. Sm.
Weissia ulophylla Ehrh. ex Lindb. *nom. illeg.* = ***Ulota crispa*** (Hedw.) Brid.
Weissia verticillata Brid. *nom. nud.* = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
Weissia viridula Hedw. ex Brid. *nom. illeg. incl. spec. prior.* = ***Weissia controversa*** Hedw.
Weissia viridula var. *amblyodon* (Brid.) Bruch & Schimp. = ***Weissia controversa*** Hedw.
Weissia viridula var. *arenicola* Limpr. = ***Weissia controversa*** Hedw.
Weissia viridula var. *cylindrica* Schimp. *nom. inval.* = ***Weissia controversa*** Hedw.
Weissia viridula var. *densifolia* Bruch & Schimp. = ***Weissia controversa*** var. ***densifolia*** (Bruch & Schimp.) Wilson
Weissia viridula var. *gymnostomoides* (Brid.) Bruch & Schimp. = ***Weissia controversa*** var. ***crispata*** (Nees & Hornsch.) Nyholm
Weissia viridula var. *stenocarpa* (Nees & Hornsch.) Bruch & Schimp. = ***Weissia controversa*** Hedw.
Weissia viridula var. *subglobosa* Schimp. ex Limpr. = ***Weissia controversa*** Hedw.
Weissia welwitschii Schimp. = ***Eucladium verticillatum*** (With.) Bruch & Schimp.
Weissia wimmeri Sendtn. ex Lindb. *nom. illeg.* = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia wimmeriana var. *muralis* (Spruce) Breidl. = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia wimmeriana subsp. *pallescens* (Schimp. ex Besch.) Giacom. = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.
Weissia wimmeriana var. *pallescens* (Schimp. ex Besch.) Bott. = ***Weissia wimmeriana*** (Sendtn.) Bruch & Schimp.

Z

- Zieria demissa* (Hook.) Schimp. = ***Ptychostomum demissum*** (Hook.) Holyoak & N. Pedersen
Zieria julacea Schimp. *nom. illeg. incl. spec. prior.* = ***Ptychostomum zieri*** (Dicks. ex Hedw.) Holyoak & N. Pedersen
Zygodon baumgartneri Malta = ***Zygodon rupestris*** Schimp. ex Lorentz

- Zygodon bistratus* Calabrese & J. Muñoz = ***Zygodon catarinoides*** C. Garcia, F. Lara, Sérgio & Sim-Sim
- Zygodon brebissoni* Bruch & Schimp. = ***Zygodon conoideus*** (Dicks.) Hook. & Taylor
- Zygodon curvipes* Müll. Hal. = ***Amphidium tortuosum*** (Hornsch.) Cufod.
- Zygodon dimorphus* Thér. ex Jelenc *nom. nud.* [291]
- Zygodon lapponicus* (Hedw.) Bruch & Schimp. = ***Amphidium lapponicum*** (Hedw.) Schimp.
- Zygodon madeirensis* Dixon & Luisier = ***Zygodon forsteri*** (Dicks.) Mitt.
- Zygodon mougeotii* Bruch & Schimp. = ***Amphidium mougeotii*** (Bruch & Schimp.) Schimp.
- Zygodon nowellii* Schimp. *nom. illeg. incl. spec. prior.* = ***Zygodon gracilis*** Wilson
- Zygodon viridissimus* subsp. *baumgartneri* (Malta) Düll = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* subsp. *eu-viridissimus* Malta *nom. illeg.* = ***Zygodon viridissimus*** (Dicks.) Brid.
- Zygodon viridissimus* f. *mediterraneus* Malta = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* var. *mediterraneus* (Malta) Giacom. = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* var. *occidentalis* Malta = ***Zygodon viridissimus*** (Dicks.) Brid.
- # *Zygodon viridissimus* var. *orientalis* Mitt. = ***Zygodon viridissimus*** (Dicks.) Brid.
- Zygodon viridissimus* subsp. *rupestris* (Lindb. ex Hartm.) Kindb. = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* var. *rupestris* Lindb. ex Hartm. = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* var. *saxicola* Molendo = ***Zygodon gracilis*** Wilson
- Zygodon viridissimus* var. *stirtonii* (Schimp. ex Stirt.) I. Hagen = ***Zygodon stirtonii*** Schimp. ex Stirt.
- Zygodon viridissimus* subsp. *vulgaris* (Malta) Düll = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* var. *vulgaris* Malta *nom. illeg. incl. var. prior.* = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygodon viridissimus* var. *vulgaris* f. *mediterranea* Malta [208]
- Zygodon vulgaris* Nyholm = ***Zygodon rupestris*** Schimp. ex Lorentz
- # *Zygodon vulgaris* f. *mediterranea* Nyholm *nom. inval.* = ***Zygodon rupestris*** Schimp. ex Lorentz
- Zygotrichia cylindrica* Taylor = ***Didymodon insulanus*** (De Not.) M.O. Hill