

Mosses of the Mediterranean, an annotated checklist

Rosa M. ROS ^{a*}, Vicente MAZIMPAKA ^b
Usama ABOU-SALAMA ^c, Michele ALEFFI ^d, Thomas L. BLOCKEEL ^e,
Montserrat BRUGUÉS ^f, Rosa Maria CROS ^f, Maria Giovanna DIA ^g,
Gerard M. DIRKSE ^h, Isabel DRAPER ^b, Wagieh EL-SAADAWI ^c,
Adnan ERDAĞ ⁱ, Anna GANEVA ^j, Rosalina GABRIEL ^k,
Juan M. GONZÁLEZ-MANCEBO ^l, Camille GRANGER ^m,
Ilana HERNSTADT ⁿ, Vincent HUGONNOT ^o, Kamel KHALIL ^p,
Harald KÜRSCHNER ^q, Anna LOSADA-LIMA ^l, Leena LUÍS ^r,
Stefan MIFSUD ^s, Maria PRIVITERA ^t, Marta PUGLISI ^t,
Marko SABOVLJEVIĆ ^u, Cecilia SÉRGIO ^r, Haanaa M. SHABBARA ^c,
Manuela SIM-SIM ^r, André SOTIAUX ^v, Roberta TACCHI ^w,
André VANDERPOORTEN ^v, Olaf WERNER ^a

In Memoriam to A.J.E. SMITH

^aUniversidad de Murcia, Facultad de Biología, Departamento de Biología Vegetal,
Campus de Espinardo, 30100-Murcia, Spain. E-mail: rmros@um.es, werner@um.es

^bUniversidad Autónoma de Madrid, Facultad de Ciencias, Departamento
de Biología, Ctra. de Colmenar Viejo Km 15, 28049 Madrid, Spain.
E-mail: vicente.mazimpaka@uam.es, isabel.draper@uam.es

^cBotany Department, Faculty of Science, Ain Shams University, Abbasia, Cairo,
Egypt. E-mail: usamaabousalama@yahoo.com, hshabbara@yahoo.com,
wagelsaadawi@yahoo.com

^dScuola di Scienze Ambientali, Laboratorio di Briologia,
Università degli Studi di Camerino, Via Pontoni, 5 - 62032 Camerino (MC), Italy.
E-mail: michele.aleffi@unicam.it

^eAshfurlong Close, Dore, Sheffield S17 3NN, United Kingdom.
E-mail: tblockeel@aol.com

^fDepartament de Biologia Animal, Vegetal i Ecologia, Unitat de Botànica,
Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona, Spain.
E-mail: montserrat.brugues@uab.es, rosamaria.cros@uab.es

^gDipartimento di Biologia Ambientale e Biodiversità, Università degli Studi di
Palermo, Via Archirafi, 38, 90133 Palermo, Italy. E-mail: m.giovanna.dia@unipa.it

^hNatuurmuseum Nijmegen, Gerard Noodtstraat 121, NL-6155 ST Nijmegen,
The Netherlands. E-mail: gerard.dirkse@natuurmuseum.nl

ⁱAdnan Menderes University, Faculty of Arts & Sciences, Biology Department,
09010, Aydin, Turkey. E-mail: aerdag@adu.edu.tr

^jInstitute of Biodiversity and Ecosystem Research, 23 Acad. G. Bonchev Str.,
1113 Sofia, Bulgaria. E-mail: animoss@bio.bas.bg

* Corresponding author: rmros@um.es

^k*Departamento de Ciências Agrárias, Azorean Biodiversity Group- CITAA, Universidade dos Açores, P-9702 Angra do Heroísmo Codex, Açores, Portugal. E-mail: rgabriel@uac.pt*

^l*Universidad de La Laguna, Departamento de Biología Vegetal (Botánica), Calle Astrofísico Francisco Sánchez s/n, 38071-La Laguna, Tenerife, Canary Islands, Spain. E-mail: jglezm@ull.es, alosada@ull.es*

^m*24, rue Camille Roy, 69007 Lyon, France. E-mail: camille.granger@wanadoo.fr*

ⁿ*The Hebrew University of Jerusalem, Israel. E-mail: ilanahs@vms.huji.ac.il*

^o*Conservatoire botanique national du Massif central, le bourg, 43270 Chavaniac Lafayette, France. E-mail: vincent.hugonnot@cbrnmc.fr*

^p*Ecology and Forestry Department, Faculty of Agriculture, University of Aleppo, Aleppo, Syria. E-mail: kamel63@maktoob.com*

^q*Institut für Biologie der Freien Universität Berlin, Systematische Botanik und Pflanzegeographie, Altensteinstraße 6, D-14195 Berlin, Germany. E-mail: kuersch@zedat.fu-berlin.de*

^r*Universidade de Lisboa, Faculdade de Ciências de Lisboa, DBV/Centro de Biologia Ambiental, Campo Grande, 1749-016 Lisboa, Portugal; Museu Nacional de História Natural e da Ciência, Jardim Botânico, Rua da Escola Politécnica, 58, 1250-102 Lisboa, Portugal. E-mail: lmluis@fc.ul.pt, csergio@fc.ul.pt, msimsim@fc.ul.pt*

^s*123 Lampuka Str, Paola, Malta. E-mail: valerandi@gmail.com*

^t*Dipartimento di Scienze Biologiche, Geologiche e Ambientali, Università degli Studi di Catania, via A. Longo, 19, 95125 Catania, Italy. E-mail: mprivite@unict.it*

^u*Institute of Botany and Botanical Garden, Faculty of Biology, University of Belgrade, Takovska 43, 11000 Belgrade, Serbia. E-mail: marko@bio.bg.ac.rs*

^v*Université de Liège, Institut de Botanique, B22 Sart Tilman, B-4000 Liège1, Belgium. E-mail: andre.sotiaux@gmail.com, a.vanderpoorten@ulg.ac.be*

^w*Università di Camerino, Orto botanico "Carmela Cortini", Viale Oberdan, 62032 Camerino (MC), Italy. E-mail: roberta.tacchi@unicam.it*

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.

Mosses / distribution / nomenclature / checklist / Mediterranean

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 & Herrnsstadt, 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; Martinčič, 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., *Imbriobryum* 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.

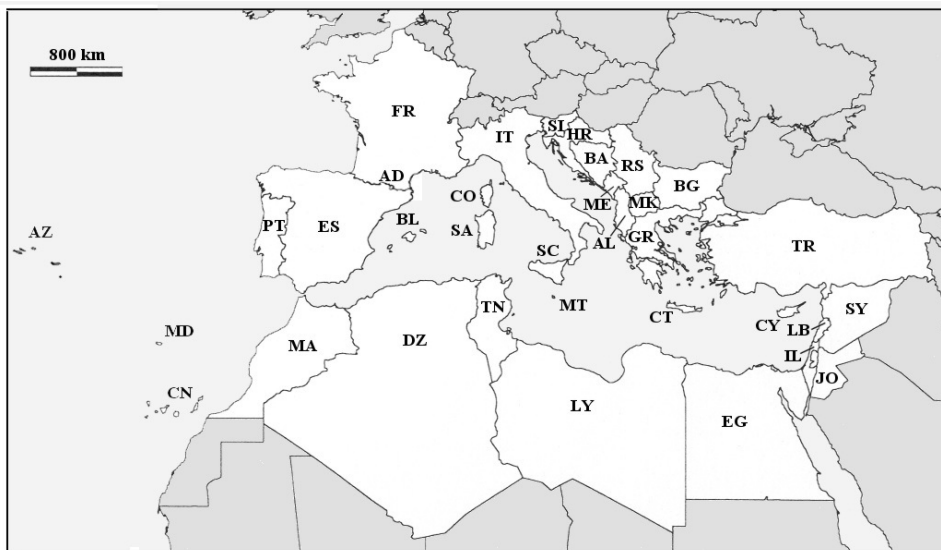


Fig. 1. Map of the study area indicating the abbreviation used the countries and islands for which a separate list is included in the checklist (cf. also Table 1).

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

List of accepted names

	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>Abietinella</i> Müll.Hal. (Thuidiaceae)																																				
<i>abietina</i> (Hedw.) M.Fleisch.	+	*			●	●							●	●				○							●	●*			●			●				○
var. <i>abietina</i>													●	●		●			●																○	
var. <i>hystricosa</i> (Mitt.) Sakurai													●	●				○																	●	
<i>Acaulon</i> Müll.Hal. (Pottiaceae)																																				
<i>casasianum</i> Brugués & H.A.Crum													●																							
<i>dertosense</i> Casas, Sérgio, Cros & Brugués													●																							
<i>fontiquerianum</i> Casas & Sérgio							●	●*					●	●														●*		●	●					
<i>longifolium</i> Herrnst. & Heyn [1]																		● [1]										●*		●	●					
<i>mediterraneum</i> Limpr.						●	●	●*	●				●	●		●	○		○				●		○		●		○	●					●*	
<i>muticum</i> (Hedw.) Müll.Hal.				○	●		●	+	●		●		●	●		●	○	●	●				●	●	○		○*	●		●	+	○			●	
<i>piligerum</i> (De Not.) Limpr.									[170]								○											○*		○						●
<i>triquetrum</i> (Spruce) Müll.Hal.					●*	●	●	●*	●		●		● [223]	●		●	○	●	●			○	●	●	●		○*	●*		○	●			○ [223]	●	
<i>Alleniella</i> S.Olsson, Enroth & D.Quandt (Neckeraceae) [2]																																				
<i>besseri</i> (Lobarz.) S.Olsson, Enroth & D.Quandt	●*	○		●	●	●*		●	●*				●	●		●	○		●					●	●			●		●	●				●	
<i>complanata</i> (Hedw.) S.Olsson, Enroth & D.Quandt	●	+	●*	●	●	●	●	●	○*		○		●	●		●	●	●	●				○	●	●	●		●	●	●	●	●		○	●	
<i>Aloina</i> Kindb. (Pottiaceae)																																				
<i>aloides</i> (Koch ex Schultz) Kindb.		●*	[118]	○		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	○	●	●	●	●	●	○	○*	●	●	
<i>ambigua</i> (Bruch & Schimp.) Limpr.		○	●	○	○	●	●	●	●	●	●	●	●	●		●	○	●	●	●	●	●	●	●	●		○	●	●	●	●	●	○*	●	●	
<i>bifrons</i> (De Not.) Delgad.												●	●					●		●	●*	○	●						○			○*	●	●		
<i>brevirostris</i> (Hook & Grev.) Kindb.						●					●*		●	○		●*			●	●			●			●*						○*	●*	●		
<i>humilis</i> M.T.Gallego, M.J.Cano & Ros						●																														
<i>obliquifolia</i> (Müll.Hal.) Broth.																													●							
<i>rigida</i> (Hedw.) Limpr.			●*	○	●	●	●		●*	●	●	●	●	●		●	○	●	●	●	●	○	●	●	●		●	●*	●	●	●	●	○*	●	●	
<i>Alophosia</i> Cardot (Polytrichaceae)																																				
<i>azorica</i> (Renauld & Cardot) Cardot			●																					○												
<i>Amblyodon</i> P.Beauv. (Meesiaceae)																																				
<i>dealbatus</i> (Hedw.) P.Beauv.					●*								●	●					●				●*			●					○				●	
<i>Amblystegium</i> Schimp. (Amblystegiaceae) [73]																																				
<i>serpens</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	
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			●				●																●													
Andreaea 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]			●				●	+					○	●					●				●	●	[413]										●	
<i>handelii</i> Schiffn.																		●																		●
Anomobryum Schimp. (Bryaceae)																																				
<i>bavaricum</i> (Warnst. in Hamm.) Holyoak & Köckinger [3]														(○)					○																	
<i>concinnum</i> (Spruce) Lindb.				○									●	●					●													●			●	
<i>julaceum</i> (Schr. 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>Antitrichia</i> Brid. (Leucodontaceae)																																			
<i>californica</i> Sull.						●	●	●	●	●	●		●	●		●		●	○	●	○*		●	●		○		●		●	○*		●*		●
<i>curtipendula</i> (Hedw.) Brid.		○		●	●	●	●	●	●*		○*		●	●		●	●		●				●	●	●	●		●	●	●	●	●			●
<i>Aongstroemia</i> Bruch & Schimp. (Dicranaceae)																																			
<i>longipes</i> (Sommerf.) Bruch & Schimp.														●					●																
<i>Archidium</i> Brid. (Archidiaceae)																																			
<i>alternifolium</i> (Hedw.) Mitt.			●	○		●	●	●	●*		●	●*	●	● [244]		●	○		●				●	●*	○			●		●	● [244]	○		●	●
<i>Arctoa</i> Bruch & Schimp. (Rhabdoweisiaceae)																																			
<i>fulvella</i> (Dicks.) Bruch & Schimp.	○*												●	○					●																
<i>hyperborea</i> (Gunnerus <i>ex</i> Dicks.) Bruch & Schimp., <i>nom. cons.</i>														(○)																					
<i>Aschisma</i> Lindb. (Pottiaceae)																																			
<i>carniolicum</i> (F.Weber & D.Mohr) Lindb.						●*		●		●*	○		●	●			○	●	●			●					●			●	●	○			+
<i>cuynetii</i> (Bizot & R.B.Pierrot) J.Guerra & M.J.Cano													●														[322]								
<i>Atrichum</i> P.Beauv. (Polytrichaceae)																																			
<i>androgynum</i> (Müll.Hal.) A.Jaeger [4]			●*	[4]																			●	[4]			●	[4]							
<i>angustatum</i> (Brid.) Bruch & Schimp.			●	○	●		●	○*					●	●		●	●		●				●	○	○		●	●		●*	●			●	
<i>crispum</i> (James) Sull.														(●)																					
<i>flavisetum</i> Mitt.				○	●								●*	○			○		●													●			
<i>tenellum</i> (Röhl.) Bruch & Schimp.			●*	○	●									●			○		●					○	○			●				●		○*	
<i>undulatum</i> (Hedw.) P.Beauv.	●*	●*	●	●	●		●	●			○		●	●		●	●		●				●	●	○		●	●	●	●	●		○	●	
<i>Aulacomnium</i> Schwägr. (Aulacomniaceae)																																			
<i>androgynum</i> (Hedw.) Schwägr.				○	○		●	●		○*	○		●	●		●	○		●				○*			●*		●	●		●				●
<i>palustre</i> (Hedw.) Schwägr.	●	●*	●	○	●			●			○ [183]		●	●		●	○		●		○*	●		●	●	●	●	●	●	●	●	○*	●	●	●
<i>turgidum</i> (Wahlenb.) Schwägr.																									(●)										
<i>Barbula</i> Hedw. (Pottiaceae) [5]												[209]												[5]							[332]				
<i>amplexifolia</i> (Mitt.) A.Jaeger														●*																					
<i>arcuata</i> Griff [6]												(●)* [6]																							
<i>bicolor</i> (Bruch & Schimp.) Lindb.														○					●												○				
<i>bolleana</i> (Müll.Hal.) Broth.						●			●	●	● [184]	●	●	●		●	○	●	●	●	○	○	● [184]				○*	●		●*	●		○*	○	●
<i>consanguinea</i> (Thwaites & Mitt.) A.Jaeger [74]																	○*		●																
<i>convoluta</i> Hedw.			●		●	●	●	●	●	●	●	●	●	●		●		●				○	●	●			(●) [315]	●			●		○*	○	
var. <i>convoluta</i>		○		●					●				●	●		●	●		●		●				●	○		●	●	●	●	●		●	
var. <i>sardoa</i> Schimp.						●			●			●*	●	●		●	○		●		○*		○				●		●	●	●	○			●
<i>crocea</i> (Brid.) F.Weber & D.Mohr				○	●						○		●	●		●	○		●					●					●			●			

