

Tropical Bryology Research *Reports*

No. 9

http://rbg-web2.rbge.org.uk/bbs/Activities/tbg/resources_lit_africa.htm

2018

Checklist and distribution of the liverworts and hornworts of sub-Saharan Africa, including the East African Islands

(edition 4, 25 June 2018)

Martin J. Wigginton
36, Big Green, Warmington, Peterborough, PE8 6TU, U.K.

25 June 2018

Author: Martin J. Wigginton

Copyright © 2018
Date of publication: 25 June 2018

Printed in United Kingdom

All rights reserved. No part of this journal may be reproduced by film, microfilm or other means without written permission from the publisher

Checklist and distribution of the liverworts and hornworts of sub-Saharan Africa, including the East African Islands

(edition 4, 25 June 2018).

Martin J. Wigginton

36, Big Green, Warmington, Peterborough PE8 6TU, U.K. m.wigginton868@btinternet.com

Abstract. The distribution by country or other geopolitical area is provided for each of the 1118 accepted hornwort and liverwort taxa reported from sub-Saharan Africa (i.e. *Index Muscorum* regions Afr 2, Afr 3 and Afr 4, excluding the part of Afr 4 to the south of South Africa). All country records are supported by at least one literature reference, and the number of taxa recorded for each country is given. Synonyms with their owning taxa are intercalated alphabetically in the list.

Introduction

Catalogues of the Hepaticae and Anthocerotae have been published for the East African Islands in Grolle (1995) and for the rest of sub-Saharan Africa, including Atlantic Ocean islands and Socotra in Wigginton & Grolle (1996). A similar checklist of the bryophytes of North Africa was published by Ros *et al.* (1999). These catalogues and checklist sought to bring together published records of liverworts for the three geographical areas, and provided for each accepted taxon at least one literature reference for each of the countries in which it had been recorded. Together they summarised current knowledge of the distribution of liverworts throughout the continent. The catalogues of Grolle, 1995 (1) and Wigginton & Grolle, 1996 (2) included original sources for most of the individual country records and Grolle (1995), in particular, provided essential notes on selected genera, on many excluded taxa, and information on types.

Since the publication of the East African Islands and sub-Saharan African Catalogues, a considerable bulk of new data on the liverworts and hornworts of these regions has been published, and this provided the stimulus to produce a new checklist. Editions were produced in 2002, 2004 and 2009, the present checklist being the fourth edition.

The area covered by this checklist includes all of the *Index Muscorum* regions Afr 2, Afr 3 and Afr 4 (Wijk *et al.* 1959-1969), except for the following areas:

1) Western Sahara, whose floristic affinities are North African. There are, however, no hornworts or liverworts recorded from that geographical region.

2) the part of Afr 4 which lies to the south of the African mainland (south of latitude 35°S). This area encompasses cool-temperate and subantarctic islands from St. Paul and Amsterdam islands in the southern Indian Ocean to the Tristan da Cunha group in the southern Atlantic, whose floristic affinities are more antipodal than continental African. A catalogue of the liverworts of the whole of this area was published by Grolle (2002), and a flora of the Tristan da Cunha Group of islands by Váňa & Engel (2013).

The Catalogues (1) and (2) provided the main bases for the present checklist, and most country records are referred to those publications, which should be consulted for details of primary literature. In the years since the catalogues appeared, many new publications have provided additional country records and new taxa and synonymy, the latter being listed in the Appendices in editions 1, 2 and 3 of this checklist. Those editions also correct errors in (2), reassign taxa according to recent taxonomy, assign to Eritrea some records for Ethiopia cited in Gola (1914b) and Cufodontis (1952).

The checklist is not a taxonomic document, and no new taxonomy is published here: it is merely a compilation of published records.

Edition 4, changes and comments

Since the publication of edn. 3 of the African checklist (Wigginton 2009), taxonomic revisions have resulted in the recognition of new families and new or resurrected genera and species, and a rather substantial re-assignment of species.

The arrangement of families and genera, and accepted names of species and the authorities of names follow the World Checklist of Liverworts and Hornworts (Söderström, Hagborg, von Konrat, *et al.*, 2016), except where subsequent publications required further change, and in a very few instances, where the taxonomy is uncertain (see notes in the main checklist). Confidence levels for taxa are those shown in Söderström, Hagborg, von Konrat, *et al.* (2016) with very few exceptions. The currently accepted taxonomic arrangement is shown in the Synopsis of families and genera (p. 6-8).

New regional records are added, and additional notes are appended to some species, many of which have been summarised from those provided in Grolle (1995) and Wigginton & Grolle (1996). Some synonymies and the spelling of some names (e.g. *Drepanolejeunea physifolia*) are corrected, and overlooked names added (see Appendix 1).

Endemic (presumed endemic) species are indicated by an ☎ symbol following the taxon name.

The abbreviation for the Democratic Republic of the Congo has been changed from ZAI to DRC, and in Appendix 3 the number of taxa is given for the countries of Equatorial Guinea, São Tomé and Príncipe, and South Sudan. Map 1 now shows the boundary of the new country of South Sudan (SSD), and two records previously placed under SUD have been reassigned.

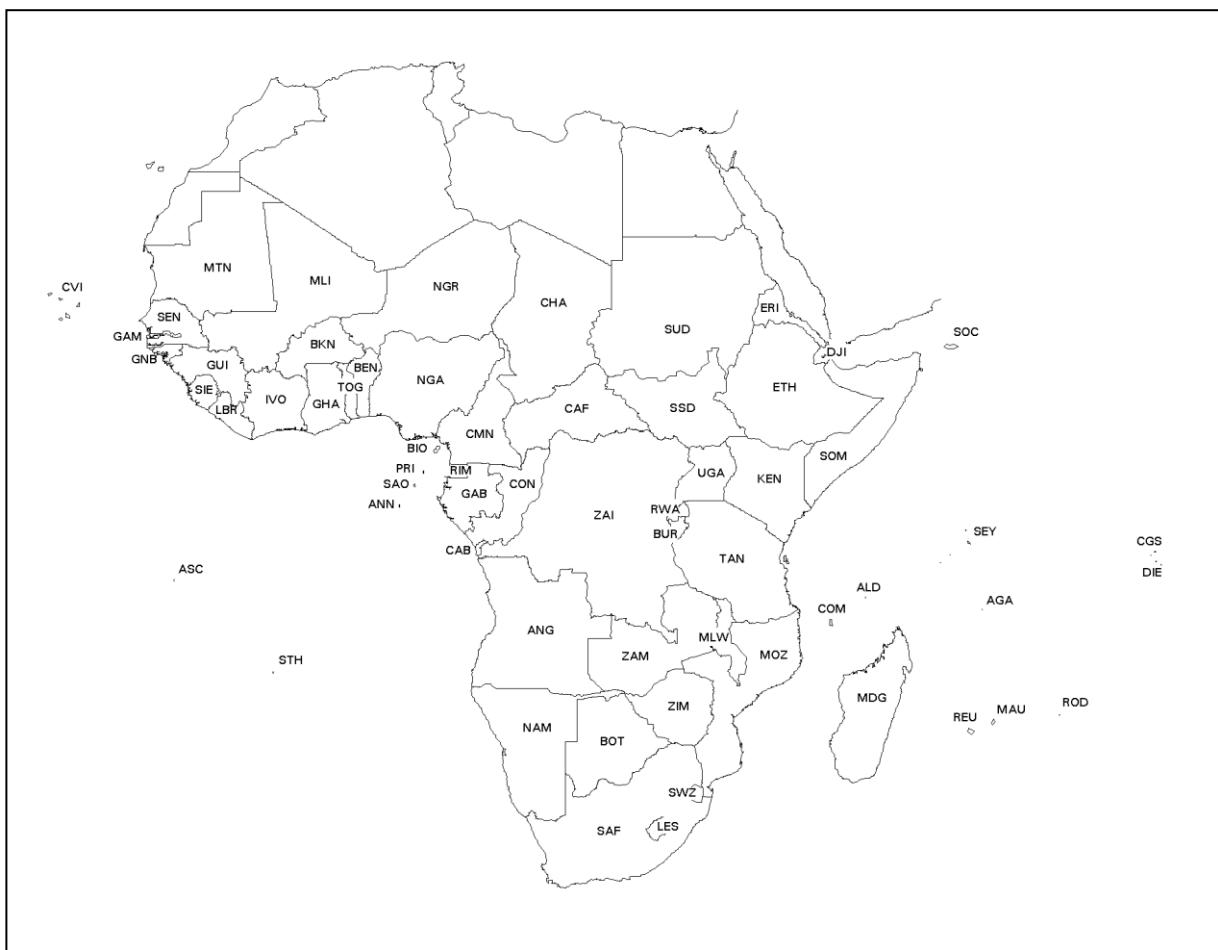
Finally, it is emphasised that this document is merely a compilation of published records, and whilst the citation of this checklist in bibliographies or reference lists is welcomed, neither the checklist nor its author should be cited as supporting or rejecting any particular position on taxonomy or nomenclature. For this, the original literature source should be cited.

Acknowledgements

The style of this checklist follows that developed by Brian O'Shea for his moss checklists, the first of which was published twenty-three years ago (Checklist of the mosses of sub-Saharan Africa, O'Shea 1995), with subsequent versions published in 1997, 1999, 2003 and O'Shea (2006) under the new journal title, *Tropical Bryology Research Reports*. I am also indebted to Brian O'Shea for his careful reading of previous editions of the liverworts checklist and the detection of errors. Many thanks also to Tamás Pócs for informing me of some literature, country records and synonymy that I had overlooked; to Lars Söderström for alerting me to some overlooked publications; to Anders Hagborg for helpful data and comments.

Any errors that remain in this checklist are, of course, entirely the responsibility of the author.

Map1. The countries of Index Muscorum regions Afr 2, Afr 3 and Afr 4 covered in this checklist.



AGA	Agalega Islands	DJI	Djibouti	NGR	Niger
ALD	Aldabra	DRC	Democratic Repub-lic of the Congo	PRI	Príncipe
ANG	Angola	ERI	Eritrea	REU	Réunion
ANN	Annobón Island	ETH	Ethiopia	RIM	Rio Muni
ASC	Ascension Island	GAB	Gabon	ROD	Rodrigues
BEN	Benin	GAM	Gambia	RWA	Rwanda
BIO	Bioko (Fernando Po).	GHA	Ghana	SAF	South Africa
BKN	Burkina Faso	GNB	Guinea Bissau	SAO	São Tomé
BOT	Botswana	GUI	Guinea	SEN	Senegal
BUR	Burundi	IVO	Ivory Coast	SEY	Seychelles
CAB	Cabinda	KEN	Kenya	SIE	Sierra Leone
CAF	Central African Re-public	LBR	Liberia	SOC	Socotra
CGS	Chagos Archipelago	LES	Lesotho	SOM	Somalia
CHA	Chad	MAU	Mauritius	SSD	South Sudan
CMN	Cameroon	MDG	Madagascar	STH	St. Helena
COM	Comoro Islands (including Mayotte)	MLI	Mali	SUD	Sudan
CON	Congo-Brazzaville	MLW	Malawi	SWZ	Swaziland
CVI	Cape Verde Islands	MOZ	Mozambique	TAN	Tanzania
DIE	Diego Garcia	MTN	Mauritania	TOG	Togo
		NAM	Namibia	UGA	Uganda
		NGA	Nigeria	ZAM	Zambia
				ZIM	Zimbabwe

Synopsis of families and genera

Families are arranged alphabetically within each order or sub-order. The placement of liverwort genera follows follows Söderström, Hagborg, von Konrat *et al.* (2016), except for more recent amendments. The numbers of taxa in genera in this synopsis include doubtful taxa to which the confidence level of a single asterisk is applied. However, they exclude those qualified only by sp., spp., aff., cf. and sens. lat.

The 1118 species + taxa below species level are assigned to 157 genera in 58 families:

Anthocerotophyta: 4 families, 7 genera and 46 species + taxa below species level

Marchantiophyta: 54 families, 151 genera and 1072 species + taxa below species level

The numbers in brackets against each genus indicate the number of taxa currently accepted within the genus. The numbers in a small font refer to the African *Index Muscorum* region(s) in which the genus has been recorded. One family (Wiesnerellaceae) and 9 genera (*Amazoopsis*, *Allisoniella*, *Bryopteris*, *Denotarisia*, *Geocalyx*, *Otolejeunea*, *Symbiezidium*, *Wiesnerella*, *Xylolejeunea*) have been recorded in sub-Saharan Africa only from the East African Islands (Afr 3).

Since the publication of the 3rd edition of this checklist, newly recognised families are: Anastrophyllaceae, Corsiniaceae, Lophoziaceae, Notoscyphaceae, Solenostomataceae, Southbyaceae and Stephaniellaceae. Chonecoleaceae is merged into Cephaloziellaceae (Patzak *et al.* 2016), and Exomortheacae into Corsiniaceae (Long *et al.* 2016). New generic names to the African list are *Afroriccardia*, *Allorgella*, *Anastrophyllopsis*, *Cryptolophocolea*, *Dibrachiella*, *Fuscocephaloziopsis*, *Lophonardia*, *Lophoziopsis*, *Myriocoleopsis*, *Neolepidozia* and *Neurolejeunea*. The genera *Capillolejeunea*, *Clevea*, *Isopaches*, *Lophocolea*, *Pseudomarsupidium*, *Sphenolobus* and *Spruceanthus* are reinstated. The genera *Cladolejeunea*, *Cryptochila*, *Evansiolejeunea*, *Gottschea*, *Iwatsukia*, *Jamesoniella*, *Marsupidium*, *Mastigolejeunea* and *Tylimanthus* are reduced to synonymy. African species of *Chiloscyphus* (except one), *Harpalejeunea* and *Omphalanthus* are assigned to other genera. A few species remain assigned to the synonymised generic names *Aphanolejeunea*, *Fimbraria*, *Hygrolejeunea*, *Strepsilejeunea*, *Taxilejeunea* and *Thysanolejeunea* since their status is not yet resolved.

DIVISION ANTHOCEROTOPHYTA (HORNWORTS) CLASS ANTHOCEROTOPSISDA

ORDER ANTHOCEROTALES		<i>Phymatoceros</i> (1) ²
Family Anthocerotaceae	Family Dendrocerotaceae	
<i>Anthoceros</i> (21) ^{2 3 4N}	<i>Dendroceros</i> (7) ^{2,3}	
<i>Folioceros</i> (3) ^{2 3}	<i>Megaceros</i> (1) ²	ORDER NOTOTHYLADALES
ORDER DENDROCEROTALES		Family Notothyladaceae
	ORDER PHYMATOCERALES	<i>Notothylas</i> (5) ²
	Family Phymatocerotaceae	<i>Phaeoceros</i> (8) ^{2 3 4N}

DIVISION MARCHANTIOPHYTA (HEPATICAES, LIVERWORTS). CLASS HAPLOMITRIOPSIDA

Subclass Haplomitriidae

ORDER CALOBRYALES

Family Haplomitriaceae
<i>Haplomitrium</i> (2) ^{2 4N}

CLASS JUNGERMANNIOPSIDA

Subclass Jungermanniidae	Family Adelanthaceae	<i>Anastrophyllum</i> (2) ^{2 3 4N}
ORDER JUNGERMANNIALES	<i>Adelanthus</i> (1) ^{2 3 4N}	<i>Isopaches</i> (1) ²
SUBORDER Cephaloziineae	<i>Pseudomarsupidium</i> (1) ^{2 3 4N}	<i>Plicanthus</i> (3) ^{2 3 4N}
	Family Anastrophyllaceae	<i>Sphenolobus</i> (1) ²
		<i>Sphenolobopsis</i> (1) ²

<i>Tetralophozia</i> (1) ²	Family Southbyaceae <i>Gongylanthus</i> (4) ^{2 3 4N} <i>Southbya</i> (1) ²	<i>Allorgella</i> (2) ³ [<i>Aphanolejeunea</i> (1)] ² <i>Capillolejeunea</i> (2) ³ <i>Ceratolejeunea</i> (12) ^{2 3 4N} <i>Cheilolejeunea</i> (35) ^{2 3 4N} <i>Cololejeunea</i> (120) ^{2 3 4N} <i>Colura</i> (24) ^{2 3 4N} <i>Diplasiolejeunea</i> (34) ^{2 3 4N} <i>Drepanolejeunea</i> (19) ^{2 3 4N} <i>Haplolejeunea</i> (2) ^{2 3} [<i>Hygrolejeunea</i> (2)] ² <i>Lejeunea</i> (64) ^{2 3 4N} <i>Lepidolejeunea</i> (3) ^{2 3} <i>Leptolejeunea</i> (7) ^{2 3} <i>Metalejeunea</i> (1) ^{2 3} <i>Microlejeunea</i> (18) ^{2 3 4N} <i>Myriocoleopssis</i> (2) ^{2 3 4N} <i>Otolejeunea</i> (1) ³ <i>Prionolejeunea</i> (2) ^{2 3} <i>Pycnolejeunea</i> (1) ^{2 3} [<i>Strepsilejeunea</i> (1)] ² [<i>Taxilejeunea</i>] (3) ^{2 3 4N} <i>Xylolejeunea</i> (2) ³
Family Cephaloziaceae <i>Alobiellopsis</i> (2) ^{2 3 4N} <i>Cephalozia</i> (1) ^{2 3 4N} <i>Fuscocephaloziopsis</i> (3) ^{2 3 4N} <i>Odontoschisma</i> (3) ^{2 3 4N}	Family Stephaniellaceae <i>Stephaniella</i> (1) ^{4N}	
Family Cephaloziellaceae <i>Allisoniella</i> (1) ³ <i>Amphicephalozia</i> (2) ^{2 3} <i>Anastrophyllopsis</i> (2) ^{2 3} <i>Cephalojonesia</i> (1) ² <i>Cephaloziella</i> (17) ^{2 3 4N} <i>Chonecolea</i> (1) ² <i>Cylindrocolea</i> (8) ^{2 3 4N} <i>Gottschelia</i> (1) ^{2 3} <i>Gymnocoleopsis</i> (2) ^{2 4N} <i>Kymatocalyx</i> (4) ^{2 3} <i>Lophonardia</i> (2) ^{2 4N}	SUBORDER Lophocoleineae	
Family Jamesoniellaceae <i>Cuspidatula</i> (1) ^{2 3} <i>Denotarisia</i> (1) ³ <i>Syzygiella</i> (6) ^{2 3 4N}	Family Blepharostomataceae <i>Blepharostoma</i> (1) ²	Family Symbiezidiaceae <i>Symbiezidium</i> (2) ³
Family Lophoziaeae <i>Andrewsianthus</i> (2) ^{2 3} <i>Lophozia</i> (1) ² <i>Lophoziopsis</i> (1) ² <i>Tritomaria</i> (2) ^{2 4N}	Family Lepidoziaceae <i>Acromastigum</i> (1) ^{4N} <i>Amazoopsis</i> (2) ³ <i>Bazzania</i> (20) ^{2 3 4N} <i>Hyalolepidozia</i> (1) ^{4N} <i>Kurzia</i> (5) ^{2 3 4N} <i>Lepidozia</i> (13) ^{2 3 4N} <i>Neolepidozia</i> (1) ² <i>Paracromastigum</i> (1) ^{4N} <i>Psiloclada</i> (1) ^{4N} <i>Telaranea</i> (6) ^{2 3 4N}	subfamily Ptychanthoideae <i>Acrolejeunea</i> (5) ^{2 3} <i>Archilejeunea</i> (1) ² <i>Bryopteris</i> (1) ³ <i>Caudalejeunea</i> (10) ^{2 3 4N} <i>Dibrachiella</i> (6) ^{2 3 4N} <i>Frullanoides</i> (1) ^{2 3 4N} <i>Lopholejeunea</i> (21) ^{2 3 4N} <i>Marchesinia</i> (6) ^{2 3} <i>Ptychanthus</i> (1) ^{2 3 4N} <i>Schiffneriolejeunea</i> (11) ^{2 3 4N} <i>Spruceanthus</i> (3) ^{2 3} <i>Thysananthus</i> (8) ^{2 3 4N} [<i>Thysanolejeunea</i>] (1) ²
SUBORDER Jungermanniineae	Family Lophocoleaceae [<i>Chiloscyphus</i> (1)] ³ <i>Clasmatocolea</i> (2) ^{2 3 4N} <i>Conoscyphus</i> (1) ^{2 3} <i>Cryptolophocolea</i> (3) ^{2 3 4N} <i>Heteroscyphus</i> (5) ^{2 3 4N} <i>Leptoscyphus</i> (4) ^{2 3 4N} <i>Lophocolea</i> (15) ^{2 3 4N}	SUBORDER Porelliineae
Family Scapaniaceae <i>Diplophyllum</i> (1) ² <i>Scapania</i> (4) ^{2 4N}	Family Mastigophoraceae <i>Mastigophora</i> (1) ^{2 3}	Family Porellaceae <i>Porella</i> (14) ^{2 3 4N}
SUBORDER Jungermanniineae	Family Plagiochilaceae <i>Plagiochila</i> (77) ^{2 3 4N}	SUBORDER Radulineae
Family Acrobolbaceae <i>Acrobolbus</i> (5) ^{2 3 4N} <i>Lethocolea</i> (1) ^{2 3 4N}	SUBORDER Perssoniellineae	Family Radulaceae <i>Radula</i> (23) ^{2 3 4N}
Family Antheliaceae <i>Anthelia</i> (1) ²	Family Schistochilaceae <i>Schistochila</i> (6) ^{2 3 4N}	Subclass Metzgeriideae
Family Balantiopsaceae <i>Isotachis</i> (1) ^{2 3 4N}	ORDER PORELLALES	ORDER METZGERIALES
Family Calypogeiaceae <i>Calypogeia</i> (9) ^{2 3 4N} <i>Mnioloma</i> (2) ^{2 3 4N}	SUBORDER Jubulineae	Family Aneuraceae <i>Afroriccardia</i> (1) ^{2, 3} <i>Aneura</i> (6) ^{2 3 4N} <i>Riccardia</i> (12) ^{2 3 4N}
Family Geocalycaceae <i>Geocalyx</i> (1) ³	Family Frullaniaceae <i>Frullania</i> (54) ^{2 3 4N}	Family Metzgeriaceae <i>Metzgeria</i> (11) ^{2 3 4N}
Family Gymnomitriaceae <i>Gymnomitrion</i> (4) ^{2 3 4N} <i>Marsupella</i> (2) ^{2 4N} <i>Nardia</i> (1) ^{2 3}	Family Lejeuneaceae subfamily <i>Lejeuneoideae</i> tribe <i>Brachiolejeuneeae</i> <i>Acanthocoleus</i> (4) ^{2 3 4N} <i>Brachiolejeunea</i> (2) ^{2 3 4N} <i>Neurolejeunea</i> (1) ² <i>Odontolejeunea</i> (1) ^{2 3} <i>Stictolejeunea</i> (1) ^{2 3}	ORDER PLEUROZIALES
Family Jungermanniaceae <i>Jungermannia</i> (1) ^{2 4N}	tribe <i>Lejeuneae</i>	
Family Notoscyphaceae <i>Notoscyphus</i> (1) ^{2 3 4N}		
Family Solenostomataceae <i>Solenostoma</i> (10) ^{2 3 4N}		

Family Pleuroziaceae <i>Pleurozia</i> (1) ^{2 3}	SUBORDER Fossombroniineae Family Fossombroniaceae <i>Fossombronia</i> (30) ^{2 3 4N}	<i>Symphyogyna</i> (3) ^{2 3 4N} <i>Symphyogynopsis</i> (1) ^{2 3}
Subclass Pelliidae		ORDER PELLIALES
ORDER FOSSOMBRONIALES	ORDER PALLAVICINIALES	
SUBORDER Calyculariineae	SUBORDER Pallaviciniineae	Family Pelliaceae <i>Pellia</i> (1) ²
Family Caliculariaceae <i>Calicularia</i> (1) ²	Family Pallaviciniaceae <i>Jensenia</i> (1) ^{2 3 4N} <i>Pallavicinia</i> (2) ^{2 3 4N}	

CLASS MARCHANTIOPSIDA

Subclass Marchantiidae	<i>Clevea</i> (1) ² <i>Sauteria</i> (1) ^{4N}	<i>Ricciocarpos</i> (1) ^{2 4N}
ORDER LUNULARIALES	Family Cyathodiaceae <i>Cyathodium</i> (3) ^{2 3 4N}	Family Targioniaceae <i>Targionia</i> (5) ^{2 3 4N}
Family Lunulariaceae <i>Lunularia</i> (1) ^{2 3 4N}	Family Dumortieraceae <i>Dumortiera</i> (2) ^{2 3 4N}	Family Wiesnerellaceae <i>Wiesnerella</i> (1) ³
ORDER MARCHANTIALES	Family Corsiniaceae <i>Exormotheca</i> (3) ^{2 3 4N}	ORDER SPHAEROCARPALES
Family Aytoniaceae <i>Asterella</i> (12) ^{2 3 4N} <i>Cryptomitrium</i> (1) ^{4N} [<i>Fimbraria</i> (4) ²] <i>Mannia</i> (2) ^{2 4N} <i>Plagiochasma</i> (6) ^{2 3 4N} <i>Reboulia</i> (1) ²	Family Marchantiaceae <i>Marchantia</i> (16) ^{2 3 4N}	Family Monocarpaceae <i>Monocarpus</i> (1) ^{4N}
Family Cleveaceae [<i>Athalamia</i> (1) ²]	Family Oxymitraceae <i>Oxymitra</i> (2) ^{2 4N}	Family Riellaceae <i>Riella</i> (5) ^{4N}
	Family Ricciaceae <i>Riccia</i> (94) ^{2 3 4N}	Family Sphaerocarpaceae <i>Sphaerocarpos</i> (1) ^{4N}

The Checklist

The checklist is arranged in alphabetical order of taxon name, with accepted names shown in bold face italic font. Confidence levels, denoted by asterisks, have been applied to all accepted taxa, and are those that were established in the World checklist of hornworts and liverworts (Söderström, Hagborg & von Konrat, *et al.*, 2016), with very few exceptions (see Appendix 2). For a detailed explanation of the confidence coding, please refer to that publication. In summary,

- * a taxon where there are serious doubts about its value
- ** a taxon where there was deemed to be a 'knowledge problem' by the specialist evaluating it for the World checklist (2016). Some taxa that have been recently, and apparently well, described have nevertheless been placed in this confidence category. Often, the reason for this lower level is only that the evaluating specialist had no personal knowledge of the taxon.
- *** good taxa, based on personal experience of the evaluators of the various parts of the World checklist, or 'based on taxonomic revisions that [they considered] have been convincingly performed'.

A confidence level has not been applied in this checklist to taxa invalidly published, those compared to another taxon (aff. and cf.), or those identified to genus only.

Names placed in synonymy are indented and shown in a small italic font, together with the owning taxon and, in round brackets, a literature source for the synonymy. For synonyms, an = sign is used throughout, no distinction having been made between nomenclatural and taxonomic synonyms.

Endemic (presumed endemic) species are indicated by an Ⓡ symbol, and this has been applied to all endemic taxa shown in bold font irrespective of perceived status.

Comments are appended to some taxa, including where there has been an amendment to the distribution given in Grolle (1995) or Wigginton & Grolle (1996). The authorities of names follow the International Plant Names Index in the suppression of spaces between initial(s) and surname.

The countries, or sometimes constituent parts of a countries, in which each current taxon has been recorded are denoted by 3-character abbreviations which follow Brummitt (2001), with few exceptions. The name of the country and the *Index Muscorum* region to which it is assigned is shown in Appendix 3.

For ease of reference, the countries are listed in alphabetical order of the abbreviation, which means that some full names are slightly out of sequence - for example, Mauritius (MAU) being listed before Madagascar (MDG). Literature references are given in brackets after each country abbreviation, and are translated in the References and Literature sections following the alphabetical list.

ANTHOCEROTOPHYTA

- * ***Anthoceros aethyopicus*** Gola ② Known only from the type from Ethiopia (Gola 1914b). Generic placement to be re-assessed, the taxon described as having "frons haud cavernosa" and "sporae brunneolae".
- * ***Anthoceros brunnthalieri*** Steph. Known only from the type from Tanzania (Gola 1913a). An annotation on the type specimen as follows: "Type. The present species is synonymous with *Phaeoceros bulbiculosus* (Brot.) Steph. det. J. Hasegawa 1993". However, the synonymy has not been published.
- ** ***Anthoceros buettneri*** Steph. ② GHA(2), TOG(2). Listed in error from Sierra Leone in (2). An annotation by J. Hasegawa (1993) on the type specimen (G) from Togo as follows: "in this packet I found only solid thalli and broken, short capsules with yellowish spores. *Phaeoceros buettneri* (Steph.) comb. nov." However, the new combination has not been published.
Anthoceros capensis S.W.Arnell ex Bonner 1962 (979), ?nom. herb. Not mentioned in Arnell (1963) and treated here as a rejected name.
- *** ***Anthoceros caucasicus*** Steph. DRC(2), RWA(2864,2938), SIE(2).
Anthoceros chevalieri Steph. 1923 = *Anthoceros subtilis* Steph. 1916 (Villarreal *et al.* 2015).
Anthoceros communis Steph. 1897 = *Phaeoceros carolinianus* (Michx.) Prosk. 1951 (Hasegawa 1984).
- *** ***Anthoceros cristatus*** Steph. ② ASC(2,2664,3064,3065).
Anthoceros decurvus Mitt. 1860 = *Notothylas decurva* (Mitt.) Steph. 1901 (Stephani 1901a).
Anthoceros dichotomus Raddi 1818 = *Phaeoceros bulbiculosus* (Brot.) Prosk. 1954 (Grolle 1976b) = *Phymatoceros bulbiculosus* (Brot.) Stotler, W.T.Doyle et Crand.-Stotl. (Stotler *et al.* 2005).
Anthoceros dilatatus Steph. 1886 = *Folioceros dilatatus* (Steph.) J.C.Villarreal et Cargill 2015 (Villarreal *et al.* 2015).
- ** ***Anthoceros dimorphus*** Sim ② SAF(2), ZIM(2).
Anthoceros ecklonii Steph. 1916 = *Phaeoceros carolinianus* (Michx.) Prosk. 1951 (Arnell 1963).
- ** ***Anthoceros expansus*** (Steph.) J.C.Villarreal et Cargill ② CMN(2,2664).
Anthoceros flagellaris Mitt. 1873 = *Megaceros flagellaris* (Mitt.) Steph. 1916 (Hasegawa 1983).
Anthoceros floribundus Steph. - described from Ascension Island, and considered by Pressel *et al.* (2018) to be identical to *Phaeoceros evanidus* (Steph.) Cargill et Fuhrer, but not yet formally placed in synonymy.
Anthoceros fuciformis Mont. 1843 = *Folioceros fuciformis* (Mont.) D.C.Bharadwaj 1975 (Bharadwaj 1975).
Anthoceros fulvisporus Steph. 1916 = *Phaeoceros fulvisporus* (Steph.) J.Haseg. 1993 (Hasegawa 1993).
- *** ***Anthoceros fusiformis*** Austin MAU(1).
- ** ***Anthoceros gasongorii*** Gola ② Known only from the type from Kenya (Gola 1914a).
Anthoceros incurvus Steph.1893 = *Folioceros incurvus* (Steph.) D.C.Bharadwaj 1972 (Bharadwaj 1972).
Anthoceros javanicus Nees 1830 = *Dendroceros javanicus* (Nees) Nees 1846 (Hasegawa 1980).
- * ***Anthoceros jollyanus*** Steph. ② BIO(33,819), 'Guinea gallica' (2839). Status to be re-assessed.
Anthoceros laevis L. 1753 = *Phaeoceros laevis* (L.) Prosk. 1951 (Proskauer 1951).
Anthoceros mandonii Steph. 1916 = *Anthoceros caucasicus* Steph. 1914 (Sérgio 1987).
- * ***Anthoceros mildbraedii*** Steph. ② Known only from the type from Cameroun, and probably a species of *Phaeoceros*, since it is described it as having "frons solida .. sporae pallidae" (Stephani 1923). E.W. Jones (*in litt.* ca. 1990) considered it to be probably synonymous with *Phaeoceros carolinianus* (Michx.) Prosk.
Anthoceros minutus Mitt. 1877 = *Phaeoceros minutus* (Mitt.) S.W.Arnell (Arnell 1963).