	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]												● [218]							[74]																
<i>unguiculata</i> Hedw.	●*	○	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	○	●	●	●	○	●	●	●	●	●	○*	●	●	
Bartramia Hedw. (Bartramiaceae)												[209]																							
<i>brevisetia</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 Fürnr. (Seligeriaceae)																																			
<i>trichodes</i> (F.Weber) Milde				○	●								●	●			●*		●									○*			○				
Brachymerium Schwäger. (Bryaceae)							[185]					[210]												[185]											
<i>commutatum</i> (Müll.Hal.) A.Jaeger											● [185]		[226]										○ [185]											○*	
<i>exile</i> (Dozy & Molk.) Bosch. & Sande Lac. [7]										○*	●							(●)			○*														
<i>notarisii</i> (Mitt.) A.J.Shaw			●				●																	●											
<i>paradoxum</i> (Herzog) A.J.Shaw																[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	○*							●*					● [227]	○		●			●				●*							●*	○			●	
<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		○	●	●	●	●	●	●	●	●	●	○*	●	●		● [423]	●	●					●	●	●	●	●*	●	●		●	●	+	●	
var. <i>velutinum</i>	●												●	●		●			●		●		●							●	●			●	
var. <i>salicinum</i> (Schimp.) Ochyra & Żarnowiec	●*			○							●	●*	●	●		●			●		●		●			○		(○)		●			○*	●	
Brachythecium Schimp. (Brachytheciaceae) [8]																								[297]									[8]		
<i>albicans</i> (Hedw.) Schimp.		○	●	○	●	(○)*		●	●		○		●	● [292]		●	○		●				○* [394]	●	○	●		●	●	●	●	●			●

	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>campestre</i> (Müll.Hal.) Schimp.				○	●						○*		●	●		●*	○		●							●*		●		●*	●	●	SY	TN	●		
<i>capillaceum</i> (F.Weber & D.Mohr) Giacom.				○										●					○													(○)					
<i>cirrosum</i> (Schwägr.) Schimp.	●*			○									●	●			○		●						●	●					○*	●					
<i>erythrorrhizon</i> Schimp.														●*											●							●			●		
subsp. <i>erythrorrhizon</i>																			●																		
<i>geheebii</i> Milde				●	●									●		●*	○		●						●	●			●				●			●*	
<i>glareosum</i> (Bruch ex Spruce) Schimp.	●			●	●	●		●*	●				●	●		●	●		●				○		●	●*		●	●	●	●	●				●	
<i>laetum</i> (Brid.) Schimp.				○										●					●				○*					○				●				●	
<i>mildeanum</i> (Schimp.) Schimp. [9]	●*		●	○	●								●	●		●	○	●	●						●			●	●			●				●	
var. <i>udum</i> (I.Hagen) Mönk.														●					●						●			●	●			●				●	
<i>rivulare</i> Schimp.	●	●	●	●	●	●	●*	●		●	○*	●	●	●		●	●		●		○		●	●	●	●		●	●	●	●	●	●			●	
<i>rutabulum</i> (Hedw.) Schimp.		●	●	●		●	●	●	●		○		●	●		●	●	●	●		○*		●	●	●	●	●	●	●	●	●	●	●	○			●
var. <i>rutabulum</i>					●																										●						
var. <i>atlanticum</i> Hedenäs			●																					●													
<i>salebrosum</i> (Hoffm. ex F.Weber & D.Mohr) Schimp.		●	●	●	●	●	+*	●			○		●	[292]		●	○		●		○	○*	●		●	●		●	●	●	●	●	●				●
<i>tommasinii</i> (Sendtn. ex Boulay) Ignatov & Huttunen				○	●			●					●	●		●*	●		●						●			●	●*	○	●						
<i>turgidum</i> (Hartm.) Kindb.													●	●					●																		
<i>umbilicatum</i> Jur. & Milde												○*																								○*	
<i>Braunia</i> Bruch & Schimp. (Hedwigiaceae)																																					
<i>alopecura</i> (Brid.) Limpr.														○					●																		
<i>imberbis</i> (Sm.) N.Dalton & D.G. Long [402]													●	●					○																		
<i>Breidleria</i> Loeske (Hypnaceae)																																					
<i>pratensis</i> (W.D.J.Koch ex Spruce) Loeske					○									●					●					○				●				●					
<i>Breutelia</i> (Bruch & Schimp.) Schimp. (Bartramiaceae)																																					
<i>azorica</i> (Mitt.) Cardot			●																																		
<i>chrysocoma</i> (Hedw.) Lindb.								●					●	●																							
<i>Bruchia</i> Schwägr. (Bruchiaceae)																																					
<i>flexuosa</i> (Schwägr.) Müll.Hal.																	●		○*													○					
<i>vogesiaca</i> Nestl. ex Schwägr.													●	●														●									
<i>Bryoerythrophyllum</i> P.C.Chen (Pottiaceae)																																					
<i>alpigenum</i> (Venturi) P.C.Chen														○					●													○					
<i>campylocarpum</i> (Müll.Hal.) H.A.Crum																								●				●									
<i>ferruginascens</i> (Stirt.) Giacom.													●	●					●*																	(●)*	
<i>inaequalifolium</i> (Taylor) R.H.Zander			●				●						●												●												
<i>recurvirostrum</i> (Hedw.) P.C.Chen	●*	○		●	●	●	+*	●*	●	●	●		●	●		●	●		●				●	●*	●	●		●	●	●	●	●		○*		●	
<i>rubrum</i> (Jur. ex Geh.) P.C.Chen														●					●													○					