- *** *Anthoceros myriandroecius* Steph. Ⓣ KEN(2,665), RWA(2,2572,2664,2864), TAN(2,2664), UGA(96,115).
- ** *Anthoceros natalensis* Steph. Ⓣ LES(75), MLW(2), SAF(2).
- * *Anthoceros parvifrons* Steph. Ⓣ TAN(2). An annotation on the type specimen (G) as follows:
"Type. *Phaeoceros parvifrons* (Steph.) comb. nov. det. J. Hasegawa 1993". However, the new combination has not yet been published.
- ** *Anthoceros pinnatus* Steph. Ⓣ CMN(2), SAO(2,2684), TAN(2).
- * *Anthoceros pseudocostus* Steph. Ⓣ Known only from the type from Madagascar (Stephani 1916). The spores are described as "pallidae" (Stephani 1916), hence probably a *Phaeoceros* species.
- *** *Anthoceros punctatus* L. BIO(1778), CVI(2,37), DRC(2), MDG(1,2664), RWA(2,2572,2864), SOC(764), TAN(2785).
- Anthoceros* aff. *punctatus* L. ZIM(9). This plant was published in During & Moyo (1999) as *Anthoceros* aff. *laevis*, but in error (pers. comm. H.J. During, 2002).
- * *Anthoceros rossii* Gola Ⓣ Known only from the type from Kenya (Gola 1914a). Probably a species of *Phaeoceros* as it is described as "frons haud cavernosa ... sporae flavescentes".
- *** *Anthoceros sambesianus* Steph. Ⓣ LES(75), MOZ(2839), REU(2129), RWA(2,2572,2864), UGA(115). In (2), the record of the type collection (G, and Stephani 1916) was erroneously listed under 'ZAM/ZIM'. However, the type location (*Sambesi River, Boroma*) is in Mozambique.
- ** *Anthoceros schroederi* Steph. Ⓣ Known only from the type from Tanzania (Stephani 1912d).
Anthoceros stuhlmannii Steph. 1916 = *Folioceros fuciformis* (Mont.) D.C.Bharadwaj 1975 (Hasegawa 1995).
Anthoceros tenuissimus Steph. 1893 = *Phaeoceros carolinianus* (Michx.) Prosk. 1951 (Villarreal et al. 2015).
- *** *Anthoceros subtilis* Steph. Ⓣ CAF(2,2664). Erroneously listed, as *A. chevalieri* Steph., from the Dem. Rep. Congo in (2) and subsequently.
Anthoceros tigrinus Gola 1914 = *Phaeoceros tigrinus* (Gola) J.C.Villarreal et Cargill 2015 (Villarreal et al. 2015).
Anthoceros usambarensis Steph. 1916 probably = *Phaeoceros carolinianus* (Michx.) Prosk. 1951 (Arnell 1963).
Anthoceros volkensii Steph. 1916 = *Anthoceros myriandroecius* Steph. 1911 (Villarreal et al. 2015).
- Anthoceros* sp. ROD(723).
- Anthoceros* sp. STH(2895). Described and illustrated in Wigginton (2012), but not named.
Aspiromitus dilatatus (Steph.) Steph. 1916 = *Anthoceros dilatatus* Steph. 1887 = *Folioceros dilatatus* (Steph.) J.C.Villarreal et Cargill 2015 (Villarreal et al. 2015).
Aspiromitus dismieri Steph. 1916 = *Anthoceros punctatus* L. 1753 (Villarreal et al. 2015).
Aspiromitus expansus Steph. 1916 = *Anthoceros expansus* (Steph.) J.C.Villarreal et Cargill 2015 (Villarreal et al. 2015).
Aspiromitus fuciformis (Mont.) Steph. 1916 = *Folioceros fuciformis* (Mont.) D.C.Bharadwaj 1975 (Grolle 1995).
Aspiromitus hildebrandtii Steph. 1916 = *Folioceros fuciformis* (Mont.) D.C.Bharadwaj 1975 (Villarreal et al. 2015).
Aspiromitus incurvus (Steph.) Steph. 1916 = *Anthoceros incurvus* Steph. 1893 (Bharadwaj 1972).
Aspiromitus maranguensis Steph. 1916 = *Phaeoceros maranguensis* (Steph.) Bapna 1967 (Bapna 1965).
Aspiromitus pinnatus (Steph.) Steph. 1916 = *Anthoceros pinnatus* Steph. 1887.
Aspiromitus schroederi Steph. 1916 = *Anthoceros schroederi* Steph. 1912.
- * *Dendroceros adglutinatus* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees Ⓣ STH(2,2359,2895).
- *** *Dendroceros africanus* Steph. Ⓣ ANN(2359), BIO(1778), CMN(2,2359), TAN(2).
Dendroceros cf. *africanus* MDG(2498).
- *** *Dendroceros borbonicus* Steph. MAU(1,2170), REU(1), SEY(1,108).
- *** *Dendroceros crispatus* Nees SAO(95,2452).
- ** *Dendroceros herasii* M.Infante Ⓣ ANN(2359), SAO(2359).
- *** *Dendroceros javanicus* (Nees) Nees TAN(2).
Dendroceros lacerus Nees 1846 = *Folioceros fuciformis* (Mont.) D.C.Bharadwaj 1975 (Grolle 1995).
- ** *Dendroceros paivae* C.Garcia, Sérgio et J.C.Villarreal Ⓣ SAO(2452).
- ** *Folioceros dilatatus* (Steph.) J.C.Villarreal et Cargill Ⓣ BIO(2,33,2664).
- *** *Folioceros fuciformis* (Mont.) D.C.Bharadwaj ANN(2,33), MAU(2170), MDG(1,2664), REU(1,2664), ROD(1), TAN(2).
- *** *Folioceros incurvus* (Steph.) D.C.Bharadwaj Ⓣ BIO(1778), CMN(2), PRI(2684,3050),

- SAO(2684,3052).
- *** ***Megaceros flagellaris*** (Mitt.) Steph. SAO(2452), TAN(2).
Megaceros lacerus (Nees) Steph. 1916 = *Folioceros fuciformis* (Mont.) D.C.Bharadwaj 1975 (Grolle 1995).
Notothylas angolensis Steph. 1917 = *Notothylas decurva* (Mitt.) Steph. 1901 (Jones 1985b).
- *** ***Notothylas decurva*** (Mitt.) Steph. Ⓢ ANG(2), CMN(2), GHA(2), NGA(2), SIE(2).
- *** ***Notothylas flabellata*** Steph. Ⓢ ANG(2), CMN(2), RWA(2572,2864). The record from Tanzania (Bizot *et al.* 1978) is probably another species, as the spores are reported to be yellow. *N. flabellata* may be synonymous with *N. levieri* (Hässel de Menendez, 1976).
- *** ***Notothylas indica*** Kashyap GHA(2,1998).
- *** ***Notothylas javanica*** (Sande Lac.) Gottsche GHA(1998), IVO(2).
Notothylas minuta (Mitt.) Steph. 1916 = *Phaeoceros minutus* (Mitt.) S.W.Arnell (Arnell 1963).
- *** ***Notothylas orbicularis*** (Schwein.) Sull. ex A.Gray DRC(1998), UGA(1998).
Notothylas sp. SIE(25,1998). E.W.Jones, in Wigginton (2004) considered the Sierra Leone plant may represent a new taxon, but that "its status must remain uncertain until more copious material becomes available".
Paraphymatoceros minutus (Mitt.) Hässel 2006 = *Phaeoceros minutus* (Mitt.) S.W.Arnell (Söderström, Haggborg, von Konrat *et al.* 2016).
- ** ***Phaeoceros bolusii*** (Sim) S.W.Arnell Ⓢ SAF(2), ZIM(2).
Phaeoceros bulbiculosus (Brot.) Prosk. 1954 = *Phymatoceros bulbiculosus* (Brot.) Stotler, W.T.Doyle et Crand.-Stotl. 2005 (Stotler *et al.* 2005).
- *** ***Phaeoceros carolinianus*** (Michx.) Prosk. ANG(2,2664), ASC(3065), BIO(1778), CMN(2), CVI(2,37), DRC(2), ETH(2), KEN(2), LES(75), MAU(2170), MDG(1), MLW(2,114), NAM(2), NGA(2), REU(1), ROD(723), RWA(2,2572,2864), SAF(2,75), SAO(2684,3052), SIE(2), STH(2,49,2895), TAN(2), UGA(2,96), ZIM(2).
- *** ***Phaeoceros evanidus*** (Steph.) Cargill et Fuhrer ASC (3065).
- *** ***Phaeoceros fulvisporus*** (Steph.) J.Haseg. RWA(2,2572,2864), SAF(2), TAN(2).
Phaeoceros jollyanus (Steph.) S.W.Arnell 1956, nom. inval. (Arnell 1956b) = *Anthoceros jollyanus* Steph. 1916 (cf. Arnell 1956).
- *** ***Phaeoceros laevis*** (L.) Prosk. ASC(3065). Probable introduction to Ascension (Pressel *et al.* 2018). Grolle (1995) considered that reports from Madagascar (Gottsche 1882; Stephan 1891a) and Rodriguez (Mitten 1878) are "unlikely to refer to *P. laevis* (L.) Prosk. in the modern sense", and he excluded the species from the region.
Phaeoceros laevis subsp. *carolinianus* (Michx.) Prosk. 1954 = *Phaeoceros carolinianus* (Michx.) Prosk. 1951 (Hasegawa 1993, Proskauer 1954).
- ** ***Phaeoceros maranguensis*** (Steph.) Bapna Briefly described, as *Aspiromitus maranguensis*, by Stephan (1916) from Kilimanjaro, Tanzania, the only collection. The species should probably be referred elsewhere.
- *** ***Phaeoceros minutus*** (Mitt.) S.W.Arnell Ⓢ SAF(2,2182), ZIM(2). The Zimbabwe collection requires confirmation.
- ** ***Phaeoceros tigrinus*** (Gola) J.C.Villarreal Ⓢ ETH(2,2664).
- *** ***Phymatoceros bulbiculosus*** (Brot.) Stotler, W.T.Doyle et Crand.-Stotl. CMN(2), ERI(2).

MARCHANTIOPHYTA

- *** ***Acanthocoleus aberrans*** (Lindenb. et Gottsche) Kruijt ANG(2), CMN(2,542), DRC(2,542), KEN(2), MDG(1,542), NGA(2,542), SAF(2), TAN(2,542), UGA(2,542), ZIM(2). Two varieties are recognised in the neotropics. African records may belong to var. *laevis* Gradst. (Gradstein 1994), but this is yet to be confirmed.
- *** ***Acanthocoleus chrysophyllus*** (Lehm.) Kruijt Ⓢ CMN(2), IVO(53), KEN(2), LES(75), NGA(2), RWA(2,2864), SAF(2,75), TAN(2), UGA(2), ZAM(2), ZIM(2).
- ** ***Acanthocoleus elongensis*** Gyarmati et Pócs Ⓢ UGA(2654).
- ** ***Acanthocoleus madagascariensis*** (Steph.) Kruijt Ⓢ BUR(2), COM(1), ETH(2345), GUI(2), MAU(1,2170), MDG(1,4,720), MOZ(2736), REU(1), RWA(2,2864), SAF(2), SIE(2), TAN(2), ZIM(2).

Acolea africana Steph. 1917 = *Marsupella africana* Steph. ex Bonner 1953 (Váňa 1985) = *Apomarsupella africana* (Steph. ex Bonner) R.M.Schust. 1996 (Schuster 1996) = *Gymnomitrion africanum* (Steph.) Horik. 1943 (Söderström, Hagborg, von Konrat et al. 2016).

Acolea lacerata Steph. 1917 = *Gymnomitrion laceratum* (Steph.) Horik. 1943 (Váňa 1985).

Acrobolbus bilobus (Mitt.) Steph. 1902 = *Andrewsianthus bilobus* (Mitt.) Grolle 1963 (Grolle 1963b).

Acrobolbus campylodontus (Hook.f. et Taylor) Steph. 1902 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Mitt 1864, Grolle 1972) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).

Acrobolbus madagascariensis Steph. 1902 = *Kymatocalyx madagascariensis* (Steph.) Gradst. et Váňa 1999 (Gradstein & Váňa 1999).

** ***Acrobolbus africanus*** (Pearson) Briscoe Ⓢ SAF(2). The plants from Knysna forest, South Africa, were considered to be perhaps a form of *Tylinanthus ruwenzorensis* by Jones (1981), but to belong to the *Tylinanthus tenellus* - *T. viridis* complex by Grolle (1995). The type was not studied by Burghardt & Gradstein (2008).

*** ***Acrobolbus anisodontus*** (Hook.f. et Taylor) Briscoe Ⓢ STH(2). The collections reported from St Helena in Müller 1999 (49) have been redetermined as *Pseudomarsupidium decipiens* (Hook.) Grolle.

Acrobolbus laxus (Lehm. et Lindenb.) Briscoe - see note under *Acrobolbus ruwenzoriensis* (S.W.Arnell) Briscoe.

*** ***Acrobolbus limbatus*** (Steph.) Briscoe et J.J.Engel MAU(1,2170), MLW(114), REU(1), SAF(2), TAN(2).

*** ***Acrobolbus ochrophyllus*** (Hook.f. et Taylor) R.M.Schust. SAF(2,451).

** ***Acrobolbus ruwenzoriensis*** (Lehm. et Lindenb.) Briscoe Ⓢ BIO(1718), COM(2366), ETH(2,2345), KEN(2), MLW(114), REU(1,4,2168), RWA(2,2864), TAN(2,2168), UGA(2,96,2168,2662). Jones & Harrington (1983) considered that a collection of *Tylinanthus* from Ghana could not be named with certainty. Burghardt & Gradstein (2008) placed *Tylinanthus ruwenzoriensis* S.W.Arnell in synonymy with *A. laxus* (Lehm., et Lindenb.) Briscoe, but Briscoe et al. (2015) recognised it as distinct.

* ***Acrolejeunea abnormis*** (Gottsche) Pearson The type (of *Phragmicomma abnormis* Gottsche) is from Madagascar, but its taxonomic status is uncertain, Treated as doubtful by Grolle (1995), and excluded from *Acrolejeunea* by Gradstein (1975).

Acrolejeunea africana Steph. 1912, nom. inval. Reported from Tanzania by Stephani (138). The identity of the taxon is uncertain, and the name is not mentioned by Gradstein (1975).

Acrolejeunea angustispica Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

*** ***Acrolejeunea aulacophora*** (Mont.) Steph. COM(1), MAU(1,2170), MDG(1), MOZ(2), REU(1), TAN(2). Listed in error from Uganda in (2).

Acrolejeunea borgenii Steph. 1892 = *Schiffnerolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein 1975).

Acrolejeunea confertissima Steph. 1892 = *Acrolejeunea emergens* (Mitt.) Steph. var. *confertissima* (Steph.) Gradst. 1975 (Gradstein 1975).

Acrolejeunea convexa Steph. 1911 = *Evansiolejeunea renistipula* (Steph.) Vanden Berghen 1948 (Vanden Berghen 1948c) = *Evansiolejeunea roccatii* (Gola) Vanden Berghen 1960 (Vanden Berghen 1960a) = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye et al. 2015).

*** ***Acrolejeunea emergens*** (Mitt.) Steph. var. *emergens* ALD(34,35), ANG(2), BEN(11), BUR(2), CAF(2), COM(1), CON(2,822), CVI(2,37), DRC(2), ETH(2345), GAB(2396), GHA(2,3013), GUI(2), IVO(2,53), KEN(2), MAU(1,4), MDG(1,720), MLW(2,563), NGA(2), PRI(2750), REU(1), RIM(10), ROD(1,723), RWA(2,2864), SAO(2374), SEN(2), SEY(1,4,2021), SIE(2), TAN(2), UGA(2,42,50,96), ZAM(2).

*** ***Acrolejeunea emergens*** (Mitt.) Steph. var. *confertissima* (Steph.) Gradst. Ⓢ CMN(2), NGA(2), RIM(10), SEN(2), SIE(2).

Acrolejeunea ferruginea Steph. 1895 = *Schiffnerolejeunea ferruginea* (Steph.) Gradst. 1974 (Gradstein 1974).

Acrolejeunea fulva (Gottsche) Pearson 1892 = *Phragmicomma fulva* Gottsche 1882 (Gradstein 1975) = *Schiffnerolejeunea pappeana* (Nees) Gradst. 1974 (Geissler & Gradstein 1994).

Acrolejeunea fuscescens Gola 1907 = *Leucolejeunea xanthocarpa* (Lehm. et Lindenb.) A.Evans 1907 (Gradstein 1975) = *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe 2009 (Malombe 2009).

Acrolejeunea inflexa (Gottsche) Pearson 1892 The type (of *Phragmicomma inflexa* Gottsche) is from Madagascar, but its taxonomic status is uncertain: treated as doubtful by Grolle (1995). Excluded from *Acrolejeunea* by Gradstein (1975).

Acrolejeunea molleri (Steph.) Paris 1906 = *Schiffnerolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1974).

- Acrolejeunea occulta* Steph. 1889, *nom. inval.* = *Schiffneriolejeunea occulta* (Steph.) Gradst. 1974 (Gradstein 1974).
- Acrolejeunea orchidae* Pearson 1922 = *Ptychocoleus molleri* (Steph.) Steph. (Vanden Berghe 1948a) = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1975).
- Acrolejeunea pappeana* (Nees) Schiffn. 1894 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein 1975).
- Acrolejeunea parviloba* Steph. Nov 1890 = *Schiffneriolejeunea parviloba* (Steph.) Gradst. 1974 (Gradstein 1974).
- Andrewsianthus perigonialis* (Hook.f. et Taylor) R.M.Schust. 1966. Excluded: reports from Africa are based on misidentifications (Váňa 1985).
- Acrolejeunea pusilla* Steph. 1908, *nom. nud.* [*non* (Steph.) Grolle et Gradst. 1974] = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).
- *** ***Acrolejeunea pycnoclada*** (Taylor) Schiffn. DRC(2), GHA(2), MDG(1), NGA(2), REU(1), SEY(1).
- Acrolejeunea renauldii* Steph. 1888, *nom. inval.* = *Acrolejeunea aulacophora* (Mont.) Steph. 1895 (Gradstein 1974, Gradstein 1975).
- Acrolejeunea renauldii* (Steph.) Steph. 1912 = *Acrolejeunea aulacophora* (Mont.) Steph. 1895 (Gradstein 1974, Gradstein 1975).
- Acrolejeunea roccatii* Gola 1907 = *Evansiolejeunea roccatii* (Gola) Vanden Berghe 1960 (Vanden Berghe 1960a) = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye *et al.* 2015).
- ** ***Acromastigum exile*** (Lindenb.) A.Evans Ⓢ SAF(2,170,311,894).
- Adelanthus decipiens* (Hook.) Mitt. 1864 = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).
- *** ***Adelanthus lindenbergianus*** (Lehm.) Mitt. DRC(2), KEN(2), LES(75), MAU(1), MDG(1), MLW(109), REU(1), RWA(2,2864), SAF(2,75), TAN(2), UGA(2).
- Adelanthus sphalerus* (Hook.f. et Taylor) Steph. 1908 = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Mitten 1864, Grolle 1972).
- Adelanthus unciformis* (Hook.f. et Taylor) Spruce 1876 = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Schiffner 1895, Grolle 1972).
- Aitonia appendiculata* (Lehm. et Lindenb.) Kuntze 1891 = *Plagiochasma appendiculata* Lehm. et Lindenb. 1832 (Bischler 1978).
- Aitonia eximia* Schiffn. 1895 = *Plagiochasma eximum* (Schiffn.) Steph. 1898 (Bischler 1978).
- Aitonia fischeriana* Steph. 1895 = *Plagiochasma appendiculatum* Lehm. et Lindenb. 1832 (Bischler 1978).
- Aitonia microcephala* Steph. 1895 = *Plagiochasma microcephalum* (Steph.) Steph. 1898 (Bischler 1978).
- Alicularia flexuosa* (Lehm.) Nees 1844 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
- Alicularia vermicularis* (Lehm.) Gottsche, Lindenb. et Nees 1844 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
- ** ***Afroriccardia comosa*** (Steph.) Reeb et Gradst. MAU(1,3036), REU(1,3036), UGA (3036).
- *** ***Allisoniella nigra*** (Rodway) R.M.Schust. REU(1).
- *** ***Allorgella rabenorii*** (Tixier) Bechteler, G.E.Lee, Schäf.-Verw. et Heinrichs Ⓢ MDG(1).
- ** ***Allorgella subana*** (Pócs) Pócs Ⓢ MDG(1885).
- Alobiella borbonica* (Steph.) Steph. 1908 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1995).
- Alobiella chevalieri* Steph. 1908 = *Cylindrocolea chevalieri* (Steph.) R.M.Schust. 1969 (Schuster 1973).
- Alobiella heteromorpha* (Lehm.) Steph. 1908 = *Alobiellopsis heteromorpha* (Lehm.) R.M.Schust. 1969 (Schuster 1969a).
- Alobiella pillansii* (Sim) S.W.Arnell 1963 = *Alobiellopsis pillansii* (Sim) R.M.Schust. 1969 (Schuster 1969a).
- *** ***Alobiellopsis heteromorpha*** (Lehm.) R.M.Schust. Ⓢ LES(75), MAS(1), MAU(1), MLW(114), REU(2129), SAF(2).
- *** ***Alobiellopsis pillansii*** (Sim) R.M.Schust. Ⓢ SAF(2).
- *** ***Amazoopsis diplopoda*** (Pócs) J.J Engel et G.L.Merr. Ⓢ COM(4), MDG(1,4), REU(4). The record (of *Arachniopsis diplopoda*) from D.R. Congo is now discounted (Pócs 1995).
- *** ***Amazoopsis gracilis*** J.J Engel et G.L.Merr. Ⓢ REU(1689).
- *** ***Amphicephalozia africana*** Váňa et M.Wigginton Ⓢ RWA(2087,2864,2938).
- *** ***Amphicephalozia geisslerae*** Pócs et Váňa Ⓢ MDG(712,720).
- *** ***Anastrophyllopsis subcomplicata*** (Lehm. et Lindenb.) Váňa et L.Söderstr. STH(2,2895,2548)
- *** ***Anastrophyllopsis revoluta*** (Steph.) Váňa et L.Söderstr. REU(2360).
- *** ***Anastrophyllum auritum*** (Lehm.) Steph. BIO(36), CMN(2), DRC(2), ETH(2), KEN(2,71,665,759), LES(75), MLW(114), REU(45), RWA(2,2864), SAF(2,75), TAN(2), UGA(2,42,96,1426), ZIM(2859).

- Anastrophyllum bessonii* Steph. 1893 = *Gottschelia schizopleura* (Spruce) Grolle 1968 (Grolle 1968a).
Anastrophyllum calcaratum Steph. 1911 = *Anastrophyllum gambaragarae* Gola 1907 (Arnell 1956a) = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1975).
Anastrophyllum gambaragarae Gola 1907 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1975).
Anastrophyllum grossitextum Steph. 1911 = *Anastrophyllum gambaragarae* Gola 1907 (Arnell 1956a) = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1975).
Anastrophyllum hintzeanum Steph. 1917 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1975).
Anastrophyllum leucocephalum (Taylor) Steph. 1893 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Gradstein & Costa 2003).
Anastrophyllum minutum (Schreb.) R.M.Schust. 1949 = *Sphenolobus minutus* (Schreb. ex D.Crantz) Berggr. 1898 (Váňa et al. 2013c).
Anastrophyllum obtusatum (Hook.f. et Taylor) Steph. 1901 = *Anastrophyllum subcomplicatum* (Lehm. et Lindenb.) Steph. 1893 (Váňa 1982) = *Anastrophyllopsis subcomplicata* (Lehm. et Lindenb.) Váňa et L.Söderstr. 2013 (Váňa et al. 2013c)
- *** ***Anastrophyllum piligerum*** (Nees) Steph. ASC(2,3065), MAU(1,2170), MDG(1,4,720), MLW(114), REU(1), RWA(2,2864), SEY(1,4), TAN(2), ZIM(2).
Anastrophyllum revolutum Steph. 1893 = *Anastrophyllopsis revoluta* (Steph.) Váňa et L.Söderstr. 2013 (Váňa et al. 2013c).
Anastrophyllum schizopleurum (Spruce) Steph. 1893 = *Gottschelia schizopleura* (Spruce) Grolle 1968 (Grolle 1968a).
Anastrophyllum subcomplicatum (Lehm. et Lindenb.) Steph. 1893 = *Anastrophyllopsis subcomplicata* (Lehm. et Lindenb.) Váňa et L.Söderstr. 2013 (Váňa et al. 2013c).
- *** ***Andrewsianthus aberrans*** (Nees et Mont.) Grolle ④ MAU(1), MDG(4), REU(1,4).
*** ***Andrewsianthus bilobus*** (Mitt.) Grolle ④ BIO(2,33,36), CMN(2), DRC(2), ETH(2), KEN(759), RWA(2,2864), TAN(2), UGA(2,776,1426). Listed in error from South Africa in (2); the specimen is *Gymnocoleopsis capensis* (Váňa 1982, Schuster 1995b).
Andrewsianthus jamesonii (Mont.) Váňa 1983 = *Lophonardia jamesonii* (Mont.) L.Söderstr. et Váňa 2013 (Söderström et al. 2013a).
Andrewsianthus kilimanjaricus (S.W.Arnell) Grolle et Váňa 1980 = *Andrewsianthus jamesonii* (Mont.) Váňa 1893 (Gradstein et al. 1983) = *Lophonardia jamesonii* (Mont.) L.Söderstr. et Váňa 2013 (Söderström et al. 2013a).
Aneura amazonica Spruce 1885 = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Gradstein & Hekking 1979, Perold 2003a).
Aneura angusticosta Steph. 1913 "angusticostata" = *Riccardia stephanii* (Besch. ex Steph.) E.W.Jones 1956 (Jones 1956) = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Meenks & Pócs 1985, Perold 2003a).
- Aneura caespitans*** Steph., nom. inval. There are reports from Cameroon (2), Kenya (2), Madagascar (1), Mauritius (1,2170), Réunion (1) and Uganda (2). However, there is uncertainty concerning a) the type of *Aneura caespitans*, b) to which collections various early descriptions apply, and c) the true identity of many specimens labelled as *Aneura caespitans* or *Riccardia caespitans*. *Aneura caespitans* is therefore treated as an invalid name (Reeb & Bardat 2014).
Aneura comosa Steph. 1890 = *Afroriccardia comosa* (Steph.) Reeb et Gradst. 2017 (Rabeau et al. 2017).
Aneura compacta Steph. 1893 = *Riccardia compacta* (Steph.) S.W.Arnell 1952 (Perold 2002a).
Aneura congoana Steph. 1917 = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Reeb & Bardat 2014).
Aneura congoensis Steph. 1917 = *Riccardia longispica* (Steph.) Pearson 1893 (Reeb & Bardat 2014).
Aneura corbieri Steph. 1917 = *Riccardia ramosissima* (Steph.) Grolle 1995 (Reeb & Bardat 2014).
Aneura dismieri Steph. 1917 = *Riccardia saccatiflora* (Steph.) S.W.Arnell 1952 (Reeb & Bardat 2014).
Aneura erosa Steph. 1891 = *Riccardia erosa* (Steph.) E.W.Jones 1956 (Jones 1956).
- ** ***Aneura erronea*** Steph. ④ Known only from the type from Tanzania (Stephani 1917).
Aneura exigua Steph. 1917 = *Riccardia inconspicua* (Steph.) Reeb et Bardat 2014 (Reeb & Bardat 2014).
Aneura fastigiata (Lehm.) Lehm. et Lindenb. 1846 = *Riccardia fastigiata* (Lehm.) Trevis. 1877 (Meenks & Pócs 1985).
Aneura grosselimbata Steph. 1917 = *Riccardia limbata* (Steph.) E.W.Jones 1956 (Reeb & Bardat 2014).
Aneura holstii Steph. 1917 = *Riccardia limbata* (Steph.) E.W.Jones 1956 (Reeb & Bardat 2014).
Aneura inconspicua Steph. 1893 = *Riccardia inconspicua* (Steph.) Reeb et Bardat 2014 (Reeb & Bardat 2014).
- ** ***Aneura keniæ*** Gola ④ Known only from the type from Kenya (Gola 1914a). Considered by Jones (1956) to be identical to *Riccardia multifida* (L.) Gray.
- ** ***Aneura latissima*** Spruce ANG(2848), BIO(1718), CMN(2), DRC(2), ETH(2916), GAB(2396), GHA(2,3013), IVO(2), LES(75), MAU(1), MDG(2498), MLW(114), NGA(2), PRI(128,2684), REU(1), RIM(10), RWA(2864), SAF(2), SAO(2684), SEY(4), SIE(2), TAN(2), UGA(42,50), ZIM(2). E.W.Jones, in Wigginton (2004, p. 80) stated that "all plants from

*West Africa that I have seen (from Cameroon, Nigeria, Ghana and Sierra Leone) are *A. pseudopinguis*, according to the Meencks & Pócs (1985) definition". Accordingly, his records of *A. pinguis* s.l. from these countries are transferred in this checklist.*

Aneura laurentiana Steph. 1917 = *Riccardia pinguis* (L.) Gray (Meenks & Pócs 1985, Perold 2001d) = *Aneura pinguis* (L.) Dumort. 1831 *sens. lat.* (Perold 2001d, Jones 1956).

Aneura lepervanchei Steph. 1899 = *Riccardia longispica* (Steph.) Pearson 1893 (Reeb & Bardat 2014).

Aneura limbata Steph. 1891 = *Riccardia limbata* (Steph.) E.W.Jones 1956 (Meenks & Pócs 1985).

Aneura longispica Steph. 1890 = *Riccardia longispica* (Steph.) Pearson 1893 (Jones 1956, Meenks & Pócs 1985).