	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>madeirense</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.	●*	○	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	○	●	●	●	●	● [316]	●	●	●	●	●	○	●	●	
<i>blindii</i> Bruch & Schimp.														●					●					●		● [316]					[335]					
<i>calophyllum</i> R.Br.														(○)																○						
<i>canariense</i> Brid.		○	●	○*	○	●	●	○*	●		●		●	●		●	●	●	●			○*	●	●	●	○		●		●	●	○		○	●	
<i>cellulare</i> Hook.							●		●			●*				●		●	○*		○			+		○				○					+	*
<i>demaretianum</i> Arts														●*																						
<i>dichotomum</i> Hedw.	●*	●*	(●)	●	●	●	●	●	●	●	● [186]	●	●	●		●	○	●	●	●	●	○	●	●	●	○	●	●	●	●	●	○	○ [349]	● [186]	●	
<i>dyffrynense</i> Holyoak														●*																						
<i>elegans</i> Nees	●*	○		●	●			●	●*	●*	●	●	●	●		●	○		●	●			●		●	●	●	●	●	●*	●	●			●	
<i>funkii</i> Schwägr.				○	●*		●		●*	●*		●	●	●		●	○		●	●*			○*	+	●				○		●	●	○*	●	○	
<i>gemmiferum</i> R.Wilczek & Demaret						●*	●						●	●													●	●								
<i>gemmilucens</i> R.Wilczek & Demaret						●*	●	●*			●*		●	●		●*		●*					●				●				●				●	
<i>gemmiparum</i> De Not.		○	●	○	○	●	●	●	●	●*	● [187]	●	●	●		●	●	●	●				●	●	●	○	●*	●	○	●	●				●	
<i>intermedium</i> (Brid.) Blandow					○				○*				●	● [245]		○*		●	● [245]				○*		●	●*	(○)*		●	●	●	○			●	
<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.		○	●	○	●	●	●	●	●	●	●	●	●	● [245]		● [245]	○	●	●	●*	●	○	●	●	●	● [316]	●	●	●	● [245]	●				●	
<i>riparium</i> I.Hagen																																			●*	
<i>ruderales</i> Crundw. & Nyholm			●				●		●*			+* [214]	●	●		●	○	●	●					●*				●	●	●	●				●*	
<i>sauteri</i> Bruch & Schimp.			●				●					●*	●	●					●					●*	●		●*									
<i>schleicheri</i> DC.	●	○		○	●				(○) *		● [188]	○*	●	●		●			●		○*		●		●	●		[388]	●	●*	●*	○			●	
<i>subapiculatum</i> Hampe			●		●		●	●				● [216]	●	●		●		●	●*		+	*		●				●*	●		●*				●	
<i>tenuisetum</i> Limpr.			●*				●						●	●													●*			●						
<i>turbinatum</i> (Hedw.) Turner				●	●				●*		● [188]	●	●	●		●	○		●	●	○ [188]		●		●	○			●	●	●	○	○		●	
<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
<i>Calymperes</i> Sw. ex F.Weber (Calymperaceae)																																			
<i>erosum</i> Müll.Hal.																																●			
<i>Callicladium</i> H.A.Crum (Hypnaceae)																																			
<i>haldanianum</i> (Grev.) H.A.Crum					●								[229]	○			○		●						○	●			●			●			
<i>Calliergon</i> (Sull.) Kindb. (Calliergonaceae)																																			
<i>cordifolium</i> (Hedw.) Kindb.				○	●								●	●			○		●						●*	●			●			●			●
<i>giganteum</i> (Schimp.) Kindb.				●	●								●	●			(○)*	○	●						●			○			●				
<i>megalophyllum</i> Mikut.														(○)																					
<i>richardsonii</i> (Mitt.) Kindb.					[160]									●					●													○			
<i>Calliergonella</i> Loeske (Hypnaceae)																																			
<i>cuspidata</i> (Hedw.) Loeske	●	○	●	●	●	●*	+	●	●	○*	○		●	●		●	●		●		○		○	●	●	●	○*	●	●	●	●	●	○*	○*	●
<i>lindbergii</i> (Mitt.) Hedenäs	●				●								●	●		○*	●*		●						●			●			●			●	
<i>Campyliadelphus</i> (Kindb.) R.S.Chopra (Amblystegiaceae)																																			
<i>chrysophyllus</i> (Brid.) R.S.Chopra	●	○		●	●	●*		●					●	●		●	●		●				●*		●	●		○*	●	●		●			●
<i>elodes</i> (Lindb.) Kanda		●*		●	●*			+	*	(○)*			●*	●			○		●						●	●*			●			●			●*
<i>Campylidium</i> (Kindb.) Ochyra (Amblystegiaceae) [405]																																			
<i>calcareum</i> (Crundw. & Nyholm) Ochyra				○	●			●					●	●		●	○		●						●	●			●			●			●
<i>sommerfeltii</i> (Myrin) Ochyra		○		●	●												○		●						●	●			●			●			●
<i>Campylium</i> (Sull.) Mitt. (Amblystegiaceae)																																			
<i>longicuspis</i> (Lindb. & Arnell) Hedenäs																										●									
<i>protensum</i> (Brid.) Kindb.	●	○		●	●			●					●	●		●	○		●						●	●*			●			●			●
<i>stellatum</i> (Hedw.) Lange & C.E.O.Jensen	●			●	●			●					●	●		●	○		●				○*		●	●*		●*	●	○*		●			●
<i>Campylophyllum</i> (Schimp.) M.Fleisch. (Hypnaceae) [405]																																			
<i>halleri</i> (Hedw.) M.Fleisch.				●	●								●	●		●	○		●						●	●			●			●			
<i>Campylopus</i> Brid. (Leucobryaceae)																																			
<i>atrovirens</i> De Not.	●		● [120]										●	●					●						●			(○)		●					●
<i>brevipilus</i> Bruch & Schimp.			●			●		●			●		●	●					●					●*			●		●		●*			○*	
<i>cygneus</i> (Hedw.) Brid.			●																					●*											
<i>flaccidus</i> Renauld & Cardot			●																					●*											
<i>flexuosus</i> (Hedw.) Brid.			●	○				●			○*		●	●			○		●					●	○			●				[338]	●		●*
<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.			● [120]			●*	●	●					●	●		●*			●				○*	●				●		●	●			+	●
<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. ex 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. ex 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 ex Brid.) Arn.		○		●	●	●			●*			●*	●	●		●	○	● [267]	●		○*		○		●	●		●	●	●	●	●			●
<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	
<i>Cleistocarpidium</i> Ochyra & Bednarek-Ochyra (Ditrichaceae)																																				
<i>palustre</i> (Bruch & Schimp.) Ochyra & Bednarek-Ochyra													(○)* [422]	●			○															●				
<i>Climacium</i> F.Weber & D.Mohr (Climaciaceae)																																				
<i>dendroides</i> (Hedw.) F.Weber & D.Mohr	●	●*		●	●			●*					●	●		●	○		●						●	●		●	●			●			●	
<i>Cnestrum</i> I.Hagen (Dicranaceae)																																				
<i>alpestre</i> (Wahlenb. ex Huebener) Nyholm ex Mogensen														○					○																	
<i>schisti</i> (F.Weber & D.Mohr) I.Hagen																			○													○				
<i>Conardia</i> H.Rob. (Amblystegiaceae)																																				
<i>compacta</i> (Drumm. ex Müll.Hal.) H.Rob.								+	*				●	●		●			●				○*					●				○				
<i>Conostomum</i> Sw. ex F.Weber & D.Mohr (Bartramiaceae)																																				
<i>tetragonum</i> (Hedw.) Lindb.													●	●					●																	
<i>Coscinodon</i> Spreng. (Grimmiaceae)																																				
<i>cribrosus</i> (Hedw.) Spruce	●*	○		○	●		●	●		●	○*		●	●		●*			●				○*			●		●	●	○	●	●			●	
<i>humilis</i> Milde																			●																	
<i>Cratoneuron</i> (Sull.) Spruce (Amblystegiaceae)																																				
<i>curvicaule</i> (Jur.) G.Roth								+	*				(○)*	●		●*			●													○*				
<i>filicinum</i> (Hedw.) Spruce	●	○		●	●	●	●	●	●	●	●		●	●		●	●	●	●		○*		●	●	●	●		●	●	●	●	●	●	●	●	
<i>Crossidium</i> 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]		○		○		●	●	●	●	●	● [189]	●	●	● [189]		●	○					○	●	●	●	●		●	●		●	○		●		
var. <i>squamiferum</i>					●								●	●		●		●	●	●	○									●	●		○		●	
var. <i>pottioideum</i> (De Not.) Mönk.				○							●	●*	●	●		○*		●	●	●	○	○	○										●	○	●	
<i>Cryphaea</i> (Cryphaeaceae)																																				
<i>heteromalla</i> (Hedw.) D.Mohr			(●)		●*	●	●*	+	*		●		●	●		●	●		●				●	(+) [300]	○			●		●*	●	○		●*	●	
<i>Ctenidium</i> (Schimp.) Mitt. (Hylocomiaceae)																																				
<i>molluscum</i> (Hedw.) Mitt.	●	○	●	●	●	●	+	*	●	●	●		●	●		●	●		●				●	● [300]	●	●		●	●	●	●	●			●	
<i>Cyclodictyon</i> 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														●		(○)*			○												[336]					
<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.														●					●												[337]	○				
<i>grevilleana</i> (Brid.) Schimp.													●	●					●							●		●								
<i>heteromalla</i> (Hedw.) Schimp.	●*	○	●	●	●		●	●	●*		●		●	●		●	○	●	●		●		●	●	●	○		●	●	●*	●	●	●		●	●
<i>howei</i> Renauld & 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>varia</i> (Hedw.) Schimp.		○		●	●	(●)	●	●	●	●	●		●	●		●	●	[268]	●		●	●	●	●		●	●	●	●	●	●	●	(●) [350]	○	●	
<i>Dicranodontium</i> Bruch & Schimp. (Leucobryaceae)																																				
<i>asperulum</i> (Mitt.) Broth.													●*	○					●																	
<i>denudatum</i> (Brid.) E.Britton	●			○	●								●	●					●		●*				●	○			●	○		●			●	
<i>uncinatum</i> (Harv.) A.Jaeger	[115]												●	○					●													○				
<i>Dicranoweisia</i> Milde (Rhabdoweisiaceae) [18] [19]									[19]																											
<i>cirrata</i> (Hedw.) Lindb.		○	● [123]	○	●*		●	●	●	●	●		●	●		●	○		●				●	●			●	○	●	●	○		○*	●		
<i>Dicranum</i> Hedw. (Dicranaceae)																																				
<i>acutifolium</i> (Lindb. & Arnell) C.E.O.Jensen														●																						
<i>angustum</i> Lindb.														(●)																						
<i>bonjeanii</i> De Not.	●		●	○	●			●*					●	●		●*	○		●						●	●*			○		[338]	●			●	
<i>brevifolium</i> (Lindb.) Lindb.				○	○								●	●					○													○				
<i>canariense</i> Hampe ex Müll.Hal.							●							(○)									●													
<i>crassifolium</i> Sérgio, Ochyra & Séneca													●						●								●									
<i>elongatum</i> Schleich. ex Schwägr.					●									●					●							○						●				
<i>flagellare</i> Hedw.			●	○			+	*					●	●				○		●				●	●			●			●					
<i>flexicaule</i> Brid.				○	○								(○)	●				○		●						○								●*		
<i>fragilifolium</i> Lindb.														(○)					○															●*		
<i>fulvum</i> Hook.				○	○									●				○		●						○						●		○*		
<i>fuscescens</i> Sm.	●			○	●			●*					●	● [293]		●	○		●					●	●	○		(○)	○			●			●	
<i>groenlandicum</i> Brid.														(○)					○*																	
<i>leioneuron</i> Kindb.													●	(○)					●												○			+	*	
<i>majus</i> Sm.		○	●	○									●	●					●					○				●	●		●			●		
<i>montanum</i> Hedw.				○	●			●*					●	●			○		●					●				●			●			●		
<i>muehlenbeckii</i> Bruch & Schimp.				●	●								●	●					●					●			●			●				+	*	
<i>polysetum</i> Sw. ex anon.	●*	○		○	●								●	●		(○)*	○		●					●	○		●	●*		●				●		
<i>scoparium</i> Hedw.	●	○	●	●	●	●	●	●			○		●	●		●	●		●				●	●	●		●	●	●	●	●		○*	●		
<i>scottianum</i> Turner ex R.Scott			●										●	●									●									(○)				
<i>spadiceum</i> J.E.Zetterst.					●			●*					●	●					●					●*				○				○			+	*
<i>spurium</i> Hedw.				○									●	●		(○)*			●					●								●				
<i>tauricum</i> Sapjegin	●			○	●			●			●		●	●		●	○		●					●	○		●	●			○				●	
<i>undulatum</i> Schrad. ex Brid.				○	○								●	●			○		●								○					●				
<i>viride</i> (Sull. & Lesq.) Lindb.				○	●									●			○		●					○				+			●			●*		
<i>Didymodon</i> Hedw. (Pottiaceae)													[232]																							
<i>acutus</i> (Brid.) K.Saito		○	●	○	●	●	●	●	●	●	● [190]	●	●	● [190]		●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	○*	●	●	
<i>asperifolius</i> (Mitt.) H.A.Crum, Steere & L.E.Anderson													●	○					○												(○)			●*		
<i>australasiae</i> (Hook. & Grev.) R.H.Zander [20]							●			●*	●	●	● [20]	● [20]		● [20]			●*	● [20]	●*		●	●*			●*			●			●*	●	●	
<i>bistratosus</i> Hébr. & R.B.Pierrot													●														●							(●)*	●*	
<i>brachyphyllus</i> (Sull.) R.H.Zander													●	●																						
<i>cordatus</i> Jur.	●*			●	●				[173]				●	●		●	○		●		●*				○			●		●	○	●*			●	
<i>eckeliae</i> R.H.Zander													●																							
<i>erosus</i> J.A.Jiménez & J.Guerra													●															●*								

[illegible]

	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>sendtneri</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> (Spreng.) Brugués			[125]		●	●	●	●	●	●	●	●	●	●		●		●	●	○*			●	●			○	●	○	●	●			○*	●	
<i>duriaei</i> Mont. [407]					●	○*	●*	●	●	●	●	●	●	●		●		●	●	●		○	○				●			●						
<i>fascicularis</i> (Hedw.) Müll.Hal.			(●)*	○	●		●*	○*			○	●	●	●		●	○	●	●	●*	●*		○	●		○	○*	●	●	●	●	●			●	
<i>handeli</i> (Schiffn.) Laz. [26]												●*							●															○*		
<i>hungaricus</i> (Boros) Loeske [27]							●*				○*		●			●		●				●				●*		●		●						
<i>kroonkurk</i> Dirkse & Brugués [28]							● [28]						●*																							
<i>mouretii</i> (Corb.) Jelenc													●	●*		●*							●					●							●*	

[illegible]

	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>Fabronia</i> Raddi (Fabroniaceae) [33]											[33]																									
<i>ciliaris</i> (Brid.) Brid.					○								●	(○)				●	●	●				(+) [304]						●		(○)		○*	●	
<i>gueinzii</i> Hampe [34]																							○ [34]													
<i>pusilla</i> Raddi					●	●	●	●	●*	●	●		●	●		●	○	●	●	●*		●*	●	●	●	○		●		●	●	(○)		●	●	
<i>Fissidens</i> Hedw. (Fissidentaceae) [35][36]														[35]										[305]							[339]					
<i>adanthoides</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.		○	●	●	●	●	●		●		●	●	●	●		●	○	●		●	●*		○	● [306]	●	●	●*	●	●		●	●		○	●	
var. <i>bryoides</i>								●					●	●		●			●											●	●					
var. <i>caespitans</i> Schimp.								●*			●		●	●					●				○	○*			●			●				●		
<i>coacervatus</i> Brugg.-Nann.			●				●																	●												
<i>celticus</i> Paton																															●					
<i>crassipes</i> Wilson ex Bruch & Schimp.			(●) [127]	○			●	●	●		●	(○)	●	●		●	○						●	●	○			●	●		●	●		●		
subsp. <i>crassipes</i>			(●)		●	(●)*			+				●	●		●		●	●	●*	○*									●					●	
subsp. <i>warnstorffii</i> (M.Fleisch.) Brugg.-Nann.			(●)		●	●	●		●		●	●	●	●		●		●	●		○	○	●	●			●			●				●		
<i>crispus</i> Mont.			●	○	●*	●*	●	●*	●	●	●	●	●	●		●	○	●	●			○	●	●	○		●	●	○	●	●	●			●	
<i>curvatus</i> Hornsch.			○*				●	●*	●		○		●	●		●	○		○				●	●	○		●		●				○*	+		
<i>dubius</i> P.Beauv.	●*	●	●	●	●	●	●	●	●	●	●		●	●		●	●		●				●	●	●	●		●	●	●	●	●			+	
<i>exiguus</i> Sull.									●*										●																[376]	
<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]			●				●	●			○		●	●		●	○		●				●	● [306]	○		●	●	●*	●*	○		●	●		
<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	
subsp. <i>taxifolius</i>							●		+*				●	●		●			●									●		●	●	●				●
subsp. <i>pallidicaulis</i> (Mitt.) Mönk.			●				●		●		●		●	●		●	○		●					○	○			○	○	●	+				+*	
<i>viridulus</i> (Sw. ex anon.) Wahlenb.			●	○		●	●		●	●	●		●	●		●	○	●					●	[305]	○				●		●	●			●	
var. <i>viridulus</i>			●				●	●	●	●*	●	●	●	●		●	○	●	●	●	●	○*					●	[324]		●	●			○*		●
var. <i>incurvus</i> (Starke ex Röhl.) Waldh.			●	○	●	●	●	●	●	●	●		●	●		●		●	●		●	○	●	●	○		●	●	●	●	[339]	○	+*	○	●	
<i>Fontinalis</i> Hedw. (Fontinalaceae)																															[336]					
<i>antipyretica</i> (Hedw.)	●	○	●	○		●		●	●		●		●	●		●	○						●	●	●	●		●	●		●	●		○		
subsp. <i>antipyretica</i>					●		+*		●		●		●	●		●			●											●	●				●	
subsp. <i>gracilis</i> (Lindb.) Schimp.					○								○	●		●			●								●		○		●				●	
subsp. <i>kindbergii</i> (Renauld & Cardot) Cardot														○					●																	
<i>dalecarlica</i> Schimp.													(●)*						○																	
<i>hypnoides</i> C.Hartm.				○		[152]			●			●*	●	●		●	○								○	○		●					●	○*		
var. <i>hypnoides</i>					●								(●)	●					●											●						
var. <i>duriaei</i> (Schimp.) Kindb. [407]					●	[152]		●	●		●		●	●		●			●				●				●			●	●			○*	●	
<i>squamosa</i> Hedw.	●			○		[152]		●			+*		●	●		(●)			●				○*				●			●	○	(○)				
var. <i>squamosa</i>														●																						
var. <i>dixonii</i> (Cardot) A.J.E.Sm.																											●									
var. <i>curnowii</i> Cardot														○																						
<i>Funaria</i> Hedw. (Funariaceae) [37] [38]												[37] [38]				[38]																				
<i>altissima</i> Dixon [39]											○* [39]																									
<i>anomala</i> Jur. [40]										○ [40]		○* [40]																					○* [40]		○ [40]	
<i>hygrometrica</i> Hedw.	●*	●	●	●	●	[153]	●	●	●	●	[153]	●	●	●		●	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	○	○	●	
<i>microstoma</i> Bruch ex Schimp.											●	●	[234]	○					●		●*		○*		○			○		○					+*	
<i>Funariella</i> Sérgio (Funariaceae)																																				
<i>curviseta</i> (Schwägr.) Sérgio						●	●	●	●	●	●		●	●		●	○	●	●		●	○*	○ [283]	[307]	○		●	●	○	●	●			○*	+*	
<i>Gigaspermum</i> Lindb. (Gigaspermaceae)																																				
<i>mouretii</i> Corb.						●	●		●*	●			●					●					●								●		●*		●*	
<i>Glyphomitrium</i> Brid. (Rhabdoweisiaceae)																																				
<i>daviesii</i> (Dicks.) Brid.			○																					○												
<i>Goniomitrium</i> Hook.f. & Wilson (Funariaceae)																																				
<i>seroi</i> Casas							●						●																							
<i>Grimmia</i> Hedw. (Grimmiaceae) [41]																																				
<i>alpestris</i> (F.Weber & D.Mohr) Schleich.	●	○			●			●		(●) [179]			●	●		●			●				●		●	●		(○)* [391]	●	●	●*				●	
<i>anodon</i> Bruch & Schimp. [415]					●		●	●*	●		●	●	●	●		●		●	●	●	○		●		●	●	●		●	●	●*	○	+*	(●)	●	
<i>anomala</i> Hampe ex 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>arenaria</i> Hampe	●												●*	●					●					●											●	
<i>atrata</i> Miel. ex Hornsch.	●				●								●	●					●																	
<i>caespiticia</i> (Brid.) Jur.	●				●			●					●	●		●*			●						●	●*		●*	●	●				○*		●
<i>capillata</i> De Not.						●*					●		●	●				●	●	●			●							●	●		○*	●	●	
<i>crinita</i> Brid.		○			●	●	●				[195]	●	●	●				●	●	●			○*						○	●	●	○	○	[353]	○	
<i>crinitoleucophaea</i> Cardot [416]	●*												●	●		●*																			●*	
<i>curviseta</i> Bouman [163]						[163]																														
<i>decipiens</i> (Schultz) Lindb.	●				●		●	●		(●) [180]	●		●	●		●	○		●				●*	●	●	○		●	●	●	●			○*	●	
<i>dissimulata</i> E.Maier						●			●	●			●	●		●	●*		●				+		●		●*	●	●	●			●*		●	
<i>donniana</i> Sm. [9]					●		(○) [164]						(●)	●			○		●					●		●*	●	●	●	●	○				●	
<i>elator</i> Bruch ex Bals.-Criv. & De Not.	●*			○	●			●*		+			●	●					●									●	●	●	○			●		
<i>elongata</i> Kaulf.	●*		○*		+								●	●					●						●			○		●				●		
<i>funalis</i> (Schwägr.) Bruch & Schimp.	●				●		●	●	●*		○		●	●					●					●	●	●		(○)*	●	●				●		
<i>fuscolutea</i> Hook.					●									○				●						●	●						●*			●		
<i>hartmanii</i> Schimp.		○	●*	○	●			●		●	○*		●	●		●	●*		●				○		○	●			●	●	●	●			●	
<i>horrida</i> Muñoz & H.Hespanhol [42]													●*															●	●	●	●					
<i>incurva</i> Schwägr.			(○) [130]		●								●	●					●								●									
<i>laevigata</i> (Brid.) Brid.	●	○	(○)	●	●	●*	●	●	●	●	●	○*	●	●		●	○	●	●	●	○*		●	●	●	●		●	●	●	●	●	○*	○	●	
<i>lisae</i> De Not.			● [131]		●*	●	● [131]	●	●	●	●		●	● [246]		●			●		○	○	●	● [131]			●		●		● [246]	○	●*	● [246]	●	
<i>longirostris</i> Hook.	●*				●	+	●*						●	●		●*			●							●*			●	●	●				●	
<i>meridionalis</i> (Müll.Hall.) E.Maier [41]			● [131]			●	●																													