Aneura multifida (L.) Dumort. 1822 = *Riccardia multifida* (L.) Gray 1821 (Perold 2001e).

Aneura nudiflora Steph., *nom. dub.* There are records of *Aneura nudiflora* from Madagascar (Stephani 1891b), Mauritius (Bescherelle 1895) and Réunion (Stephani 1890a). However, the many problems with the type material and citations, led Jones (1956) to reject the name. Grolle (1995) maintained it and transferred it to *Riccardia*. Reeb & Bardat (2014) rejected the name, treating it as a *nomen dubium*.

Aneura palmata (Hedw.) Dumort. 1831 = *Riccardia palmata* (Hedw.) Carruth. 1865. Excluded from the area (Grolle 1995).

Aneura papulosa Steph. 1917, *hom. illeg. [non Steph. 1893]* = *Riccardia obtusa* S.W.Arnell 1952 (Reeb & Bardat 2014).

Aneura piliflora Steph. 1917 = *Riccardia longispica* (Steph.) Pearson 1893 (Jones 1956, Meenks & Pócs 1985).

*** ***Aneura pinguis*** (L.) Dumort. MAS(1), REU(2129), RWA(2864), SAF(652), SEY(1), TAN(2).

Aneura pinguis (L.) Dumort. *sens. lat.* ANG(2), DRC(2), SAO(2).

Aneura pinnatifida (F.Weber) Nees 1838 = *Riccardia pinnatifida* (F.Weber) Carruth. 1865 (Grolle 1995).

Aneura pseudopinguis (Herzog) Pócs 1983 = *Aneura latissima* Spruce 1885 (Gradstein 2013c).

Aneura ramosissima Steph. 1891 = *Riccardia ramosissima* (Steph.) Grolle 1995 (Jones 1956).

Aneura reticulata Steph. 1891 = *Riccardia limbata* (Steph.) E.W.Jones 1956 (Jones 1956).

Aneura saccatiflora Steph. 1890 = *Riccardia saccatiflora* (Steph.) S.W.Arnell 1952 (Meenks & Pócs 1985).

Aneura stephanii Besch. ex Steph. 1899 = *Riccardia stephanii* (Besch. ex Steph.) E.W.Jones 1956 (Jones 1956) = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Meenks & Pócs 1985, Perold 2003a).

Aneura submarginata S.W.Arnell 1952 = *Riccardia pinguis* (L.) Gray 1821 (Jones 1956) = *Aneura pinguis* (L.) Dumort. 1831 *sens. lat.* (Perold 2001d).

Aneura tenera Steph. 1917 = *Riccardia erosa* (Steph.) E.W.Jones 1956 (Jones 1956).

Aneura travisiana Pearson 1921 = *Riccardia stephanii* (Besch. ex Steph.) E.W.Jones 1956 (Jones 1956) = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Meenks & Pócs 1985, Perold 2003a).

Anomalolejeunea decemplicata Steph. 1913 = *Cheilolejeunea pluriplicata* (Pearson) R.M.Schust. 1980 (Jones 1988).

Anomalolejeunea pluriplicata (Pearson) Schiffn. 1893 = *Cheilolejeunea pluriplicata* (Pearson) R.M.Schust. 1980 (Jones 1988).

Anomalolejeunea pluriplicata (Pearson) Schiffn. var. *tubularis* S.W.Arnell 1953 = *Anomalolejeunea pluriplicata* (Pearson) Schiffn. 1893 (Arnell 1956a) = *Cheilolejeunea pluriplicata* (Pearson) R.M.Schust. 1980 (Jones 1988).

Anthelia africana Steph. 1892 = *Cephaloziella tenuissima* (Lehm.) Steph. 1893 (Váňa *et al.* 2013d).

Anthelia hirtella (F.Weber) Steph. 1891 = *Plicanthus hirtellus* (F.Weber) R.M.Schust. 2003 (Schuster 2002b).

*** ***Anthelia juratzkana*** (Limpr.) Trevis. TAN(2).

Aphanolejeunea capensis (S.W.Arnell) S.W.Arnell 1957 = *Cololejeunea grossepapillosa* (Horik.) Pócs 2009 (Pócs & Bernecker 2009).

Aphanolejeunea corniculata Tixier in Pócs 1984, *nom. inval.* Pócs (1984c) included this name on the basis of Tixier's apparent intention to publish it from Madagascar. However, the name was never published, and the taxon treated as dubious by Grolle (1995).

Aphanolejeunea diaphana (A.Evans) R.M.Schust. 1980, *hom. illeg.* = *Aphanolejeunea subdiaphana* (Jovet-Ast) Pócs 1984 (Pócs 1984b) = *Aphanolejeunea truncatifolia* Horik. 1934 (Pócs & Lücking 1996) = *Cololejeunea diaphana* A.Evans 1905 (Pócs & Bernecker 2009).

Aphanolejeunea exigua A.Evans 1911 = *Aphanolejeunea microscopica* (Taylor) A.Evans var. *exigua* (A.Evans) Pócs & Lücking 1996 (Pócs & Lücking 1996) = *Cololejeunea microscopica* var. *exigua* (A.Evans) Bernecker et Pócs 2009 (Pócs & Bernecker 2009).

Aphanolejeunea exigua var. *africana* Pócs 1984 = *Aphanolejeunea microscopica* (Taylor) A.Evans var. *africana* (Pócs) Pócs et Lücking 1996 (Pócs & Lücking 1996) = *Cololejeunea microscopica* var. *africana* (Pócs) Pócs et Bernecker 2009 (Pócs & Bernecker 2009).

Aphanolejeunea fadenii (Pócs) Pócs 1984 = *Cololejeunea clavatopapillata* Steph. 1895 (Pócs & Bernecker 2009) = *Cololejeunea jamesii* (Austin) M.E.Reiner et Pócs 2015 (Pócs, Zhu *et al.* 2015).

Aphanolejeunea jovetastiana Pócs 1984 = *Cololejeunea jovetastiana* (Pócs) Pócs 2009 (Pócs & Bernecker 2009).

- Aphanolejeunea lisowskii* Pócs 1984 = *Cololejeunea lisowskii* (Pócs) Pócs 2009 (Pócs & Bernecker 2009).
Aphanolejeunea longifolia Jovet-Ast 1947 = *Cololejeunea antillana* Pócs 2009 (Pócs & Bernecker 2009).
Aphanolejeunea mammillata sensu auct. [non (Ångstr.) Steph. 1916] = *Cololejeunea grossepapillosa* (Horik.) Pócs 2009 (Pócs & Bernecker 2009).
Aphanolejeunea microscopica (Taylor) A.Evans var. *africana* (Pócs) Pócs et Lücking 1997 = *Cololejeunea microscopica* var. *africana* (Pócs) Pócs et Bernecker 2009 (Pócs & Bernecker 2009).
Aphanolejeunea microscopica var. *exigua* (A.Evans) Pócs et Lücking 1997 = *Cololejeunea microscopica* var. *exigua* (Pócs) Bernecker et Pócs 2009 (Pócs & Bernecker 2009).
Aphanolejeunea microscopica (Taylor) A.Evans 1911 = *Cololejeunea microscopica* (Taylor) Schiffn. 1895 (Pócs & Bernecker 2009).
- * ***Aphanolejeunea minima*** Tixier Known only from Cameroun (Tixier 1975). Pócs & Bernecker (2009) noted that "the type was not accessible". The drawing accompanying the original description shows only two fragments having reduced leaves. It may be close to *Cololejeunea gracilis* (Jovet-Ast) Pócs", but its identity remains uncertain.
Aphanolejeunea moramangae (Tixier) Pócs 1894 = *Cololejeunea moramangae* Tixier 1979 (Pócs & Bernecker 2009).
Aphanolejeunea runssorensis Steph. 1916 = *Cololejeunea runssorensis* (Steph.) Pócs 1975 (Pócs 1975).
Aphanolejeunea subdiaphana (Jovet-Ast) Pócs 1984 (Pócs 1984b) = *Aphanolejeunea truncatifolia* Horik. 1934 (Pócs & Lücking 1996) = *Cololejeunea diaphana* A.Evans 1905 (Pócs & Bernecker 2009).
Aphanolejeunea truncatifolia Horik. 1934 = *Cololejeunea diaphana* A.Evans 1905 (Pócs & Bernecker 2009).
Aphanolejeunea zenkeri Steph. 1916 = *Cololejeunea zenkeri* (Steph.) E.W.Jones 1954 (Jones 1954e).
Apomarsupella africana (Steph. ex Bonner) R.M.Schust. 1996 = *Gymnomitrion africanum* (Steph.) Horik. 1943 (Söderström, Hagborg, von Konrat *et al.* 2016).
Arachniopsis coactilis Spruce 1882 = *Telaranea coactilis* (Spruce) J.J.Engel et G.L.Merr. 2004 (Engel & Merrill 2004).
Arachniopsis diacantha (Mont.) M.Howe 1902 = *Telaranea diacantha* (Mont.) J.J.Engel et G.L.Merr. 2004 (Engel & Merrill 2004).
Arachniopsis diplopoda Pócs 1984 = *Amazoopsis diplopoda* (Pócs) J.J.Engel et G.L.Merr. 2004 (Engel & Merrill 2004).
Arachniopsis madagascariensis Steph. 1922 = *Telaranea coactilis* (Spruce) J.J.Engel et G.L.Merr. 2004 (Engel & Merrill 2004).
Arachniopsis succulenta (Sim) S.W.Arnell 1955 = *Paracromastigum succulentum* (Sim) J.J.Engel et G.L.Merr. 2001 (Engel & Merrill 2001).
Archilejeunea abbreviata (Mitt.) Vanden Berghe 1951 = *Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea africana Steph. 1911 = *Dibrachiella africana* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea alata Steph. 1893 = *Dibrachiella alata* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea apiculata Pearson 1931 = *Marchesinia excavata* (Mitt.) Schiffn. 1893 (Vanden Berghe 1948d).
Archilejeunea autoica Vanden Berghe 1951 = *Dibrachiella autoica* (Vanden Berghe) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea brevilibula Steph. 1911 = *Dibrachiella brevilibula* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea chrysophylla (Lehm.) Steph. 1890 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).
Archilejeunea elobulata Steph. 1911 = *Dibrachiella elobulata* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea erronea Steph. 1888 = *Leucolejeunea clypeata* (Schwein.) A.Evans 1907. Grolle (1995) placed the South African *Archilejeunea erronea* in synonymy with *Leucolejeunea rotundistipula*, but Gradstein & Geissler (1997) found the holotype inseparable from *Leucolejeunea clypeata*, a species endemic to North America. Because of this extreme disjunction, they concluded that specimens had been confused by Stephani, and that there had been a labelling error. The record from Mauritius (Tixier & Guého (1997) is also treated as an error.
- *** ***Archilejeunea gradsteinii*** X.Q.Shi et R.L.Zhu (E) SIE(2849).
Archilejeunea helena Pócs et Gyarmati 2006 = *Archilejeunea brevilibula* Steph. 1911 (Shi *et al.* 2015a) = *Dibrachiella brevilibula* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea linguifolia Steph. 1911 = *Archilejeunea elobulata* Steph. 1911 (Shi *et al.* 2015a) = *Dibrachiella elobulata* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea jonesii Vanden Berghe 1951 = *Dibrachiella jonesii* (Vanden Berghe) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
Archilejeunea mariana (Gottsche) Steph. 1897 = *Cheilolejeunea mariana* (Gottsche) B.Thiers et Gradst. 1989 (Grolle 1995).
Archilejeunea mauritiana Steph. 1895 = *Archilejeunea abbreviata* (Mitt.) Vanden Berghe 1951 (Shi *et al.* 2015a) = *Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).

- Archilejeunea nobilis* (Gottsche) Pearson 1892 = *Marchesinia nobilis* (Gottsche) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015a).
- Archilejeunea palustris* Sim 1926 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
- Archilejeunea pappeana* (Nees) Sim 1926 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein & Vanden Berghen 1985).
- Archilejeunea parvistipula* Steph. 1924 = *Archilejeunea africana* Steph. 1911 (Vanden Berghen 1951c) = *Dibrachiella africana* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
- Archilejeunea planiuscula* (Mitt.) Steph. 1911 = *Spruceanthus planiusculus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
- Archilejeunea pobeginii* Steph. 1911 = *Archilejeunea abbreviata* (Mitt.) Vanden Berghen 1951 (Vanden Berghen 1951c) = *Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
- Archilejeunea rotalis* (Hook.f. et Taylor) Steph. 1911 = *Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et P.Geissler 1997 (Gradstein & Geissler 1997) = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
- Archilejeunea rotundistipula* (Lindenb. ex Lehm.) Sim 1926 = *Leucolejeunea rotundistipula* (Lindenb. ex Lehm.) A.Evans 1907 (Arnell 1953b) = *Cheilolejeunea rotundistipula* (Lindenb. ex Lehm.) Malombe 2009 (Malombe 2009).
- Archilejeunea staudtiana* Steph. 1911 = *Archilejeunea africana* Steph. 1911 (Vanden Berghen 1951c) = *Dibrachiella africana* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
- Archilejeunea subinermis* Steph. 1911 (Sp. Hepat. 4: 703), nom. nud. [*non Archilejeunea subinermis* Steph. 1911 (Sp. Hepat. 4: 720)] = *Archilejeunea africana* Steph. 1911 (Vanden Berghen 1951c).
- Archilejeunea taxiantha* Herzog, in sched. = *Archilejeunea africana* Steph. 1911 (Vanden Berghen 1951c) = *Dibrachiella africana* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi *et al.* 2015b).
- Archilejeunea xanthocarpa* (Lehm. et Lindenb.) Steph. 1895 = *Leucolejeunea xanthocarpa* (Lehm. et Lindenb.) A.Evans 1907 (Schuster 1980a) = *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe 2009 (Malombe 2009).
- *** *Asterella abyssinica* (Gottsche) Grolle Ⓢ BIO(1718), BUR(2), CMN(2), DRC(2), ETH(2), MLW(85), RWA(2,2864), SAF(85,1132), SIE(2), TAN(2), ZIM(2).
- Asterella angolensis* (Steph.) S.W.Arnell 1963 = *Asterella wilmsii* (Steph.) S.W.Arnell 1963 (Perold 1994c).
- *** *Asterella bachmannii* (Steph.) S.W.Arnell Ⓢ BOT(2,1132), DRC(2), LES(2,75,1132), MLW(2,29), SAF(2,75,1132), SWZ(2,1132), ZIM(2).
- Asterella boryana* (Mont.) H.A.Mill. 1981, nom. illeg. = *Asterella syngenesica* (Bory) Grolle 1974 (Grolle & Onraedt 1974, Grolle 1995).
- ** *Asterella coronata* (Steph.) H.A.Mill. Ⓢ Known only from the type from Madagascar (Stephani 1917).
- *** *Asterella dissoluta* (Steph.) Grolle Ⓢ KEN(2), TAN(2), UGA(2). Two collections are reported by Stephani: the type of *Fimbraria dissoluta* Steph. from Kilimanjaro (Stephani 1895b), and with a question mark from the Usambara Mts. (Stephani 1913b). Additional records of *Fimbraria volvensii* (provisionally treated as a synonym of *A. dissoluta* by Long & Grolle, *in litt.*) from Kenya, Tanzania and Uganda are placed here.
- *** *Asterella khasyana* (Griff.) Grolle BUR(93), RWA(2864,2938), UGA(93).
- *** *Asterella linearis* (Steph.) M.Howe Ⓢ KEN(2,71), TAN(2).
- *** *Asterella marginata* (Nees) S.W.Arnell Ⓢ SAF(2,1132), ZIM(2859).
- *** *Asterella muscicola* (Steph.) S.W.Arnell Ⓢ BOT(2,1132), LES(2,75,1132), MLW(2), SAF(2,1132), ZIM(2).
- *** *Asterella pappii* (Gola) Grolle Ⓢ ERI(121), ETH(2), SOC(2).
- * *Asterella preussii* (Schiffn.) M.Howe Known only from the type from Cameroun (Stephani 1895a). Provisionally placed in synonymy with *Asterella bachmannii* by Long & Grolle, *in litt.*
- *** *Asterella syngenesica* (Bory) Grolle Ⓢ MAU(1,2170), REU(1).
- *** *Asterella wilmsii* (Steph.) S.W.Arnell Ⓢ ANG(2), LES(2,75), MDG(1), MLW(2,29), MOZ(2), SAF(2,75,1132), SWZ(2,1132), ZIM(2).
- * *Athalamia pulcherrima* (Steph.) S.Hatt. The two known collections, both from Ethiopia - the Schimper type (Stephani 1895) and a Beccari collection (Vanden Berghen 1965) - represent two different genera and species, neither of which can be reliably identified. Beccari's plant has the appearance of the genus *Athalamia* sens. str. (Rubasinghe 2011).
Athalamia spathysii (Lindenb.) S.Hatt. 1954 = *Clevea spathysii* (Lindenb.) Müll.Frib. 1940 (Rubasinghe *et al.* 2011).
- Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et P.Geissler 1997 = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
- Aytonia abyssinica* (Gola) Cufod. 1952 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Cufodontis 1952).

Aytonia appendiculata var. *erythraeae* (Gola) Cufod. 1952 = *Plagiochasma appendiculatum* Lehm. et Lindenb. 1832 (Bischler 1978).

Aytonia beccariana (Steph.) Cufod. 1952 = *Plagiochasma beccarianum* Steph. 1898 (Bischler 1978).

Aytonia eximia Schiffn. 1895 = *Plagiochasma eximum* (Schiffn.) Steph. 1898 (Bischler 1978).

Aytonia microcephala Steph. 1895 = *Plagiochasma microcephalum* (Steph.) Steph. 1898 (Bischler 1978).

Aytonia rupestris J.R.Forst. et G.Forst. 1775 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. 1898 (Bischler 1978).

Aytonia rupestris J.R.Forst. et G.Forst. var. *albociliata* (Lindenb. et Nees) Cufod. 1952 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. 1898 (Bischler 1978).

Aytonia schimperi (Steph.) Cufod. 1952 = *Plagiochasma eximum* (Schiffn.) Steph. 1898 (Bischler 1978).

Bazzania adnexa (Lehm. et Lindenb.) Trevis. 1877. There are records from Réunion (Gottschke *et al.* 1845) and Uganda (Arnell 1956a), but in accordance with Jones (1975), this Australasian species is excluded from Africa. Whether or not *B. adnexa* and *B. decrescens* are conspecific is yet to be investigated (Grolle 1995).

** ***Bazzania approximata*** Onr. ⑩ SEY(1,4).

Bazzania borbonica (Steph.) Steph. 1891 = *Bazzania praerupta* (Reinw., Blume et Nees) Trevis. 1877 (Grolle 1995).

Bazzania boschiana (Steph.) S.W.Arnell 1965, *nom. inval.* = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Arnell 1965).

* ***Bazzania comorensis*** Steph. ⑩ Known only from the type from the Comoro Islands (Stephani 1891). Jones (1975) referred it to the *Bazzania decrescens* complex.

Bazzania convexa (Lindenb.) Trevis. 1877 = *Bazzania nitida* (F.Weber) Grolle 1960 (Grolle 1960b).

** ***Bazzania cucullata*** Onr. ⑩ SEY(1,4).

* ***Bazzania curvidens*** Steph. ⑩ Known only from the type from Madagascar (Stephani 1891).

S.W.Arnell (1965) considered it "probably only a form of *Bazzania decrescens* (Lehm. et Lindenb.) Trevis."

** ***Bazzania deciduifolia*** Onr. ⑩ MDG(1).

** ***Bazzania decrescens*** (Lehm. et Lindenb.) Trevis. BIO(36), COM(1,4), CON(2), DRC(2), ETH(2345), GAB(2), KEN(2,731), MAS(1), MAU(1,2170), MDG(1,720), MLW(2,92), MOZ(2), REU(1), RWA(2,2864), SAF(2), SEY(1,4), TAN(2), UGA(2), ZAM(2), ZIM(2). *Bazzania decrescens* Mitt. in Melliss 1875, *nom. inval.* = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877.

** ***Bazzania decrescens*** var. *ambahatrae* Pócs, *nom. inval.* Reported as a new variety from Madagascar in Pócs & Geissler (2002), but never published.

** ***Bazzania decrescens*** subsp. *mollerii* (Steph.) E.W.Jones ⑩ ANN(2,33), BIO(72), CMN(2), CON(2), DRC(2), GAB(2), GHA(2,3013), IVO(51), MLW(92), MOZ(2,2736), PRI(2684,2750), RIM(10), SAO(2,2684), SIE(2), ZIM(2).

** ***Bazzania decrescens*** subsp. *pumila* (Mitt.) Pócs ⑩ BIO(1718), COM(4), DRC(2), KEN(731), MDG(4), MLW(92), RWA(2,2864), TAN(2), UGA(50).

Bazzania exilis Trevis. 1877 = *Acromastigum exile* (Lindenb.) A.Evans 1934 (Evans 1934).

Bazzania fusca Steph. 1893 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Stephani 1908).

Bazzania integra (Nees et Mont.) Steph. 1894 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Stephani 1908).

*** ***Bazzania konratiana*** Sass-Gyarmati ⑩ MDG(3040).

Bazzania lacouturei (Steph.) S.W.Arnell 1965, *nom. inval.* ⑩ Known only from the type from Madagascar (Stephani 1924). Referred by Jones (1975) to the *Bazzania decrescens* complex.

Bazzania laxifolia (Steph.) Demaret 1942 [= *Mastigobryum laxifolium* Steph. in Mildbr. 1911] = *Bazzania roccatii* Gola 1907 (Arnell 1956a).

Bazzania longa (Nees) Trevis. 1877. *B. longa* is a widespread Caribbean and C. American species. Although Mauritius is indicated on the label of the type (of *Jungermannia longa* Nees), this is likely to be a transcription error, perhaps for Martinique (Grolle 1995).

Bazzania madagassa (Steph.) S.W.Arnell 1965, *nom. inval.* ⑩ Reported from Madagascar by Stephani (1924), and considered by Jones (1975) likely to prove synonymous with *Bazzania decrescens* (Lehm. et Lindenb.) Trevis.

* ***Bazzania mascarena*** (Steph.) Herzog ⑩ COM(1), MDG(1), REU(1).

Bazzania molleri Steph. 1891 = *Bazzania decrescens* subsp. *mollerii* (Steph.) E.W.Jones 1975 (Jones 1975).

*** ***Bazzania nitida*** (F.Weber) Grolle BIO(36), BUR(2), CMN(2), COM(1), DRC(2),

MAU(1,4,2170), MDG(1,4,720), MLW(2,92), REU(1), RWA(2,130,2864), SAF(2), SAO(2374), SEY(1,4), TAN(2), UGA(50), ZIM(2859).

- ** *Bazzania orbanii* Pócs (E) MDG(2388).
- ** *Bazzania papillosa* S.W.Arnell (E) MAU(1,2170).
Bazzania pellucida Sim 1926 = *Acromastigum exile* (Lindenb.) A.Evans 1934 (Arnall 1963).
- ** *Bazzania perrotana* (Steph.) E.W.Jones (E) MDG(1,870).
Bazzania perrotana (Steph.) S.W.Arnell 1965, nom. inval. = *Bazzania mascarena* (Steph.) Herzog 1947 (Arnall 1965).
- *** *Bazzania praerupta* (Reinw., Blume et Nees) Trevis. BIO(36), ETH(2916), MAS(1), MAU(1), MDG(1,4), MLW(2,92), REU(1), SAF(2), TAN(2). The collections from St Helena (2895) have been re-determined as *Bazzania roccatii* Gola
Bazzania pulvinata Steph. 1891 = *Bazzania decrescens* subsp. *pumila* (Mitt.) Pócs 1994 (Pócs 1994b).
Bazzania pumila Mitt. 1886 = *Bazzania decrescens* subsp. *pumila* (Mitt.) Pócs 1994 (Pócs 1994b).
Bazzania radicans Sim 1926, probably = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877.
- ** *Bazzania reflexa* (Gottsche) Steph. (E) MDG(1).
Bazzania robertii (Steph.) S.W.Arnell 1965, nom. inval. = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Jones 1975, Grolle 1995).
- ** *Bazzania roccatii* Gola (E) BIO(1718), CMN(2), DRC(2), MLW(92), RWA(2,2864), STH(2895), TAN(2), UGA(2,42).
Bazzania schismoidea (Steph.) Steph. 1891 = *Bazzania borbonica* Steph. 1894 (Jones 1975) = *Bazzania praerupta* (Reinw., Blume et Nees) Trevis. 1877 (Grolle 1995).
Bazzania seychellarum Gottsche 1893 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Grolle 1978).
Bazzania stephanii (J.B.Jack) Steph. 1891 = *Bazzania nitida* (F.Weber) Grolle 1960 (Jones 1975).
Bazzania stolonifera (Sw.) Trevis. 1877 The report from Réunion (Gottsche 1845) of this Caribbean species is treated as erroneous by Grolle (1995).
Bellincinia abyssinica (Nees) Kuntze 1891 = *Porella abyssinica* (Nees) Trevis. 1877 (Cufodontis 1952).
Blasia javanica Sande Lac. 1856 = *Notothylas javanica* (Sande Lac.) Gottsche 1858 (Hasegawa 1979).
Blepharostoma cavallii Gola 1907 = *Tetralophozia cavallii* (Gola) Váňa 1993 (Váňa 1993).
Blepharostoma sejunctum Ångstr. 1877 = *Arachniopsis diacantha* (Mont.) M.Howe 1902 (Grolle 1975a).
- *** *Blepharostoma trichophyllum* (L.) Dumort. KEN(2), RWA(2,2864), TAN(2), UGA(2,96).
Blyzia byssophora (Lehm. et Lindenb.) Nees 1846 = *Pallavicinia lyellii* (Hook.) Gray 1821 (Grolle & Piippo 1986).
Brachiolejeunea africana Steph. 1912 = *Mastigolejeunea florea* (Mitt.) Steph. 1912 (Vanden Berghen 1951b)
= *Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
Brachiolejeunea assimilis Steph. 1911 = *Mastigolejeunea nigra* (Steph.) Steph. 1891 (van Slageren 1985, Vanden Berghen 1951b) = *Thysananthus nigrus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
Brachiolejeunea bidens Steph. 1912 = *Mastigolejeunea carinata* (Mitt.) Steph. 1912 (Vanden Berghen 1949)
= *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
Brachiolejeunea camerunensis E.W.Jones et Vanden Berghen 1951 = *Brachiolejeunea tristis* Steph. 1912 (Vanden Berghen 1960a) = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
Brachiolejeunea camerunensis var. *angolensis* S.W.Arnell 1962 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
Brachiolejeunea confertifolia Steph. 1912 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
Brachiolejeunea crenata Sim 1926 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
Brachiolejeunea hildebrandtii Steph. 1912 = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (van Slageren 1985) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
Brachiolejeunea hildebrandtii var. *pluriplicata* Gola 1914 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
- *** *Brachiolejeunea laxifolia* (Taylor) Schiffn. SAO (2,2684). The record from São Tomé was considered doubtful by van Slageren (1985).
Brachiolejeunea natalensis Sim 1926 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (van Slageren 1985).
Brachiolejeunea nigra (Steph.) Steph. 1912 = *Mastigolejeunea nigra* Steph. 1891 (Jones & Harrington 1983) = *Thysananthus nigrus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
Brachiolejeunea parviflora Steph. 1912 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
- *** *Brachiolejeunea phyllorhiza* (Nees) Kruijt et Gradst. MDG(1), SAF(2), ZIM(2). The types of *Dicranolejeunea lillieana*, from Kenya, placed by Kruijt & Gradstein (1986) under *Brachiolejeunea phyllorhiza*, are species of *Acanthocoleus* (Gradstein (1994)).
Brachiolejeunea rhodesica Vanden Berghen 1951 = *Mastigolejeunea rhodesica* (Vanden Berghen) E.W.Jones 1957 (Jones 1957a) = *Mastigolejeunea auriculata* var. *rhodesica* (Vanden Berghen) Sukkharak