	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>Hennediella</i> Paris (Pottiaceae)																																			
<i>heimii</i> (Hedw.) R.H.Zander [9]				○									●*	●					○										○			●			●
<i>stanfordensis</i> (Steere) Blockeel												●*		●*		●*																			
<i>Herzogiella</i> Broth. (Hypnaceae)																																			
<i>seligeri</i> (Brid.) Z.Iwats.	●	○		●	●			●			○*		●	●		●	○		●					●	●				●			●			●
<i>striatella</i> (Brid.) Z.Iwats.			(●)										●	●					○													●			
<i>Heterocladium</i> 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			●				●						●	●									●					●							
<i>Heterophyllum</i> (Schimp.) Kindb. (Pylaisiadelphaceae)																																			
<i>affine</i> (Hook.) M.Fleisch.														(○)					●																
<i>Hilpertia</i> R.H.Zander (Pottiaceae)																																			
<i>velenovskii</i> (Schiffn.) R.H.Zander				●*																									●						
<i>Homalia</i> Brid. (Neckeraceae)																																			
<i>lusitanica</i> Schimp.			(●)			●	●	●			●		●	●		●	○		●			○	●	○				●		●	●		○	●	
<i>trichomanoides</i> (Hedw.) Brid.			[135]	○	●						●		●	●		●	○		●				(○) [300]		○		○	●			●			●	
<i>webbiana</i> (Mont.) Schimp.			●				●						○*										●	●										+	
<i>Homalothecium</i> 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.	●	○	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	○	●	[285]	●	●	●		●	●	●	●	[355]	●	●
<i>Homomallium</i> (Schimp.) Loeske (Hypnaceae)																																			
<i>incurvatum</i> (Schr. ex Brid.) Loeske			(●) [137]	○	●			●*					●	●		●	○		●					●	●		●	●			●			●	
<i>Hookeria</i> Sm. (Hookeriaceae)																																			
<i>lucens</i> (Hedw.) Sm.			●	○				●					●	●			○		●				●				●	●			●		○*	●	
<i>Hygroamblystegium</i> Loeske (Amblystegiaceae)																																			
<i>fluviale</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 <i>ex</i> 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. <i>ex</i> Schwägr.) Ochyra					●*									●					●													(○)			
<i>crispulum</i> (Hedw.) Ochyra	●	○	● [139]	○	●			●	●*	●*	●		●	●		●	○		●				●		●	○		●	○	●	●				●
<i>mulahaceni</i> (Höh.) Ochyra [47]													● [47]																						
<i>Hymenostylium</i> Brid. (Pottiaceae) [403]														[403]					[403]												[403]				
<i>hildebrandtii</i> (Müll.Hal.) R.H.Zander [48]																							●* [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]											[49]												
<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>pallens</i> (Hedw.) P.Beauv.				●	●								●	●		○*	○		●				○*	○	●			○				●				
<i>procerium</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>uncinatum</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	●	●	●	○	●	●	●	●	●	●	○	●	●	●		●	○		●		○		● [286]	●	●	●		●	●	●	●	○	(○) [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	●*	○	●	●	●	●	●	●	●	○* [182]	●		●	●		●	○		●				●	●	●	●	●*	[318]	●	●	●	●	●	●*	●	●
<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.	●	○			●				●*				●	●		○*			●						●	●			○		●	●			●	[384]		
<i>saxicola</i> (Schimp.) Molendo	●				●								●	●		●	○		●					●	●*			●	●	○*	●				●			
<i>saviana</i> (De Not.) E.Lawton		○		○	●			●						●		●	○		●					●	●			●			●				●			
<i>Leskea</i> Hedw. (Leskeaceae)																																						
<i>polycarpa</i> Hedw.		○		●	●		+*		●*		○*		●	●		●	○		●						●	●		●	●	○*	●*	●			●			
<i>Leucobryum</i> Hampe (Leucobryaceae)																																						
<i>albidum</i> (P.Beauv.) Lindb. [409]			●				(●)							●																								
<i>glaucum</i> (Hedw.) Ångstr. [9]			●	○	●		(●)	●					●	●		○	○		●				●		○		○	●		[341]	●			●				
<i>juniperoideum</i> (Brid.) Müll.Hal. [409]			●		●*		●						●	●			●		●				●					●				●			●			
<i>Leucodon</i> Schwägr. (Leucodontaceae)																																						
<i>canariensis</i> (Brid.) Schwägr.				(●) [141]			●																	●														
<i>flagellaris</i> Lindb. ex Broth.																●*																			(+) *			
<i>immersus</i> Lindb.																○*																	[359]	●				
<i>sciuroides</i> (Hedw.) Schwägr. [54]	●	○	●	●		●	●	●	●	●	●		●	●		●	○	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●			
<i>treleasei</i> (Cardot) Paris				(●)			●																●															
<i>Loeskeobryum</i> Broth. (Hylocomiaceae)																																						
<i>brevirostre</i> (Brid.) M.Fleisch.			●	○	●			●*			○*		●	●		(○)*	●		●						●			○				●			●			
<i>Meesia</i> Hedw. (Meesiaceae)																																						
<i>hexasticha</i> (Funck) Bruch															○																							
<i>longiseta</i> Hedw.				○	●*										○				(○)*		○											(○)						
<i>triquetra</i> (L. ex Jolycl.) Ångstr.				●	(○) [161]								●	●		○*			●									○				●						
<i>uliginosa</i> Hedw.				○	●								●	●		●*	○		●					●	●							●						
<i>Microbryum</i> 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					+	●	●	●	●	●	●	●	●	●		●	○	●	●	●	●	○	●	●	●	○	○	●	●	●	●	●	○	●	●			
<i>Microcampylopus</i> (Müll.Hal.) M.Fleisch. (Leucobryaceae)																																						
<i>laevigatus</i> (Thér.) Giese & J.-P.Frahm			●				●*																	○														
<i>Microeurhynchium</i> 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>sendtneriana</i> (Bruch & Schimp.) Limpr.														●					●					●*			○	○		○						
<i>taeniatiifolia</i> Herzog														●																						
<i>tenuinervis</i> Limpr.														●					○*																	
Myrinia Schimp. (Myriniaceae)																																				
<i>pulvinata</i> (Wahlenb.) Schimp.														○					○*												[342]					
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		●	○*				●						●			●							●					[327]								
<i>menziesii</i> Drumm.				●	●		●*	●*	●		○		●	●		●	○		●		○		●		●	●		○*	●	●*	●			●*	●	
<i>oligocarpa</i> Bruch																			●																	
<i>pennata</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>Nyholmia</i> Holmen & Warncke (Orthotrichaceae) [57]																																			
<i>gymnostoma</i> (Bruch ex Brid.) Holmen & Warncke					●									●					●*												○			●	
<i>obtusifolia</i> (Brid.) Holmen & Warncke	●*	●*		○	●								●	●		●	○		●				●		●			●		○*	●			●	
<i>Oedipodiella</i> Dixon (Gigaspermaceae)																																			
<i>australis</i> (Wager & Dixon) Dixon							●						●	●									●												
<i>Oligotrichum</i> DC. (Polytrichaceae)																																			
<i>hercynicum</i> (Hedw.) Lam. & DC.	●			○	●								●	●					●						○			○			●			●*	
<i>Oncophorus</i> (Brid.) Brid. (Rhabdoweisiaceae)																																			
<i>dendrophilus</i> Hedd. & Blockeel [58]									● [58]	● [58]																									
<i>virens</i> (Hedw.) Brid.	●			○	●				[174]				●	●			○		●				● [287]		●	●			○	●	(○)*	●		●	
<i>wahlenbergii</i> Brid.									[174]				●*	●																					
var. <i>wahlenbergii</i>																			●											○					
var. <i>compactus</i> (Bruch & Schimp.) Braithw.																			○																
<i>Oreas</i> Brid. (Rhabdoweisiaceae)																																			
<i>martiana</i> (Hoppe & Hornsch.) Brid.														○					●																
<i>Oreoweisia</i> (Bruch & Schimp.) De Not. (Rhabdoweisiaceae)																																			
<i>torquescens</i> (Hornsch. ex Brid.) Wijk & Margad.																			●																
<i>Orthodontium</i> Schwägr. (Orthodont																																			

	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.									●*				●	●					●									●			[386]	○			●	
<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.			●	●	●	●	●	○*	●	●*	●		●	●		●	○	●	●					●	●	●	●	●	●	●	●	●	●		●
<i>Oxystegus</i> (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.					●	●*		○*	+		○*		●	●		●		●	●		○*		●	●	●			●*	●	●	●	●		●	[379]
var. <i>holtii</i> (Braithw.) A.J.E.Sm. [62]														●																				[379]	
<i>Palamocladium</i> Müll.Hal. (Brachytheciaceae)																																			
<i>euchloron</i> (Müll.Hal.) Wijk & Margad.																●*																		●	
<i>Paludella</i> Brid. (Meesiaceae)																																			
<i>squarrosa</i> (Hedw.) Brid.													[235]	●					●						(○)										
<i>Palustriella</i> Ochyra (Amblystegiaceae)																																			
<i>commutata</i> (Hedw.) Ochyra	●	○		●	●	●		●	●	●*	●		●	●		●	○		●		○ [277]		●	●	●	●		(+) [329]	●	●	●	●	○		●
<i>decipiens</i> (De Not.) Ochyra	●	○		●	●								●	●		●			●				○*		●	●			●			●		●	[380]
<i>falcata</i> (Brid.) Hedenäs	●	○		●	(●)						●		●	●		●	●*		●				●	●	●			●	○	●	●			●	
<i>Paraleucobryum</i> (Limpr.) Loeske (Dicranaceae)																																			
<i>enerve</i> (Thed.) Loeske	●			○	●								●	●					●					●	○			●			●			●	
<i>longifolium</i> (Hedw.) Loeske		○		○	●		●						●	●		●*	○		●					○	○	○		●			●			●	
<i>sauteri</i> (Bruch & Schimp.) Loeske				○	○								●	●		●*	○		●					●				●			●			○*	
<i>Pelekium</i> Mitt., <i>nom. cons.</i> (Thuidiaceae)																																			
<i>atlanticum</i> (Hedenäs) Hedenäs							●																	●											
<i>minutulum</i> (Hedw.) Touw														○				(●)*						●				●			○				
<i>Philonotis</i> Brid. (Bartramiaceae)												[209]																							
<i>caespitosa</i> Jur.	●		●	○	●		● [165]				●*		●	●		●	○		●				○		●	●		●	●	●	○* [387]	●	+		●
<i>calcareae</i> (Bruch & Schimp.) Schimp.	●	○	●	○	●		●	●			●		●	●		●	○	●*	●		●		●		●	●		●	●	○*	●	●	○*	○	●
<i>capillaris</i> Lindb. [63]			●	○	●			●			●		●	●		●			●					●	○	●		●	○	●	●	●		○	●
<i>fontana</i> (Hedw.) Brid.	●	○	●	●	●	●	●	●	●		●	○*	●	●		●	○		●				●	●	●	●		●	●	●	●	●	○ [165]	●	●
<i>hastata</i> (Duby) Wijk & Margad.			●									[165]	[236]					●			○			● [309]										●*	
<i>laxitexta</i> J.Fröhl. [64]																					●* [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]												(●)* [65]																							
<i>niloticum</i> (Delile) Müll.Hal. [29]												● [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]																																			● [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> (Schräd.) 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>neckeroideum</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>striatulum</i> (Spruce) M.Fleisch.		○		●	●	●	○*	●*	●		○*		●	●		●	○		●				●		●	●	●	●	●	●	●	●			●	
<i>Platydictya</i> Berk. (Hypnaceae)																																				
<i>jungermannioides</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)																															[343]				[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]												[70]																								
<i>andalusica</i> (Höhm.) Broth.	●		(○)*										●	●					●				●				(●)	●								
<i>andrewsii</i> A.J.Shaw														●					●																	
<i>annotina</i> (Hedw.) Lindb.		●*	●	○	●*		●*	●	●*		○*		●	●		●			●				●	●			●		●		●	○			○*	
<i>atropurpurea</i> (Wahlenb.) H.Lindb.		○									○*	○*	[237]						●			○*	○	(+)						○	[387]		[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.	●*		(●)*	○			○*	●			+		●	●		●	○							● [311]	●	●	[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>longicollis</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>proligeris</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>calcareis</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.	●	○		●	●			●			○*		●	●		●	○		●					●	●		●	●	●	○*	●				● [383]	
<i>sexangulare</i> (Brid.) G.L.Sm.	●*			○	●								●	●		●*			●						●						●				●*	
<i>Polytrichum</i> Hedw. (Polytrichaceae) [71] [410]																					[71]															
<i>commune</i> Hedw.	●		●	●	●		●	●			●*		●	●		●*	○		●				○	●	●	○		●	●	●*	●	●	○*	●	●	
<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>Pseudocampylium</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.	●	○		●			●	●	●	●	●		●	●		●							● [289]	●	●	●		●	●		●	●		○*	●

	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	
var. <i>filiforme</i>					●				+				●	●		●			●										●	●						
var. <i>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	●*			○	●	●				●*	● [294]		●	●		●	○	●	●	●			●	○		●*		●		●	○	○*	●	●		
<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> Fühnr. (Ptychomitriaceae)																																				
<i>incurvum</i> (Schwägr.) Spruce													○*	●					○																	
<i>nigrescens</i> (Kunze) Wijk & Margad.			●				●							●*										●				●		○*						
<i>polyphyllum</i> (Dicks. ex Sw.) Bruch & Schimp.	●*		●	○			●	●					●	●			○		●					●				●			○					
<i>Psychostomum</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.		○		○	(○)			(●)*			○		●	●		○*	○		●					●				●		●	○	○*		●		
var. <i>compactum</i>														●				●																		
var. <i>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	●	●	● [145]	●	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●			●	● [145]	●	●	●	●	●	●	●	●	○	○*	●	
<i>longisetum</i> (Blandow ex Schwägr.) J.R.Spence																														(○)						
<i>moravicum</i> (Podp.) Ros & Mazimpaka [10]	●*			●	●		(●)				●		●	●		●	●		●				●		●	●	○ [318]	●	●		●	●			●*	

	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>pallens</i> (Sw.) J.R.Spence	●*	●		●	●		●	●			●		●	●		●	●*		●		○*		○		○	●			●	●	●	●			●
<i>pseudotriquetrum</i> (Hedw.) J.R.Spence & H.P.Ramsay	●	○	●	○	●	●*	●	●	●	●	[198]	●	●	[198]		●	●						●	●	●	●		●	●		●	●		●	
var. <i>pseudotriquetrum</i>				○	●		●						●	●		●	○		●	●*	●*				●*	●		●	●	●	●	○			●
var. <i>bimum</i> (Schreb.) Holyoak & N.Pedersen				○	○	●*				○*	[421]	●	●	●		●	○		●					●			○*		○	●*		○			●
<i>rubens</i> (Mitt.) Holyoak & N.Pedersen		●*	●	○	●	●*	●	●*	●*				●	●		●	●		●					●	(●)	●*	[316]	●	●	○*	●	○		●*	●
<i>torquescens</i> (Bruch & Schimp.) Ros & Mazimpaka [10] [77]		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●*	●	○	●	●	●	●	●	●	●	●	○	○*	●	●	
<i>zieri</i> (Hedw.) Holyoak & N.Pedersen		●*		○	○					●*			●	●			○		●				○*		●	●			●			●			●
<i>Pylaisia</i> Schimp. (Hypnaceae)																																			
<i>polyantha</i> (Hedw.) Schimp.		●*		●	●		●				○*	[199]	●	●		(●)*	○		●						●			●	●		●	●			●
<i>Pyramidula</i> Brid. (Funariaceae)																																			
<i>tetragona</i> (Brid.) Brid.							●*				○		●	●				●*	●				●				●*	○		○		●*		●*	
<i>Racomitrium</i> Brid. (Grimmiaceae)																																			
<i>aciculare</i> (Hedw.) Brid.	●*		●		●		●	●			●	○*	●	●		●	○		●					●	●	●		●	○	●	●	●		●	●
<i>affine</i> (F.Weber & D.Mohr) Lindb.	●				●			●		(○)*			●	●					●					●				●	●		●			○*	
<i>aquaticum</i> (Brid. ex Schrad.) Brid.	●		●	○	●		●	●					●	●		●*	○		●					●				●	●	○		●		●	
<i>canescens</i> (Hedw.) Brid.	●	○	[146]	●							○*		●	●		●	●		●						●	●		●	●	●	●	●		●	
subsp. <i>canescens</i>					●											●																			
<i>ellipticum</i> (Turner) Bruch & Schimp.							●*																											●*	
<i>elongatum</i> Ehrh. ex Frisvoll	●		●		●*			●					●	●		●			●					●	●			●	●	●*	●	●		●	
<i>ericoides</i> (Brid.) Brid.		○	○		●							[240]	●			(○)*			●						●	●*			○	●	●	○		●	
<i>fasciculare</i> (Hedw.) Brid.			●		●								●	●					●					●				(○)	○		○				
<i>hespericum</i> Sérgio, J.Muñoz & Ochyra													●															●							
<i>heterostichum</i> (Hedw.) Brid.			●	○	●		●	●			○*		●	●		●*	○	●	●		●			●	●	●		●	○	●	●	●	○*		●
<i>lamprocarpum</i> (Müll.Hal.) A.Jaeger													●															●							
<i>lanuginosum</i> (Hedw.) Brid.			●	○	●		●	●					●	●		○*			●					●	●			●	●	●	●	●		●	
<i>lusitanicum</i> Ochyra & Sérgio														●														●							
<i>macounii</i> Kindb.																												●						●*	
subsp. <i>macounii</i>	●*				●			●*					●	●					●									●							
subsp. <i>alpinum</i> (E.Lawton) Frisvoll	●							●					●	●					●									●							
<i>microcarpon</i> (Hedw.) Brid.					●									●		[260]			●					●					○*		○		●*		
<i>obtusum</i> (Brid.) Brid.													●	●				○*									●								
<i>sudeticum</i> (Funck) Bruch & Schimp.	●			○	●			○					●	●					●					●	●		●	○	●*	○*	○			●	
<i>Rhabdoweisia</i> Bruch & Schimp. (Rhabdoweisiaceae)																																			
<i>crenulata</i> (Mitt.) H.Jameson													●	●					●													(○)			
<i>crispata</i> (Dicks.) Lindb.					●		●*						●	●					●		○*										●				
<i>fugax</i> (Hedw.) Bruch & Schimp.	●		○		●		●	○*					●	[249]					●					●	●			●	●	●*	●	●			
<i>Rhamphidium</i> Mitt. (Ditricaceae)																																			
<i>purpuratum</i> 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
Rhizomnium (Broth.) T.J.Kop. (Mniaceae)																																			
<i>magnifolium</i> (Horik.) T.J.Kop.	●				○			○*					●	●					●					●	○		●	●				●			●
<i>pseudopunctatum</i> (Bruch & Schimp.) T.J.Kop.		●*		●	●								[241]	●					●				●	●		●					●				
<i>punctatum</i> (Hedw.) T.J.Kop.	●	○	●	●	●	●		●			●		●	●		●	●		●			●	●	●	●		●	●	●	●	●		○ [374]	●	
Rhodobryum (Schimp.) Limpr. (Bryaceae)																																			
<i>ontariense</i> (Kindb.) Kindb.					●								●	●			○		●								●				●			●	
<i>roseum</i> (Hedw.) Limpr.				●	●								●	●		●*	○		●					●	●		●				●			●	
Rhynchostegiella (Schimp.) Limpr. (Brachytheciaceae)																																			
<i>bourgaeana</i> (Mitt.) Broth.			○ [399]					●					●																						
<i>curviseta</i> (Brid.) Lindb.		●	●			●	[166]	●	●	●*	●		●	●		●	●	●	●	●	●	○*	●	●	●		●	●	○	●	●	○		○	●
<i>litorea</i> (De Not.) Limpr.		●	●*	○		●	●	●	●	●*	●		●	●		●*	○		●			○*	●	●	○		●*	●		●	●				●
<i>macilenta</i> (Renauld & Cardot) Cardot							●																●												
<i>tenella</i> (Dicks.) Limpr.		●	●	●		●	[166]	●	●	●	●	○	●	●		●	○	●	●*	●		●	●	●		●	●	●		●	●				●
var. <i>tenella</i>					●				●					●		●			●											●	●				
var. <i>meridionalis</i> (Boulay) Zodda											●			○		○*						○								●			○		
<i>teneriffae</i> (Mont.) Dirkse & Bouman				○	●*	●*	●	●	●	●*	○		●	●		●	○	●	●			●*	●	○		●	●	●	○	●		○*	●		
<i>tenuicaulis</i> (Spruce) Kartt.				+									(●)	●		●*		○*						●*											
<i>trichophylla</i> Dirkse & Bouman							●																●*												
Rhynchostegium Schimp. (Brachytheciaceae) [78]																																			
<i>alopecuroides</i> (Brid.) A.J.E.Sm.		[117]						●*					●	●		(○)*											●							(●)*	
<i>confertum</i> (Dicks.) Schimp.		○	●	○	●	●	●	●	●	(○)*	○ [200]		●	●		●	○	●	●			(○)*	●	●	○			●	●	●	●	●	●	○	●
<i>confusum</i> K.Cezón, J.Muñoz, Hedenäs & Huttunen [79]													●*																						
<i>megapolitanum</i> (Blandow ex F.Weber & D.Mohr) Schimp.		●	●	○	●	●	●	●	●	●	●		●	●		●	○	●	●	●	●		●	●	○	●	●	●	●	●	○		○	●	
<i>murale</i> (Hedw.) Schimp.		○		●	●		(○)*		○*		○		●	●		●	○	●	●				(●) [300]	●	●*		●	●		[345]	●	○*	○	●	
<i>riparioides</i> (Hedw.) Cardot [78] [80]	●*	○ [117]	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	○*	●		
<i>rotundifolium</i> (Scop. ex Brid.) Schimp.				+										●					●								●		●*	○			●		
<i>strongylense</i> (Bott.) W.R.Buck & Privitera																			●*										●						
Rhytidiadelphus (Limpr.) Warnst. (Hylocomiaceae)																																			
<i>lozeus</i> (Hedw.) Warnst.			●	●	●			●					●	●			○		●				●	●			●	●			●			●*	
<i>squarrosus</i> (Hedw.) Warnst.		●*	●	●	●								●	●		●	○		●				●	●			●	●	●*	○*	●			●	
<i>subpinnatus</i> (Lindb.) T.J.Kop.			●	○										●					●				(●) [300]							○			○*		
<i>triquetrus</i> (Hedw.) Warnst.	●	○		●	●	●		●			○		●	●		●	○		●				●	●	●		●	●	●	●	●			●	
Rhytidium (Sull.) Kindb. (Rhytidiaceae)																																			
<i>rugosum</i> (Hedw.) Kindb.	●			●	●								●	●		○*	○		●				○*		●	●		○			●			●	