- et Gradst. 2014 (Sukkharak & Gradstein 2014) = *Thysananthus auriculatus* var. *rhodesicus* (Vanden Berghen) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Brachiolejeunea thomeensis* Steph. 1912 = *Brachiolejeunea laxifolia* (Taylor) Schiffn. 1893 (van Slageren 1985).
- Brachiolejeunea tristis* (Steph.) Steph. 1912 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
- Brachiolejeunea usambarensis* Steph. 1912 = *Brachiolejeunea nigra* (Steph.) Steph. 1912 (Vanden Berghen 1951b) = *Mastigolejeunea nigra* Steph. 1891 (Jones & Harrington 1983) = *Thysananthus nigrus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Bryopteris filicina* (Sw.) Nees 1845. The report from Mauritius (Gottsche 1845) is treated as an error by Grolle (1995).
- *** ***Bryopteris gaudichaudii*** Gottsche Ⓢ MDG(1,4), REU(1).
- Bryopteris madagascariensis* Steph. 1912 = *Bryopteris gaudichaudii* Gottsche 1857 (Stotler *et al.* 1974).
- Bryopteris madagassa* Steph. 1902 = *Bryopteris gaudichaudii* Gottsche 1957 (Stotler *et al.* 1974).
- Bryopteris trinitensis* (Lehm. et Lindenb.) Lehm. et Lindenb. 1846 = *Bryopteris filicina* (Sw.) Nees 1845 (Gradstein 1994).
- Calobryum blumei* Nees 1846 = *Haplomitrium blumei* (Nees) R.M.Schust. 1963 (Bartholomew-Began 1991).
- *** ***Calicularia crispula*** Mitt. ETH(2), KEN(71), MDG(3079), MLW(2,29,2415), TAN(2), ZAM(2).
- Calicularia golae* Gerola 1947 = *Calicularia crispula* Mitt. 1861 (Jones 1985b).
- Calypogeia afrocaerulea* E.W.Jones 1976 = *Calypogeia peruviana* Nees et Mont. 1838 (Gradstein 2013c).
- ** ***Calypogeia annabonensis*** Steph. ANN(2,33), GUI(2), KEN(2), MDG(720), SEY(1,4), TAN(2).
- *** ***Calypogeia arguta*** Nees et Mont. BUR(2), DRC(2), MAU(1,4,2170), MDG(1), MLW(2), REU(1,4), RWA(2864), SAF(2), SWZ(2), TAN(2), ZIM(2859).
- *** ***Calypogeia bidentula*** (F.Weber) Nees Ⓢ LES(75), MAU(2170), MDG(1), REU(1), RWA(130,2864), SAF(2,75), ZIM(2).
- Calypogeia bidentula* var. *grandiretis* S.W.Arnell 1963 = *Calypogeia bidentula* (F.Weber) Nees 1845 (Bischler 1970).
- Calypogeia capensis* S.W.Arnell 1953 = *Mnioloma fuscum* (Lehm.) R.M.Schust. 1995 (Bischler 1970, Schuster 1995a).
- Calypogeia ericetorum* Raddi 1818 = *Gongylanthus ericetorum* (Raddi) Nees 1836 (Jones 1964).
- *** ***Calypogeia fissa*** (L.) Raddi BIO(1718), ANG(2), ANN(2,33), CMN(2), COM(4), DRC(2), KEN(71), MDG(2498), REU(4), RWA(2,2864), SAF(2), SAO(2), SIE(2), SWZ(2), TAN(2), UGA(50), ZIM(2).
- Calypogeia fusca* (Lehm.) Steph. 1908 = *Mnioloma fuscum* (Lehm.) R.M.Schust. 1995 (Schuster 1995a).
- Calypogeia latifolia* Steph. 1908 = *Calypogeia arguta* Nees et Mont. 1838 (Bischler 1970).
- ** ***Calypogeia longifolia*** Steph. Ⓢ ANG(2848), BUR(2), LES(2), MDG(1,1920), SAF(2), SIE(2), SWZ(2), TAN(1920), ZIM(2).
- ** ***Calypogeia mascarenensis*** Bischl. Ⓢ COM(4), MAU(1,2170), MDG(1), REU(1,4).
- ** ***Calypogeia microstipula*** (Steph.) Steph. Ⓢ COM(1), MAU(2170), MDG(1), REU(1,4), SAF(2).
- *** ***Calypogeia muelleriana*** (Schiffn.) Müll.Frib. ETH(2).
- *** ***Calypogeia peruviana*** Nees et Mont. BIO(36), BUR(2), CMN(2), DRC(2), KEN(2), REU(4), RWA(2,2864), SAO(2), SEY(4), SWZ(3058), TAN(2), UGA(42,50).
- Calypogeia repandifolia* Steph. 1924 = *Mnioloma fuscum* (Lehm.) R.M.Schust. 1995 (Bischler 1970, Schuster 1995a).
- Campylolejeunea peculiaris* (Herzog) Amakawa 1960 = *Cololejeunea inflectens* (Mitt.) Benedix 1953 (Jones 1988).
- ** ***Capillolejeunea geisslerae*** (Pócs) R.L.Zhu, Qiong He, Y.M.Wei et Pócs Ⓢ MDG(709,720).
- ** ***Capillolejeunea mascarena*** S.W.Arnell Ⓢ COM(4,765), MAU(1,765,2170), MDG(765), REU(2129).
- Cardiolejeunea dipterocarpa* (E.W.Jones) R.M.Schust. 1980 = *Lejeunea dipterocarpa* E.W.Jones 1972 (Schuster 1980a).
- Cardiolejeunea papilionacea* (Prantl) R.M.Schust. 1980 = *Lejeunea papilionacea* Prantl 1892 (Schuster 1980a, Zhu & Grolle 2001).
- Carpolepidium dichotomum* P.Beauv. 1805 = *Plagiochila dichotoma* (P.Beauv.) Nees et Mont. 1836.
- Carposphaerocarpos* (D.J.Carr) Prosk. 1961 = *Monocarpus sphaerocarpus* D.J.Carr 1956 (Proskauer 1961).
- ** ***Caudalejeunea acutifolia*** Gerola Ⓢ Known only from the type from Ethiopia (Gerola 1947). Gener-

- ic position unclear. Vanden Berghen (1984b) was unable to examine the collection.
- ** *Caudalejeunea africana* (Steph.) Schiffn. Ⓢ ANG(2848), BIO(2,33), DRC(2,822), ETH(2,2345), GAB(2396), GHA(2), IVO(2), KEN(2), NGA(2), PRI(2750), SAF(2), TAN(2).
- ** *Caudalejeunea dusenii* Steph. Ⓢ ANG(2848), CMN(2), GHA(2), KEN(2066), NGA(2), SAO(2750), TAN(2), UGA(96).
- *** *Caudalejeunea grolleana* Gradst. Ⓢ MDG(1).
- *** *Caudalejeunea hanningtonii* (Mitt.) Schiffn. Ⓢ ANG(2848), BEN(22), BIO(1778), DRC(2,822), ETH(2345), CMN(2), GHA(2,3013), GNB(2), GUI(2), IVO(2,53), KEN(2,731), MDG(1), MLW(563), NGA(2), PRI(48), RIM(10), SAF(2), SAO(48), SIE(2), TAN(2), UGA(50), ZIM(2).
- ** *Caudalejeunea katangensis* Vanden Berghen Ⓢ DRC(2).
- *** *Caudalejeunea lehmanniana* (Gottsche) A.Evans BEN(22), BIO(1778), CMN(2), GNB(2), NGA(2), PRI(2750), SIE(2).
Caudalejeunea lessonii Steph. 1895 = *Caudalejeunea recurvistipula* (Gottsche) Schiffn. 1893 (Mizutani 1988).
- ** *Caudalejeunea lewallei* Vanden Berghen Ⓢ BUR(2), DRC(2), ETH(2), MDG(1), MLW(563), RWA(2,2864), TAN(2), UGA(50,96), ZIM(2).
Caudalejeunea madagassa Steph. 1912 = *Caudalejeunea recurvistipula* (Gottsche) Schiffn. 1893 (Grolle 1995).
Caudalejeunea mauritiana Horik. [nom. nov. pro *Dicranolejeunea africana* Steph.] (Horikawa 1934). Listed under *Caudalejeunea* spec. by Grolle (1995), who commented that "the type of *Dicranolejeunea africana* Steph. in G from Mauritius (the only collection) is extremely scrappy and should never have been named". The report from Mauritius (Stephani 1912b) is therefore discounted.
Caudalejeunea recurvistipula (Gottsche) Schiffn. 1893 = *Caudalejeunea reniloba* (Gottsche) Steph. 1912 (Zhu et al. 2011).
- *** *Caudalejeunea reniloba* (Gottsche) Steph. COM(1), MDG(1).
Caudalejeunea stephanii Spruce 1912 = *Caudalejeunea reniloba* (Gottsche) Steph. 1912 (Mizutani 1988).
Caudalejeunea tricarinata E.W.Jones 1953 = *Caudalejeunea lehmanniana* (Gottsche) A.Evans 1907 (Schuster 1980a).
- ** *Caudalejeunea yangambiensis* (Vanden Berghen) E.W.Jones Ⓢ ANG(2848), CMN(2), CON(2), DRC(2), ETH(2345), GHA(23), RWA(2,2864), UGA(2,42).
Caudalejeunea zenkeri Steph. 1912 = *Caudalejeunea hanningtonii* (Mitt.) Schiffn. 1893 (Vanden Berghen 1948d).
- *** *Cephalojonesia incuba* Grolle et Vanden Berghen subsp. *incuba* Ⓢ DRC(2), ETH(2345), KEN(2), NGA(2), RWA(2864,2938).
Cephalozia africana Váňa 1988 = *Fuscocephaloziopsis africana* (Váňa) Váňa et L.Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia "atrovirens" Sim 1926, nom. inval. - a typographical error for *C. atroviridis* Sim 1926.
Cephalozia atro-viridis Sim 1926 = *Cylindrocolea atroviridis* (Sim) Váňa 1979 (Váňa et al. 1979) = *Cylindrocolea abyssinica* (Gola) Váňa 2013 (Váňa et al. 2013d).
- *** *Cephalozia bicuspidata* (L.) Dumort. DRC(2), KEN(2), MLW(2,114), REU(1), RWA(2864), SAF(2), TAN(2), UGA(2,42), ZIM(2859). The locality of the type of *C. vulcanicola* Steph. "Ninagongo, 3400 m, feuchte Lavaspalten" (Stephani 1911a) is considered to be in the Dem. Rep. Congo rather than in Rwanda.
Cephalozia borbonica (Steph.) Besch. 1895 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1995).
Cephalozia caffra J.B.Jack ex Bonner 1963, nom. nud. = *Cephalozia bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
Cephalozia capensis Sim 1926 = *Cephaloziella capensis* (Sim) S.W.Arnell 1952 (Váňa 1988).
Cephalozia cavifolia S.W.Arnell 1956 = *Cephalozia bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
Cephalozia connivens subsp. *fissa* Váňa 1988 = *Fuscocephaloziopsis connivens* subsp. *fissa* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia connivens var. *flagellifera* Pearson 1886 = *Cephalozia connivens* subsp. *fissa* Steph. 1891 (Sim 1926, Váňa 1988) = *Fuscocephaloziopsis connivens* subsp. *fissa* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia crassicaulis Steph. 1908 = *Cephalozia connivens* subsp. *fissa* Steph. 1891 (Váňa 1988) = *Fuscocephaloziopsis connivens* subsp. *fissa* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia denudata var. *africana* Pearson 1887 = *Odontoschisma africanum* (Pearson) Sim 1926 (Sim 1926, Grolle 1960b) = *Odontoschisma variable* (Lindenb. et Gottsche) Trevis 1977 (Gradstein 2013c).

Cephalozia fissa Steph. = *Cephalozia connivens* ssp. *fissa* (Steph.) Váňa 1988 (Váňa 1988) = *Fuscocephaloziopsis connivens* subsp. *fissa* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia grossitexta Steph. 1908 = *Cephalozia connivens* subsp. *fissa* Steph. 1891 (Váňa 1988) = *Fuscocephaloziopsis connivens* subsp. *fissa* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia heteromorpha (Lehm.) Trevis. 1877 = *Alobiellopsis heteromorpha* (Lehm.) R.M.Schust. 1969 (Váňa 1988).
Cephalozia jishibae Steph. 1924 = *Iwatsukia jishibae* (Steph.) N.Kitag. 1965 (Grolle 1965a) = *Odontoschisma jishibae* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).
Cephalozia kiaeri (Austin) Pearson 1887 = *Cephaloziella kiaeri* (Austin) Douin 1920 (Váňa 1988) = *Cylindrocolea kiaeri* (Austin) Váňa 2013 (Váňa et al. 2013d).
Cephalozia ligulata (Steph.) Besch. 1895 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1964c).
Cephalozia lycopodioides Sim 1926 = *Cephaloziella lycopodioides* (Sim) S.W.Arnell 1952 (Váňa 1988).
Cephalozia minutissima Kiaer et Pearson 1893 = *Cephaloziella kiaeri* (Austin) Douin 1920 (Váňa 1988) = *Cylindrocolea kiaeri* (Austin) Váňa 2013 (Váňa et al. 2013d).
Cephalozia natalensis Sim 1926 = *Cephaloziella natalensis* (Sim) S.W.Arnell 1952 (Váňa 1988).
Cephalozia nematodes Gottsche ex Austin 1879 = *Telaranea nematodes* (Gottsche ex Austin) M.Howe 1902 (Pócs 1984a).
Cephalozia pillansii Sim 1926 = *Alobiellopsis pillansii* (Sim) R.M.Schust. 1969 (Váňa 1988, Schuster 1969a).
Cephalozia radicans Sim 1926 = *Cephaloziella kiaeri* (Austin) Douin 1920 (Váňa 1988) = *Cylindrocolea kiaeri* (Austin) Váňa 2013 (Váňa et al. 2013d).
Cephalozia robusta Steph. 1908 = *Cephalozia bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
Cephalozia sanctae-helenae, nom. inval. The collections from St Helena (Wigginton 2012) have been assigned to *Fuscocephaloziopsis pleniceps* (Austin) Váňa et L. Söderstr.
Cephalozia tenuissima (Lehm.) Trevis. 1877 = *Cephaloziella tenuissima* (Lehm.) Steph. 1893 (Váňa 1988).
Cephalozia vaginans (Steph.) Steph. 1924 = *Cephaloziella vaginans* Steph. 1911 (Váňa 1988).
Cephalozia vallis-gratiae Gottsche 1908 = *Cephaloziella bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
Cephalozia villaumei Steph. 1924 = *Cephaloziella villaumei* (Steph.) Váňa 2013 (Váňa 2013d).
Cephalozia vulcanicola Steph. 1911 = *Cephalozia bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
Cephalozia welwitschii Steph. 1908 = *Cephaloziella welwitschii* (Steph.) Douin 1920 (Váňa 1988).
Cephaloziella abyssinica Gola 1914 = *Cylindrocolea abyssinica* (Gola) Váňa 2013 (Váňa et al. 2013d).

*** ***Cephaloziella antheliooides*** S.W.Arnell Ⓢ REU(2129), SAF(2), TAN(2785).

Cephaloziella "atro-virens" (Sim) S.W.Arnell 1955, nom. inval. = *Cephaloziella atroviridis* (Sim) E.W.Jones 1958 (Vanden Berghe 1972b) = *Cylindrocolea atroviridis* (Sim) Váňa 1979 (Váňa et al. 1979) = *Cylindrocolea abyssinica* (Gola) Váňa 2013 (Váňa et al. 2013d).
Cephaloziella atroviridis (Sim) E.W.Jones 1958 = *Cylindrocolea atroviridis* (Sim) Váňa 1979 (Váňa et al. 1979) = *Cylindrocolea abyssinica* (Gola) Váňa 2013 (Váňa et al. 2013d).

*** ***Cephaloziella biokoensis*** Váňa et Frank Müll. Ⓢ BIO(775).

*** ***Cephaloziella capensis*** (Sim) S.W.Arnell Ⓢ SAF(2).

Cephaloziella chevalieri (Steph.) Grolle 1964 = *Cylindrocolea chevalieri* (Steph.) R.M.Schust. 1969 (Schuster 1973).

*** ***Cephaloziella divaricata*** (Sm.) Schiffn. ASC(3065).

*** ***Cephaloziella garsidei*** S.W.Arnell Ⓢ SAF(2), UGA(50).

Cephaloziella flagellaris S.Hatt. 1948 = *Iwatsukia jishibae* (Steph.) N.Kitag. 1965 (Grolle 1965a) = *Odonotoschisma jishibae* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).

Cephaloziella gittinsii E.W.Jones 1960 = *Cylindrocolea gittinsii* (E.W.Jones) R.M.Schust. 1972 (Schuster 1973).

Cephaloziella jishibae (Steph.) S.Hatt. 1952 = *Iwatsukia jishibae* (Steph.) N.Kitag. 1965 (Grolle 1965a) = *Odontoschisma jishibae* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al. 2013e).

Cephaloziella kiaeri (Austin) Douin 1920 = *Cylindrocolea kiaeri* (Austin) Váňa 2013 (Váňa et al. 2013d).
Cephaloziella leonensis S.W.Arnell 1952 = *Cephaloziella capensis* (Sim) S.W.Arnell 1952 (Arnell 1963).

*** ***Cephaloziella lycopodioides*** (Sim) S.W.Arnell Ⓢ SAF(2).

*** ***Cephaloziella natalensis*** (Sim) S.W.Arnell Ⓢ SAF(2).

Cephaloziella nigerica E.W.Jones 1960 = *Cylindrocolea nigerica* (E.W.Jones) R.M.Schust. 1972 (Schuster 1973).

Cephaloziella pentagona Schiffn. ex Douin 1920 = *Cephaloziella willisana* (Steph.) N.Kitag. 1969 (Kitagawa 1969) = *Cephaloziella kiaeri* (Austin) Douin 1920 (Váňa et al. 1979) = *Cylindrocolea kiaeri* (Austin) Váňa 2013 (Váňa et al. 2013d).

Cephaloziella pillansii (Sim) S.W.Arnell 1955 = *Alobiellopsis pillansii* (Sim) R.M.Schust. 1969 (Schuster 1969a).

Cephaloziella retusa E.W.Jones 1960 = *Cylindrocolea chevalieri* (E.W.Jones) R.M.Schust. 1969 (Grolle 1964d, Schuster 1973).