	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>strictum</i> (Turner) Loeske ex Martensson [83]					●								●	●					(●) [273]					●*						(●) [273]	(○)* [273]	○			+*
<i>submuticum</i> H.H.Blom																																		(●)*	
<i>trichodon</i> (Brid.) Poelt													(●)												○							○		●	
var. <i>trichodon</i>														●					●																
<i>umbrosum</i> (J.E.Zetterst.) H.H.Blom				○																				●*											
<i>Schistostega</i> D.Mohr (Schistostegaceae)																																			
<i>pennata</i> (Hedw.) F.Weber & D.Mohr													●	●					●									●			●				
<i>Schizymenium</i> Harv. (Mniaceae)																																			
<i>pontevedrense</i> (Luisier) Sérgio, Casas, Cros & Brugués													●														●								
<i>Sciuro-hypnum</i> Hampe (Brachytheciaceae) [84]																																			
<i>curtum</i> (Lindb.) Ignatov [85]													●*	●		[262]			○															●	
<i>flotowianum</i> (Sendtn.) Ignatov & Huttunen				○	●								(○)	●		●		○						(●) [300]				●	●*	○	○			●	
<i>glaciale</i> (Schimp.) Ignatov & Huttunen		○			●			○*					●	●		●*		●							●							○			
<i>latifolium</i> (Kindb.) Ignatov & Huttunen					●									○				●																(●)*	
<i>oedipodium</i> (Mitt.) Ignatov & Huttunen [85]													(●)			[262]								(●)	(●)*						(●)		(●)		
<i>ornellatum</i> (Molendo) Ignatov & Huttunen													○			(+)*		○										●		(○)*	○				
<i>plumosum</i> (Hedw.) Ignatov & Huttunen	●*		●	○	●	●*	●	●		●*	○ [394]	(+) [211]	●	●		●*	○		●				○ [394]	●	●	●		●	●		[346]	●		●	
<i>populeum</i> (Hedw.) Ignatov & Huttunen			●	●	●		[168]	●		○*	○		●	●		●	●	●	●		+	(○)*	○		●	●*		●	●	●	○*	●		●	
<i>reflexum</i> (Starke) Ignatov & Huttunen	●*	○			●			●					●	●			○		●					●				○		●*	●		●		
<i>starkei</i> (Brid.) Ignatov & Huttunen				●	●								●	● [292]		●*	○		●					●	●*		●	○	●*	●	●		●		
<i>tromsoeense</i> (Kaurin & Arnell) Draper & Hedenäs [84]													●*	● [84]		●*		●*																	
<i>Scleropodium</i> Bruch & Schimp. (Brachytheciaceae)																																			
<i>cespitans</i> (Wilson ex Müll.Hal.) L.F.Koch							●*	○*	●*				●	●				●	●		●			(+) [300]				(●)		●	●			●	
<i>touretii</i> (Brid.) L.F.Koch		●	●	○	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●	○	●	●	●	○	●	●	(○)	○*	○	●
<i>Scopelophila</i> (Mitt.) Lindb. (Pottiaceae)																																			
<i>cataractae</i> (Mitt.) Broth.													●	●																					
<i>ligulata</i> (Spruce) Spruce			●				●*						●	●					●				○*								○			○*	
<i>Scorpidium</i> (Schimp.) Limpr. (Amblystegiaceae)																																			
<i>cossonii</i> (Schimp.) Hedenäs	●			○	●*								●	●		●*		●						●	●*						●				
<i>revolvens</i> (Sw. ex anon.) Rubers				●	●								●	●		○		●				(●)*		●	●				●*		●		●		
<i>scorpioides</i> (Hedw.) Limpr.	●			●	●								●	●		○		●						●*				●			●				

	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		
Scorpiurium Schimp. (Brachytheciaceae)																																					
<i>circinatum</i> (Bruch) M.Fleisch. & Loeske		○	●	●	●	●	●	●	●	●	●		●	●		●	○	●	●	●	●	○	●	●	○	●	●	●	●	●	●	●	[368]	○	●		
<i>deflexifolium</i> (Solms) M.Fleisch. & Loeske		○		○		●	●	●	●		●		●	●		●		●	●		○		●	●	●		(○)*	●		●	●			○	●		
<i>sendtneri</i> (Schimp.) M.Fleisch.									●	●			●	●		●	○	●	●				●*	(+) [300]	●		[321]	●		●*	●*	●			●		
Seligeria Bruch & Schimp. (Seligeriaceae)																																	[369]				
<i>acutifolia</i> Lindb.					●				●*				●	●		●	○		●				●*		●*			●*	●*		●*				●		
<i>brevifolia</i> (Lindb.) Lindb.														●																							
<i>calcareia</i> (Hedw.) Bruch & Schimp.													●	●					●													○					
<i>calycina</i> Mitt. ex Lindb.									●*					●													○*	●							●*		
<i>campylopoda</i> Kindb.					●														●*																		
<i>carniolica</i> (Breidl. & Beck) Nyholm														●*														○				○					
<i>diversifolia</i> Lindb.									[175]					(○)					○*																		
<i>donniana</i> (Sm.) Müll.Hal.					●			●*					●	●		●*	○		●					●*			●					○					
<i>patula</i> (Lindb.) I.Hagen													●*	●																		(○)					
<i>pusilla</i> (Hedw.) Bruch & Schimp.				○	●	●*			●				●	●		(○)*	○		●					●			●*	●		●*	●*	○			●		
<i>recurvata</i> (Hedw.) Bruch & Schimp.				○	●								●	●		●*	○		●					○						●*		○			○		
<i>trifaria</i> (Brid.) Lindb.				○									●	●		●			●													●					
<i>tristichoides</i> Kindb.					○																														+	*	
Sematophyllum Mitt. (Sematophyllaceae)																																					
<i>adnatum</i> (Michx.) E.Britton																			●																		
<i>demissum</i> (Wilson) Mitt.											[201]		●	●					●									○							●		
<i>substrumulosum</i> (Hampe) E.Britton		●*	●			●	●	●			○		●	●		●*	○		●				●	●	○		●				●			●*			
Serpoleskea (Limpr. ex Hampe) Loeske (Amblystegiaceae) [73]																																					
<i>confervoides</i> (Brid.) Schimp.				●	●	●							●	●		●*	●		●					●	●		●				●				●		
Sphagnum L. (Sphagnaceae) [86] [87]	[116]		[87]										[86]	[116]																							
<i>affine</i> Renaud & Cardot			●											●																			○				
<i>angustifolium</i> (C.E.O.Jensen ex Russow) C.E.O.Jensen				○	●								●	●		●*	○		●					●*		●	●				●				+	*	
<i>aongstroemii</i> C.Hartm.																																				+	*
<i>auriculatum</i> Schimp.	●	●	●	○	●			●	●		●		●	●		●*	○		●				○	●	●		●	●	●	●	●	●		●	[202]	+	*
<i>austinii</i> Sull.														○																							
<i>balticum</i> (Russow) C.E.O.Jensen														○*				○																			
<i>capillifolium</i> (Ehrh.) Hedw.	●		●	○	●			●					●	●		(○)*	○		●					(+) [312]	●	●		●	○	●		●	○*	[202]	○		
<i>centrale</i> C.E.O.Jensen			●	○	●			+	*				●	●		●*	○		●					●	●		[331]	●			●				●*		
<i>compactum</i> Lam. & DC.	●		●		●		+	*	●				●	●				○		●				○		●				●					○		
<i>contortum</i> Schultz	●	●*			●						[202]		●	●		●*	○		●					●	●		[331]	○		●	●						
<i>cuspidatum</i> Ehrh. ex Hoffm.			●	○	●								●	●		●*	○		●					●			●	○			●						
<i>fallax</i> (H.Klinggr.) H.Klinggr.	●*			○	●								●	●				○		●				●			●*	●			●						
<i>fimbriatum</i> Wilson	●*			○	●*								●	●				○		●		○									●		○*				
<i>flexuosum</i> Dozy & Molk.				○	●								●	●				○		●			[202]	●				●	○			●					

	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>fuscum</i> (Schimp.) H.Klinggr.					●								●*	●					●									○			●					
<i>girgensohnii</i> Russow	●		○	○	●			●					●	●			○		●						●			●*	●			●			○*	
<i>inundatum</i> Russow			●	○	●									●			○		●						●	●*		(●)	●		○				●*	
<i>lindbergii</i> Schimp.														●*																						
<i>magellanicum</i> Brid.			●		●			+	*				●	●					●						●	●					[347]	●				
<i>majus</i> (Russow) C.E.O.Jensen													●	●					●													●				
<i>molle</i> Sull.													●	●					●							○		●	○							
<i>obtusum</i> Warnst.					●									●			○		●										●							
<i>palustre</i> L.	●	○	●	○	●		(+)*	●			[202]		●	●		●	○		●						●	●		●	●			●			○	
<i>papillosum</i> Lindb.	●		●	○	●								●	●				○	●									●	○			●				
<i>platyphyllum</i> (Lindb. ex Braithw.) Warnst.				○	●								●	●		●*			●						●	●		●	○			●			●	
<i>pulchrum</i> (Lindb. ex Braithw.) Warnst.														(●)																		●				
<i>pylaesii</i> Brid.			[148]										●	●																						
<i>quinquefarium</i> (Braithw.) Warnst.	○*			○	●								●	●			○		●													●				
<i>recurvum</i> P.Beauv. [400]			●*																																	
			[400]																																	
<i>riparium</i> Ångstr.					○									●					○*													●				
<i>rubellum</i> Wilson	●		(○)	○									●	●			○		●					(+)		●		●	●			●				
			[149]																					[312]												
<i>russowii</i> Warnst.	●			○	●			●*					●	●			○		●						●	○		●	●			●				
<i>squarrosum</i> Crome			●	○				●					●	●		●	○		●					(+)	●	○		●	●			●			○	
			[312]																					[312]												
<i>subfulvum</i> Sjors					●																															
<i>subnitens</i> Russow & Warnst.		●*	●		●			●					●	●			○		●				+	○	●	○		●	●	●		●		●	[202]	
subsp. <i>subnitens</i>														●																						
<i>subsecundum</i> Nees	●		+	○	●			●			[202]		●	●		●	○		●						●	●		●	●		○*	●		[202]	●	
			[401]																																	
<i>tenellum</i> (Brid.) Pers. ex Brid.								●*						●					●									●				●				
<i>teres</i> (Schimp.) Ångstr.		●*			●			●*					●	●		●			●						●	●			●			●			○	
<i>warnstorffii</i> Russow	●				●								●	●			○		●							●			●			●			○*	
<i>Splachnobryum</i> Müll.Hal. (Pottiaceae)																																				
<i>aquaticum</i> Müll.Hal. [88]																			●																	
<i>limbatum</i> D.H.Norris & R.H.Zander [89]												(●)*																								
												[89]																								
<i>obtusum</i> (Brid.) Müll.Hal.			●									●*																								
<i>Splachnum</i> Hedw. (Splachnaceae)																																				
<i>ampullaceum</i> Hedw.													●	●					●						●							○				
<i>sphaericum</i> Hedw.														○					●									○				○				
<i>vasculosum</i> Hedw.														○					○*					+												
<i>Stegonia</i> Venturi (Pottiaceae) [90]																							[90]													
<i>latifolia</i> (Schwägr.) Venturi ex Broth.	●*				●								●	●		[263]			●							●					○			●		
<i>Straminergon</i> Hedenäs (Calliergonaceae)																																				
<i>stramineum</i> (Dicks. ex Brid.) Hedenäs	●			○	●			●					●	●		(○)*	○		●						●	●		●	●			●			●	

	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>Syntrichia</i> Brid. (Pottiaceae)																								● [313]												
<i>bogotensis</i> (Hampe) R.H.Zander																							●		●											
<i>calvicola</i> J.J.Amann [418]	●	○			●	●			●*	●*			●	●		●			●				●		●				●	○*	●		○*		●	
<i>caninervis</i> Mitt.											○		●	●									●										○*			
var. <i>abranchesii</i> (Luisier) R.H.Zander													○*																							
var. <i>astrakhanica</i> Ignatov, Ignatova & Suragina														●*																						
var. <i>caninervis</i>											○		●			●*				●	●		●												●	
var. <i>gypsophila</i> (J.J.Amann ex G.Roth) Ochyra													●	●					●				●										●*		●	
var. <i>pseudodesertorum</i> (Vondr.) M.T.Gallego													[242]					●		●													●*		●	
<i>echinata</i> (Schiffn.) Herrnst. & Ben-Sasson									●	●								●		●	●										●*				●	
<i>fragilis</i> (Taylor) Ochyra							●				○*	●*	●						●				●	○								○	○*		●*	
<i>handelii</i> (Schiffn.) S.Agnew & Vondr.						●*			●	●*	●*	●*	●*	●	●	●		●					●		●						●		○*		●	
<i>laevipila</i> Brid.	●*	●*	●		●	●	●	●	●	●	●		●	●		●	○	●	●	●*	●	○*	●	●	●	○		●	●	●	●	●	○*	●	●	
<i>latifolia</i> (Bruch ex Hartm.) Huebener				○	●								●	●			○		●					●*	○	○		●	●		●	○			●	
<i>minor</i> (Bizot) M.T.Gallego, J.Guerra, M.J.Cano, Ros & Sánchez-Moya							●*			●			●			●*					○*		●													
<i>montana</i> Nees		○		●	●	●	●	●	●	●	●		●	●		●	○	●	●			○	●	●	●	●		●	●	●	●	●	○*	●		
var. <i>calva</i> (Durieu & Sagot ex Bruch & Schimp.) J.J.Amann											●		●	●		○*								●*										●	●*	
var. <i>montana</i>									●	●			●	●		●			●	○			●								●			●	●	
<i>norvegica</i> F.Weber	●*	●		○	●			●					●	●		●			●				●	○	●	○	●*					●*	●			●
<i>papillosa</i> (Wilson) Jur.	●*			○	●		●	●					●	●		●	○		●				●		●			●	●		●	●			●	
<i>papillosissima</i> (Copp.) Loeske									●*	●	●*		●			○			(○)*	●*	○		●		●			●*		○*	●*		○*		●	
<i>princeps</i> (De Not.) Mitt.	●*				○	●*	●	●	●	●	●		●	●		●		●	●	●	○		●	●	●	●		●	●	●	●		●	●*	●	
<i>rigescens</i> (Broth. & Geh.) Ochyra												○*		●*				●*		●			●*													
<i>ruralis</i> (Hedw.) F.Weber & D.Mohr	●*	○	●	●		●	●	●	●	●	●		●	●		●	●	●					●	●	●	●		●	●		●	●	○	○		
var. <i>ruralis</i>	●				●	●			●	●			●	●		●			●	●	○		●							●	●	●			●	
var. <i>ruraliformis</i> (Besch.) Delogne	●*	○		●	●	●	○		●*	●	○		●	●		●			●				●	●	●	●*		●	●	●	●				○	●
<i>sinensis</i> (Müll.Hal.) Ochyra										○*			●	●		[264]			●													○		○*	●	
<i>submontana</i> (Broth.) Ochyra [91]																				○ [91]																
<i>subpapillosissima</i> (Bizot & R.B.Pierrot ex W.A.Kramer) M.T.Gallego & J.Guerra	●*					●*			●*		●		●	●									●				●								●	
<i>virescens</i> (De Not.) Ochyra				○	●	[156]	●	●*	●	●*	○*	●*	●	●		●	○		●	●	●		●		●*			●	●	●	●	○			●	
<i>Taxiphyllum</i> M.Fleisch. (Hypnaceae)																																				
<i>densifolium</i> (Lindb. ex Broth.) Reimers																	●*													●					●	
<i>wissgrillii</i> (Garov.) Wijk & Margad.				○	●	●			●				●	●			○		●						●*					●		[348]	●		○*	●
<i>Tayloria</i> Hook. (Splachnaceae)																																				
<i>acuminata</i> Hornsch.														●					○																	

	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. <i>ex</i> Broth.					●								●	●					●										●			●			
<i>hornschuchii</i> (Grev. & Arn.) Broth.																			○																
<i>lingulata</i> (Dicks.) Lindb.					●*									●					●													○			○*
<i>serrata</i> (Hedw.) Bruch & Schimp.														●					●													●			
<i>splachnoides</i> (Schleich. <i>ex</i> Schwägr.) Hook.					●									●					●													○			
<i>tenuis</i> (Dicks.) Schimp.													●	●					○																
<i>Tetraphis</i> Hedw. (Tetraphidaceae)																																			
<i>pellucida</i> Hedw.	+	*		○	●			○*					●	●		●*	○		●						●					●			●		●
<i>Tetraplodon</i> Bruch & Schimp. (Splachnaceae)																																			
<i>angustatus</i> (Hedw.) Bruch & Schimp.														●					●																
<i>mnioides</i> (Hedw.) Bruch & Schimp.													○	●					●				●								●				
<i>urceolatus</i> Bruch & Schimp.														(○)					○																
<i>Tetrastichium</i> (Mitt.) Cardot (Leucomiaceae)																																			
<i>fontanum</i> (Mitt.) Cardot				●			●						●*											●											
<i>virens</i> (Cardot) S.P.Churchill				●			●						●											●											
<i>Tetradontium</i> Schwägr. (Tetraphidaceae)																																			
<i>brownianum</i> (Dicks.) Schwägr.														●																		○		○*	
<i>repandum</i> (Funck) Schwägr.														●																					
<i>Thamnobryum</i> 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			●																																
<i>Thuidiopsis</i> (Broth.) M.Fleisch. (Thuidiaceae)																																			
<i>sparsa</i> (Hook.f. & Wilson) Broth.																								●											
<i>Thuidium</i> Schimp. (Thuidiaceae)																																			
<i>assimile</i> (Mitt.) A.Jaeger	●*	○		●	●						[204]		●	●				○		●				●	●			●			●			●	
<i>delicatulum</i> (Hedw.) Schimp.	●	○	●*	●	●	●*							●	●		●*	○		●				●	●			●			●			●		
<i>recognitum</i> (Hedw.) Lindb.		○		●	●			●*					●	●					●				●					●			●			●	
<i>tamariscinum</i> (Hedw.) Schimp.	●*		●	●	●			●					●	●		●	○		●				●	●			●	●			●			●	
<i>Timmia</i> Hedw. (Timmiaceae)																																			
<i>austriaca</i> Hedw.		○		○	●			●*					●	●		●			●				●	●			●			●			●		●
<i>bavarica</i> Hessel.		○		○	●	●*		●*	●		○		●	●		●	○		●			●		●	●			●	○*	●	●			●	

[illegible]

	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>ampliretis</i> Crundw. & D.G.Long							●																													
<i>atrovirens</i> (Sm.) Lindb.			●		●	●	●	●	●	●	●	●	●	●		●	○	●	●	●		○*	●	●	○	●*		●	●	●	●	○	○*	●	●	
<i>bogosica</i> (Müll.Hal.) R.H.Zander			●				●																													
<i>bolanderi</i> (Lesq. & James) M.Howe							●						●	●*									●*	●*			●*			●	●*					
<i>brevissima</i> Schiffn.							●	●*				●*	●	●		●*		●	●	●									●	●	●		○*		●	
<i>canescens</i> Mont.		○	●*	○	●		●	●	●*	●*	○	●	●	●		●	○	●	●			○*	●	●	●			●	○	●	●	●	●	○*	○*	
<i>caucasica</i> Broth. [97] [99]				○	●	●		●			○	●*	●	●		●	○	●*	●	●			○			●	●		●	●	●	●			●	
<i>cernua</i> (Huebener) Lindb.							●	●						●					●													●				
<i>cuneifolia</i> (Dicks.) Turner		○	●		○	●	●	●	●	●	●		●	●		●	○	●	●		●		●	●	○			●	●	●	●		○*	○*	●	
<i>freibergii</i> Dixon & Loeske						●*					●		●	●		●*		●	●								●*	●		●						
<i>grandiretis</i> Broth.																																			●*	
<i>guepinii</i> (Bruch & Schimp.) Broth.													●	○				●	●				●*				●									
<i>hoppeana</i> (Schultz) Ochyra	●	○			●			●*					●	●		●			●				●			●	●*		○		●	●			●	
<i>inermis</i> (Brid.) Mont.		○		○	●	●	●	●	●	●	●	●	●	●		●	○	●	●	●	●		●		●	●		●	●	●	●	●	○	○	●	
<i>israelis</i> Bizot & F.Bilewsky						●*	●*			●			●			●*		●	●				●*				●		●	●	●				●*	
<i>kneuckeri</i> Broth. & Geh. [100]												● [100]																								
<i>laureri</i> (Schultz) Lindb.																			○												○					
<i>leucostoma</i> (R.Br.) Hook. & Grev.					●									●					●							●									●	
<i>lindbergii</i> Broth. [99]		○		○	●	●*	●	○*	(○) [176]		●		●	●		●	○	●	●				○	●	○	●*		●	●	●	●	●	○*		●	
<i>marginata</i> (Bruch & Schimp.) Spruce		○	●	○	○	●	●	●	●	●	●	●*	●	●		●	○	●	●		●	○	●	●	○		●	●		●	●		+*	○	●	
<i>mucronifera</i> W.Frey, Kürschner & Ros [101]																			● [101]		● [101]															
<i>mucronifolia</i> Schwägr.	●				+								●	●					●				○*								○			●		
<i>muralis</i> Hedw.	●	○	●	●	●	●	●	●	●	●	●	● [222]	●	●		●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	○	○	●	
var. <i>aestiva</i> Brid. ex Hedw. [102]									●*	●*	●		●	●		●			●				○			●	●		●	●			○			
subsp. <i>obtusifolia</i> (Schwägr.) Culm. [96][102]		○			●					○*	○		(●)	●					●				○		●	○								●		
<i>pallida</i> (Lindb.) R.H.Zander						●	●	+*	●	○*		●	●			●*			○*				○*	●*			●	○		●	●			○*	+*	
<i>plinthobia</i> (Sull. & Lesq.) Broth. [103]												(●) [103]																								
<i>protobryoides</i> R.H.Zander [98]					●	●	○*						●	●		●	○		●						●	○		[327]	○	●*	●	●	○*		●	
<i>revolvens</i> (Schimp.) G.Roth			●*			●*	●		●		●		●			●		●	●	●		○	●										●	●	●	
<i>rhodonia</i> R.H.Zander														(●)																						
<i>schimperi</i> M.J.Cano, O.Werner & J.Guerra	●*										○*		●	●		●			●						●				●	●	●				●	
<i>solmsii</i> (Schimp.) Limpr.		○	●				●			●*	○		○*			●			●				○	●			●	●		●	●			○*	●	
<i>subulata</i> Hedw.	●	○		●	●	●	●	●		●	●		●	●		●	○		●	●	●		●	○	●	●		●	●	●	●	●		●	●	
<i>systylia</i> (Schimp.) Lindb.														●					○																+*	
<i>truncata</i> (Hedw.) Mitt.			●	○	●	●	●	○*	●*		○ [207]		●	[207]		●	○		●				○	●	●		●	●	●	● [207]	●	○				●
<i>vahliana</i> (Schultz) Mont.			●*		●*	●	●		●	●	●	●	●	●		●		●	●			[393]	●	+			●*	●	●	●	●			○	●	
<i>viridifolia</i> (Mitt.) Blockeel & A.J.E.Sm.					(●)	●		[177]			○*		●	●		●*	○		○*	●*			○		○			(○) [392]	○	●	●				●	
<i>lassovii</i> (Laz.) Ros & Herrnst. [97]													●																						+*	
<i>wilsonii</i> (Hook.) R.H.Zander						○*		●			●	●*	●	●		●			●				○*				●		●	●						
<i>Trachycystis</i> Lindb. (Mniaceae)																																				
<i>ussuriensis</i> (Maack & Regel) T.J.Kop.																																			●*	

[illegible]

	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	
var. <i>armata</i> (Thér. & Trab.) M.J.Cano, Ros & J.Guerra						●*					●		●										●				●									
<i>controversa</i> Hedw.		●	●	+		●	●	●	●	●	●	●*	●	●		●	○	●		●	●		●	●	●	○	○	●	●		●	●	○*	○		
var. <i>controversa</i>					●	●			●				●	●		●			●	●	●			●	●					●	●	●			●	
var. <i>crispata</i> (Nees & Hornsch.) Nyholm					●	●*		●	●	●	●	●*	●	●		●			●				●	●			●*	●		○	●				●	
var. <i>densifolia</i> (Bruch & Schimp.) Wilson											○								●											○*						
<i>levieri</i> (Limpr.) Kindb.					●	●*			●*				●	●		●	○						●*		○			●*	○		●	○			●	
<i>longifolia</i> Mitt.		●*			●	● [158]	●	●	●*		○ [158]	○*	●	● [158]		●	○	●	●				●	●	●	●*	● [158]	●	●	●	●	○			●	●
<i>multicapsularis</i> (Sm.) Mitt.											○*			●					○*																	
<i>ovatifolia</i> Kürschner [109]																				●* [109]																
<i>perssonii</i> Kindb.													●	●																						
<i>rostellata</i> (Brid.) Lindb.					[158]									●					●													○				
<i>rutilans</i> (Hedw.) Lindb.				○		●*			●*		○		●	● [251]		○	○	●	●				●		○				●	○*		○		○	●*	
<i>sinaloensis</i> E.B.Bartram [110]												(●)* [110]																								
<i>squarrosa</i> (Nees & Hornsch.) Müll.Hal.						●*							●	●				●*											●			○				
<i>sterilis</i> W.E.Nicholson														●																						
<i>wimmeriana</i> (Sendtn.) Bruch & Schimp.	●			○	●	●*		○*			○		●	●			○		●		●		○		○		(○)*	(●)		●	●*	○			○	
Zygodon Hook. & Taylor (Orthotrichaceae)																							[291]													
<i>catarinoi</i> C.Garcia, F.Lara, Sérgio & Sim-Sim [111]										●*			●			+						●*	●					●								
<i>conoideus</i> (Dicks.) Hook. & Taylor [9]			●			[159]	●						●	●		(●)*								○			●									
<i>dentatus</i> (Limpr.) Kartt.														●																					●*	
<i>forsteri</i> (Dicks.) Mitt.					●						○*		●	●		●	○		●					●	(●)		●	●	●	●*	●			●*		
<i>gracilis</i> Wilson														○					●				○* [394]					●	●	●	●*	●				
<i>obtusifolius</i> Hook. [112]												(●)* [112]																								
<i>rupestris</i> Schimp. ex Lorentz		●*	●			●	●	●	●	●*	●* [208]		●	●		●		[272]	●				●	●	○		●	○	●	●	●			●	●	
<i>stirtonii</i> Schimp. ex Stirt.													●*	●																						
<i>viridissimus</i> (Dicks.) Brid.			●	●		(○)*	●		(●)		○ [208]		●	●		●*	○	● [272]	○				○	●	(○)	●		●	●*		●*	○		○	●	
OTHER SPECIES REJECTED FROM THE AREA [113]													[113]																							

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)
Dirichium heteromallum (Townsend, 1999)
Eurhynchiastrum pulchellum (Townsend, 1999)
Eurhynchium angustirete (Casas Sicart, 1986)
Eurhynchium striatum (Cros *et al.*, 2005)
Exsertotheca 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)
Imbricbryum 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)
Stegonia 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 hornschruchianum (Marka & Sabovljević, 2011)
Pseudeskeella 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 (Smookler, 1967)
Didymodon rigidulus (Crundwell *et al.*, 1994)
Didymodon siccus (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 (Blockeel *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 hornschruchianum (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 vahlana (Crundwell *et al.*, 1994)
- BA – BOSNIA-HERZEGOVINA**
- Bryum canariense* (Pavletić, 1955)
- BG – BULGARIA**
- Acaulon triquetrum* (Natcheva & Ganeva, 2006)
Amblyodon dealbatus (Blockeel *et al.*, 2006a)
Bartramia stricta (Lüth, 2007)
Bryum funkii (Lüth, 2007)
Bryum klinggraeffii (Natcheva & Ganeva, 2007)
Campyliadelphus elodes (Blockeel *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 velenovskyi (Natcheva & Ganeva, 2006)
Hymenoloma compactum (Lüth, 2007)
Hypnum bambergeri (Lüth, 2007)
Hypnum recurvatum (Lüth, 2007)
Leucobryum juniperoideum (Ganeva *et al.*, 2008)
Meesia longiseta (Blockeel *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 (Blockeel *et al.*, 2006a)
Sphagnum fimbriatum (Natcheva, 2005)
Tayloria lingulata (Ganeva, 2008)
Tortella bambergeri (Lüth, 2007)
Tortella inflexa (Papp *et al.*, 2011)
Tortula vahlana (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 schimperi (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)
Isotetrygiopsis 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)
Pleuroidium 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)
Isoetecium alopecuroides (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)
Imbriobryum 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 schimperi (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 curtipendula (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 schimperi (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 tortidonitum (Blockeel, 2003)
Oxyrrhynchium hians (Bilewsky, 1961)
Oxyrrhynchium speciosum (Koppe, 1976)
Palustriella commutata (Blockeel et al., 2007a)
Pleuriidium acuminatum (Townsend, 1965)
Pohlia wahlenbergii var. *calcareia* (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 catarinói (Frahm et al., 2009)
Zygodon rupestris (Blockeel, 2003)

DZ – ALGERIA

Aloina brevirostris (Gallego et al., 1999)
Amblystegium serpens (Feldman, 1947)
Antitrichia curtipendula (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 teretinervis (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 tenerima (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)
Pleuridium 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 multicapsularis (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 eurystomum subsp. *acuminatum* (Imam & Ghabbour, 1972)
Physcomitrium immersum (Shabbara, 1999)
Plaubelia sprengelii (Shabbara, 2006)
Pleuridium 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)
Hennediella 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 siccus (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 uncinatum (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 weigeli (Taylor, 1952)
Calliergon 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 (Haussknecht, 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 tortidonitium (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)
Pseudephemerum 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)
Molendia hornschuchiana (Dalla Torre & Sarnthein, 1904)
Molendia 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 tromsoeense (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)
Dialytichia 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 rhabdocarpa var. *rhabdocarpa* (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 hornschruchianum (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 cribrosus (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)
Hyocomium armoricum (Ros *et al.*, 2000)
Hypnum pallescens (Jelenc, 1955)

Leptobryum pyriforme (Jelenc, 1955)
Microbryum rectum (Jelenc, 1955)
Mnium thomsonii (Maire, 1934)
Molendoa hornschiuchiana (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)
Pseudephemerum 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 ruderae (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)
Dialytichia 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 (Martinčič, 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)
Molendoea sendmeriana (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 curvicolium (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)
Campylium stellatum (Sérgio, 1968-1969)
Campylostelium pitardii (Sérgio *et al.*, 1988)
Cyclodictyon laetevirens (Machado, 1932)
Dichodontium pellucidum (Vieira *et al.*, 2007)
Didymodon australasiae (Sérgio & Pistor, 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 duriiai (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 laxefilamentosum (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)
Eurhynchiastrium 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 curvicolium (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 sendtneri (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 rhaptopcarpa (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 lisae (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)
Timmia barbuloidea (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 condensa (Brown, 1937)
Weissia controversa (Brown, 1937)

TU – TUNISIA

Aloina brevirostris (Gallego *et al.*, 1999)
Amblystegium serpens (Thériot, 1909)
Brachymenium commutatum (Bizot, 1931)
Brachytheciastrum velutinum var. *salicinum* (Thériot, 1909)
Bryoerythrophyllum recurvirostrum (Jelenc, 1955)
Calliergonella 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 raptocarpa 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 & Herrnsstadt, 2004)
Bryum klinggraeffii (Uyar & Çetin, 2001)
Bryum riparium (Çetin & Yurdakulol, 1985)
Bryum ruderales (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 jenneri* (Abay & Çetin, 2003)
- Cynodontium polycarpon* (Walther, 1967)
- Cynodontium strumiferum* (Çetin & Yurdakulol, 1985)
- Cynodontium tenellum* (Çetin, 1988a)
- Dicranella rufescens* (Yayınış *et al.*, 1996)
- Dicranella subulata* (Schiffner, 1913)
- Dicranum flexicaule* (Uyar *et al.*, 2008)
- Dicranum fragilifolium* (Uyar *et al.*, 2008)
- Dicranum fulvum* (Henderson, 1958)
- Dicranum leioneuron* (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)
- Ditrichum gracile* (Çetin, 1988a)
- Drepanocladus longifolius* (Henderson, 1957)
- Drepanocladus lycopodioides* (Çetin & Yurdakulol, 1985)
- Drepanocladus trifarius* (Batan & Özdemir, 2008)
- Encalypta microstoma* (Blockeel *et al.*, 2007a)
- Encalypta raptocarpa* 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-Yayınış & Allen, 2009)
- Fissidens gracilifolius* (Çetin, 1988a)
- Fissidens monguillonii* (Çetin, 1988b)
- Fissidens osmundoides* (Tonguç-Yayınış & 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-Yayınış, 2009a)
- Grimmia crinitoleucophaea* (Muñoz & Pando, 2000)
- Grimmia meridionalis* (Tonguç-Yayınış, 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)
- Lescurea mutabilis* (Handel-Mazzetti von, 1909)
- Lescurea 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 warnstorfii (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 Herrnstadt & 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. besserii* 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 trabutii* 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* Mull. 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, Subsaharan 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 Aigoin *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 *fluvatile*, 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 Höhnelt (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 sciuroides* var. *morensis* (Schwägr.) Kindb. should be considered a synonym of *Leucodon sciuroides* var. *sciuroides*.
- [55] The genus *Microeurhynchium* was created by Aigoin *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. recurvifolius* 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), *Pleuroidium 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 Aigoin *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 rusciforme* 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 found 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 agaszii* 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. *gemiclada* 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* Renauld in Jelenc was described from Algeria but its identity has not been revised since. *Rhynchostegium megapolitanum* var. *hygrophyllum* Renauld 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] *Thamnium alopecurum* var. *decipiens* 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] *Pleurodium 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* Renauld (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. *teretinnervioides* Meyl. remains unknown. Blom (1996) stated that he could not study the type, and Meylan's material in LAU named var. *teretinnervioides* 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. *teretinnervioides*).
- [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* Mazzari *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. *pseudodecipiens* (J.J. Amann) Ochyra (= *Cratoneuron commutatum* var. *pseudodecipiens* 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 *Imbriobryum 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 ruderae* Bruch & Schimp. *nom. nud.* (reported from Madeira) is distinct from the American *B. ruderae* (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 *Thamnium 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 *Thamnium cossyrense* Bott. from Pantelleria Island (Italy) and *T. cossyrense* var. *melitense* Bott. from Malta. Sommier (1916) reported *Thamnium 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 sendtneri* and *T. cossyrense* var. *melitense* with *Scorpiurium circinatum*. The statement of Frahm & Lüth (2008) that Mastracci (2001) synonymised both *Thamnium cossyrense* and *T. cossyrense* var. *melitense* with *Scorpiurium circinatum* is incorrect. Therefore *Scorpiurium sendtneri* 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] *Brachytheciastrum 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] *Myrinia 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 *Imbriobryum alpinum*. This single report requires verification.
- [357] *Imbriobryum 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 (Kyryk 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 Begdag; 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.) Kocz. 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. *obtusa* 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. *obtusa* 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 vahlana* 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] *Pleuridium 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 “*durieu*”, and combinations based on, need to be changed to “*duriae*”, 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 bescherelei* 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 & Seville 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] *Pleuroidium 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 on 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.

Acknowledgements. We thank several bryologists who have helped us to solve some taxonomic uncertainties or have provided literature references. Among them special thanks are addressed to Lars Hedenäs, David T. Holyoak, Denis Lamy, Marshal R. Crosby and Jesús Muñoz. We also thank Mahmoud Magdy (University of Murcia) for his help with computer resources and issues and Jan Kučera for the detailed and very valuable correction of a previous version of the manuscript. One of the co-authors, Tom Blockeel, made an additional contribution by revising the English language of the manuscript. This work has been carried out with financial support from the Spanish Ministry of Science and Innovation (Projects CGL2008-00275/BOS and CGL2011-22936/BOS) and co-funded with FEDER program from the EU.

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. *Taeckholmia* 21: 81-90.
- ABOU SALAMA U.Y. & EL-SAADAWI W.E., 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. *Taeckholmia* 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. & VONDRAČEK M., 1975 — A Moss Flora of Iraq. *Feddes Repertorium* 86: 341-489.
- AHAYOUN K., OUZZANI TOUHAM I., 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. *Boccone* 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* Thér. 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., BLOCKEEL 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 — Mousses africaines récoltées par M. Dénes Balázs. *Acta botanica academicae 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-UCHYRA 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. *Bocconeia* 16: 105-113.
- BLOCKEEL T.L., BEDNAREK-UCHYRA 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-UCHYRA H., OCHYRA R., ČETIN B., KEČELI 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-UCHYRA 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-UCHYRA H., OCHYRA R., HÁJKOVÁ P., HÁJEK M., KUČERA J., KÜRSCHNER H., MÜLLER F., OLIVÁN G., PAROLLY G., PORLEY R.D., RAMS S., SENECA 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-UCHYRA H., UCHYRA R., DÜZENLİ A., ERDAĞ A., ERZBERGER P., EZER T., HESPAÑOL 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-UCHYRA H., UCHYRA R., GARILLETI R., GLIME, J.M., LARA, F., MAZIMPAKA V., RUSÍNSKA 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-UCHYRA H., UCHYRA 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-UCHYRA H., UCHYRA R., ÇETİN B., CYKOWSKA B., FUERTES E., HESPAÑOL H., HOLYOAK D.T., HRADÍLEK Z., KEÇELİ 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-UCHYRA H., UCHYRA R., BUCK W.R., CHOI S., CYKOWSKA B., ERDAĞ A., ERZBERGER P., KIRMACI M., KÜRSCHNER H., LÉBOUVIER M., PAPP B., SABOVLJEVIĆ M., ŠABOVLJEVIĆ 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-UCHYRA H., UCHYRA 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-UCHYRA H., UCHYRA 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-UCHYRA H., CYKOWSKA B., UCHYRA 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 — Sfgnologia 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 — *Muscinées 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.) Ochrya 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, Tetraphidales, 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, Tetraphidales, 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, Tetraphidales, 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 Barcinonensis* 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., HEDENÄS 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 — *Briòfitos 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: Kuhn 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. & BRUGUÉS 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. *Buxbaumiella* 64: 11-27.
- DRAGIĆEVIĆ S. & VELJIĆ M., 2006 — *Bryophyte survey of Montenegro*. Podgorica, Prirodnački 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. & HEDÉNÁS 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 S., 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. & BARRATTE G., 1910 — *Florae Libycae Prodrum 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. *Taeckholmia* 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., KRUIER 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., LEBOUVIER M., MOHAMED H., ORGAZ J.D., PHEPHU N., VAN ROOY J., STEBEL A., SUÁREZ G.M., SCHIAVONE M.M., TOWNSEND C.C., VÁŇA J., VONCINA 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., LEBOUVIER M., NATCHEVA R., PÓCS T., PORLEY R.D., SÉRGIO C., SIM-SIM M., SMITH V.R., SÖDERSTRÖM L., ȘTEFĂNUȚ 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., ȘTEFĂNUȚ 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.

- ERDAĞ A. & KÜRSCHNER H., 2005 — *Didymodon bistratosus* Hébrard & Pierrot (Pottiaceae, Bryopsida), a new record to the bryophyte flora of Turkey. *Cryptogamie, Bryologie* 26: 233-236.
- ERDAĞ 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.
- ERDAĞ 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. *Sivdia botanica* 7: 187-207.
- FIFE A.J., 1982 — Taxonomic and nomenclatural observations on the Funariaceae. 2 Lectotypication of *Physcomitrium* subg. *Cryptopyxis* (C. Müll.) Broth. *Lindbergia* 8: 75-76.
- FILIPPELO 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. & SABOVLJEVIĆ 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.

- FUERTES 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.
- FUERTES LASALA E., 1987 — *Desmatodon heimii* (Hedw.) Mitt., in the Iberian Peninsula. *Cryptogamie, Bryologie-Lichénologie* 8: 147-148.
- FUERTES 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, Príncipe, 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. & MAZIMPAGA 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.) Kligger. 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 — Grimmias of the world. <http://www.grimmiasoftheworld.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 florae rumelicae et bithynicae 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. & GALLEGU 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. & GALLEGO, 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., GALLEGO 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 (Ionean 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. & BLOCKEEL 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 (Musi) 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.
- HESPAÑOL 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., GALLEGÓ 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 I*, 104: 297-336.
- HOLMEN K. & RASMUSSEN K., 1971 — *Madeira mosses, 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 (Musi), 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.
- JIMÉNEZ 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 Cypern, 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. & DÜZENLİ 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. & ÇETİN M., 2009 — Two new records to the bryophyte flora of Turkey: *Crossidium crassinerve* (De Not.) Jur. and *C. laxefilamentosum* 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. *Myrinia* 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.
- LACOIQUETA 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.
- LORET 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. & MONTERRAT 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 Salmanticenses. *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 — *Cinclidotus 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 científicos da academia polytechnica do Porto* 9: 135-140.
- MACHADO A., 1917 — Notes de Bryologie portugaise. *Boletim da sociedade Portuguesa de ciências 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.
- MARTINČIČ A., 2003 — List of the Slovenian mosses. *Hacquetia* 2 (1): 91-166.
- MARTINČIČ 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: Neckeraeae): 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-BOUATTOUT 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-BOUATTOUT A., BOTTOLIER-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 Rohlf'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 & Seville (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-UCHYRA 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*. Forlì.
- 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.
- PERICÀS J., 2008 — New bryophyte records of the Balearic Islands. *Cryptogamie, Bryologie* 29: 99-102.
- PERICÀS 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 östlichen Mittelmeergebietes. *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., SABOVLJEVIĆ M., SÉRGIO C., SHABBARA H.M., SIM-SIM M. & SÖDERSTRÖM L., 2007a — Hepatics and Anthocerotales 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. Briòfitos nous 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., ERDAĞ 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 — *Dialytichia 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. & MUNÖZ 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. *maderense* 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. *Taeckholmia* 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. *Taeckholmia* 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 — *Florae Graecae Prodrum, 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.
- SBOOKLER 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 Orphanotropei, 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 haplolepidaceous 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 pyriterum* 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., GONZÁLEZ-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. *obtusifolium* (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 (Kirkclareli) Mountains in Turkey. *Journal of the faculty of science, Ege University*, Ser. B 19: 33-45.
- YIANNITSAROS A. & KOUMPLI-SOAVANTZI 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.
- ZIMMITI 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.