*** ***Cephaloziella schelpi*** S.W.Arnell Ⓢ SAF(2).

- *** *Cephaloziella tabularis* S.W.Arnell Ⓣ SAF(2).
- *** *Cephaloziella tenuissima* (Lehm.) Steph. Ⓣ LES(75), MDG(2785), SAF(2,75), ZIM(2859).
- *** *Cephaloziella turneri* (Hook.) Müll.Frib. ASC(3065).
- *** *Cephaloziella transvaalensis* S.W.Arnell ANG(2848), COM(2785), MAU(719), MDG(2785), MLW(114), REU(2129), SAF(2), TAN(659), UGA(50), ZIM(143).
- Cephaloziella* cf. *transvaalensis* TAN(2857).
- *** *Cephaloziella triplicata* S.W.Arnell Ⓣ SAF(2).
- Cephaloziella ugandica* E.W.Jones 1960 = *Cylindrocolea ugandica* (E.W.Jones) R.M.Schust. 1972 (Schuster 1973).
- *** *Cephaloziella umtaliensis* S.W.Arnell MLW(114), MOZ(2), REU(2129), TAN(2785), UGA(776), ZIM(2).
- *** *Cephaloziella vaginans* Steph. Ⓣ DRC(2), LES(75), MLW(114), REU(45), RWA(2,2864), SIE(2), TAN(2), UGA(776). Listed in error from Cameroon in (2).
Cephaloziella vaginans var. *camerunensis* S.W.Arnell 1958 = *Cephaloziella umtaliensis* S.W.Arnell 1957 (Váňa et al. 2014).
- * *Cephaloziella villaumei* (Steph.) Váňa Ⓣ MDG(1). Known only from the type (of *Cephalozia villaumei* Steph. (Stehani 1924). According to Grolle (1995), probably closely allied to *Cephaloziella anthelioides* S.W.Arnell.
- ** *Cephaloziella welwitschii* (Steph.) Douin Ⓣ Known only from type material from Angola (Stephani 1908).
- Cephaloziella* spp. STH(2895). Described and illustrated in Wigginton (2012) but not named.
Ceratolejeunea aberrans Steph. 1923 = *Cladolejeunea aberrans* (Steph.) Zwickel 1933 (Zwickel 1933).
- *** *Ceratolejeunea andringitiae* Pócs Ⓣ MDG(2499).
- *** *Ceratolejeunea belangeriana* (Gottsche) Steph. COM(1,682), MAU(1,682,2170), MDG(1,682,720,2499), REU(1,2499), SEY(1). Listed in error from Tanzania in (2).
- ** *Ceratolejeunea beninensis* E.W.Jones et Vanden Berghen Ⓣ BEN(2), CMN(2), GHA(2), IVO(53), NGA(2).
Ceratolejeunea boschiana Steph. 1913 - treated as a synonym of *Ceratolejeunea belangeriana* (Gottsche) Steph. by Grolle (1995), but as "probably a synonym of either *C. belangeriana* or *C. cornuta*" by Pócs (2011c).
Ceratolejeunea calabariensis Steph. 1895 = *Ceratolejeunea cornuta* (Lindenb.) Steph. 1895 (Pócs 2011c).
- *** *Ceratolejeunea cornuta* (Lindenb.) Steph. ANN(2,33), BIO(2,33,1778), CMN(2,682), COM(4,2499), CON(2), DRC(2,2499), GAB(2,3013), GHA(2,682,2499), IVO(2,53,2499), MAU(1,2499), MDG(1,4,720,2499), MLW(563), MOZ(2736), NGA(2,682), PRI(2,2499,2750), REU(1), RIM(10,2499), SAO(2499,2750), SEY(4,108,2499), SIE(2), TAN(2,2499), UGA(42,96,2499).
Ceratolejeunea cornutissima Steph. 1892 perhaps = *Ceratolejeunea diversicornua* (Prantl) Schiffn. ex P.Syd 1893 (Vanden Berghen 1977) = *Ceratolejeunea coarina* (Gottsche) Schiffn. 1893 (Gradstein 2013c).
- *** *Ceratolejeunea coarina* (Gottsche) Schiffn. CMN(2,682), DRC(2,130,2499), GAB(2499), GHA(2), MDG(2499), RWA(2864,2938). Sterile material was reported from Bioko under *Ceratolejeunea* cf. *diversicornua* in Müller & Pócs (2007).
Ceratolejeunea diversicornua (Prantl) Schiffn. ex P.Syd.w 1894 = *Ceratolejeunea coarina* (Gottsche) Schiffn. 1893 (Gradstein 2013c).
- *** *Ceratolejeunea fallax* (Lehm. et Lindenb.) Bonner. A collection from São Tomé (*Müller* 46 p.p.), cited by Bonner (1953), requires clarification. *C. fallax* is confirmed only from the neotropics.
- ** *Ceratolejeunea floribunda* Steph. Ⓣ SAO(2,682).
Ceratolejeunea jungneri Steph. 1895 = *Ceratolejeunea calabariensis* Steph. 1895 (Vanden Berghen 1973) = *Ceratolejeunea cornuta* (Lindenb.) Steph. 1895 (Pócs 2011c).
- * *Ceratolejeunea kuerschneri* Eb.Fisch. et Vanderp. Ⓣ GAB(2396).
Ceratolejeunea mascarena Steph. 1892 = *Ceratolejeunea belangeriana* (Gottsche) Steph. 1913 (Grolle 1978).
Ceratolejeunea mauritiana Steph. 1892 = *Ceratolejeunea belangeriana* (Gottsche) Steph. 1913 (Grolle 1995).
- *** *Ceratolejeunea papuliflora* Steph. Ⓣ MDG(1,682,2499), NGA(2,2499), SEY(2499), REU(2360,2499).
Ceratolejeunea renauldii Steph. 1892 = *Lejeunea alata* Gottsche 1845 (Grolle 1977).
Ceratolejeunea saxbyi Pearson 1921 = *Ceratolejeunea calabariensis* Steph. 1895 (Jones & Harrington 1983) = *Ceratolejeunea cornuta* (Lindenb.) Steph. 1895 (Pócs 2011c).

*** *Ceratolejeunea sarolae* Pócs (E) MDG(2499).

Ceratolejeunea stictophylla Herzog, in Vanden Berghen 1951 = *Ceratolejeunea papuliflora* Steph. 1913
(Pócs 2011c).

*** *Ceratolejeunea umbonata* Steph. (E) BIO(2,33), CMN(2,682), LBR(682), REU(2360,2499).

Reported from São Tomé, according to E.W.Jones in Wigginton (2004), but the record requires confirmation.

Ceratolejeunea usambarensis Steph. 1913 = *Ceratolejeunea jungneri* Steph. 1895 (Vanden Berghen 1951a) =
Ceratolejeunea calabariensis Steph. 1895 (Vanden Berghen 1973) = *Ceratolejeunea cornuta* (Lindenb.)
Steph. 1895 (Pócs 2011c).

Ceratolejeunea variabilis (Lindenb.) Pearson 1982 = *Ceratolejeunea cornuta* (Lindenb.) Steph. 1895 (Dau-
phin 2000).

** *Ceratolejeunea zenkeri* Steph. (E) BIO(2,33), CMN(2), DRC(130), GAB(2), GHA(2),

IVO(53), MOZ(2736), NGA(2), SIE(2), TAN(2). Vanden Berghen (1951a) considered the type
of *C. zenkeri* to match *C. calabariensis* Steph.

Chalubinskia africana Rehm. = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts
2008).

Chandonanthus bifidus Steph. ? nom. herb [Malawi (Bonner 1962-63)] is a species of *Herbertus* (J. Váňa, in
litt.).

Chandonanthus birmensis Steph. 1899 = *Plicanthus birmensis* (Steph.) R.M.Schust. 2002 (Schuster 2002b).

Chandonanthus cavallii (Gola) S.W.Arnell 1956 = *Blepharostoma cavallii* Gola 1907 (Arnell 1956a) = *Tet-
ralophozia cavallii* (Gola) Váňa 1993 (Váňa 1993).

Chandonanthus giganteus Steph. 1911 = *Plicanthus giganteus* (Steph.) R.M.Schust. 2002 (Schuster 2002b).

Chandonanthus hirtellus (F.Weber) Mitt. 1873 subsp. *hirtellus* = *Plicanthus hirtellus* (F.Weber) R.M.Schust.
2002 (Schuster 2002b).

Chandonanthus hirtellus subsp. *giganteus* (Steph.) Vanden Berghen 1965 = *Plicanthus giganteus* (Steph.)
R.M.Schust. 2002 (Schuster 2002b).

Chandonanthus perlo Gola 1914 = *Plicanthus hirtellus* (F.Weber) R.M.Schust. (Váňa et al. 2013c).

Chandonanthus quadrifidus Steph. 1911 = *Chandonanthus cavallii* (Gola) S.W.Arnell 1956 (Arnell 1956a) =
Tetralophozia cavallii (Gola) Váňa 1993 (Váňa 1993).

Chandonanthus setiformis sensu Vanden Berghen 1965 [non (Ehrh.) Lindb.] = *Tetralophozia cavallii* (Gola)
Váňa 1993 (Schuster 2002b).

Cheilolejeunea africana (Steph.) E.W.Jones 1954 = *Cheilolejeunea silvestris* var. *involuta* (Steph.)
E.W.Jones 1974 (Jones 1974a) = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).

** *Cheilolejeunea ascensionis* (Hook.f. et Taylor) Grolle (E) ASC(2,3065), STH(2,2895).

Cheilolejeunea brachytoma (Gottsche) R.M.Schust. 1980 = *Cheilolejeunea trifaria* (Reinw., Blume et Nees)
Mizut. 1964 (Grolle 1978).

Cheilolejeunea brevifissa (Gottsche) R.M.Schust. 1963 = *Cheilolejeunea krakakammae* (Lindenb.)
R.M.Schust. 1963 (Jones 1988).

** *Cheilolejeunea camerunensis* S.W.Arnell (E) CMN(2), NGA(2).

** *Cheilolejeunea compressa* (Herzog) Grolle (E) COM(1).

Cheilolejeunea corbieri Steph. (fide Stephani 1913a). The name is otherwise unknown; not included in Sp.
Hepat. 5 (1914).

** *Cheilolejeunea convexa* (S.W.Arnell) S.W.Arnell (E) SAF(2).

*** *Cheilolejeunea cordigera* (Steph.) Grolle (E) MAU(1,2170), MDG(1,720), REU(2129).

** *Cheilolejeunea cordistipula* (Steph.) Grolle ex E.W.Jones (E) BIO(2,33), CMN(2),

ETH(2,2345), GHA(3013), KEN(2,731,759), MDG(1), MLW(563), REU(1), RWA(2864),
TAN(2), UGA(2).

Cheilolejeunea crenulata Steph. in Paris 1902, nom. inval. = *Cheilolejeunea principensis* Steph. ex Paris
1888, nom. inval (Jones 1954b) = *Cheilolejeunea serpentina* (Mitt.) Mizut. 1963 (Grolle 1979d) =
Cheilolejeunea rigidula (Nees ex Mont.) R.M.Schust. 1971 (Bastos 2012).

Cheilolejeunea cucullata Steph. 1914 = *Haplolejeunea cucullata* (Steph.) Grolle 1979 (Grolle 1979b).

Cheilolejeunea decurrens (Steph.) X.-L.He 1995 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976
(K.Yamada, in Wigginton & Grolle 1996).

*** *Cheilolejeunea decisiva* (Sande Lac.) R.M.Schust. CAF(2), CMN(2), COM(1), DRC(2),
GUI(2), KEN(2804), MDG(1,720), MLW(2), REU(1), SIE(2), TAN(2).

** *Cheilolejeunea diversifolia* Augier (E) CMN(2). To be re-assessed.

** *Cheilolejeunea ecarinata* Vanden Berghen (E) REU(1,4).

Cheilolejeunea exigua Steph. 1914 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont.
1843 (Pócs 2010a).

Cheilolejeunea exinnovata E.W.Jones 1982 = *Cheilolejeunea larsenii* Mizut. 1969 (Shu et al. 2015).

** *Cheilolejeunea fischeri* Malombe (E) KEN(2357,2804).

- Cheilolejeunea inflata* Steph. 1914 = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Grolle 1979d).
- *** ***Cheilolejeunea intertexta*** (Lindenb.) Steph. ANG(2848), BEN(22), BIO(1778), CAF(2), CMN(2), CON(2), ETH(2), GAB(2396), GHA(2,3013), GUI(2), IVO(2), KEN(2), MAU(2170), MDG(1,720), NGA(2), PRI(2,2750), REU(1), SAF(2), SIE(2), TAN(2), UGA(42,50,2804).
- *** ***Cheilolejeunea krakakammae*** (Lindenb.) R.M.Schust. BIO(1778), BUR(2), COM(1), DRC(2,130,822), ETH(2,2345), KEN(2,731,759,2804), MAU(2170), MDG(1,720), MLW(563), REU(1), RWA(2,130,2864), SAF(2,75), TAN(2), UGA(2,42,2804), ZIM(2).
Cheilolejeunea kurzii Steph. 1890 = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Grolle 1979d).
- Cheilolejeunea cf. krakakammae*** (Lindenb.) R.M.Schust. ETH(1002).
Cheilolejeunea latiflora Steph. The isotype (PC), from the Central African Republic is annotated as
Cheilolejeunea intertexta.
Cheilolejeunea latistipula Steph. 1913 = *Lejeunea wilmsii* (Steph.) Steph. 1915 [= *Eulejeunea wilmsii* Steph. 1892] (Vanden Berghe 1972b) = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).
- ** ***Cheilolejeunea larsenii*** Mizut. GHA(2), SIE(2), ZIM(2).
- * ***Cheilolejeunea laurentii*** Steph. To be re-assessed. Known only from the type from the Democratic Republic of the Congo (Stephani 1914). Jones (1954b) considered it did not belong to *Cheilolejeunea*.
- * ***Cheilolejeunea longiflora*** (Taylor) R.M.Schust. Reported from São Tomé by Stephani (Sp. Hepat. 5: 587), but requiring re-assessment. This rarely reported neotropical species is considered by Gradstein & Costa (2003) to be perhaps conspecific with *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut.
Cheilolejeunea madagassa Steph. 1914 = *Cheilolejeunea principensis* Steph. ex Paris 1888, nom. inval (Jones 1954b) = *Cheilolejeunea serpentina* (Mitt.) Mizut. 1963 (Grolle 1979d) = *Cheilolejeunea rigidula* (Nees ex Mont.) R.M.Schust. 1971 (Bastos 2012).
Cheilolejeunea mariana (Gottsche) B.Thiers et Gradst. 1989 Reported from the Seychelles (2), but the specimen has been redetermined as *Archilejeunea planiuscula* (Mitt.) Steph. [= *Spruceanthus planiusculus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015] (Grolle 1995).
- ** ***Cheilolejeunea microscypha*** (Hook.f. et Taylor) M.Wigginton Ⓢ STH(1292,2426,2895).
- *** ***Cheilolejeunea montagnei*** (Gottsche ex Mont.) R.M.Schust. Ⓢ BIO(1778), COM(1), DRC(2), KEN(2), MAU(1), MDG(1,720), NGA(3083), REU(1,4), RWA(2,130,2864), SAO(2,2684), TAN(2).
Cheilolejeunea multiflora Steph. 1895 = *Lepidolejeunea multiflora* (Steph.) R.M.Schust. 1980 (Piippo 1986).
Cheilolejeunea newtonii Schiffn. 1893 = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Malombe 2007).
- ** ***Cheilolejeunea ngongensis*** Malombe et Pócs Ⓢ KEN(2357).
Cheilolejeunea obtusistipula Steph. 1914 = *Lejeunea obtusistipula* (Steph.) E.W.Jones 1989 (Jones 1989) = *Lejeuna anisophylla* Mont. 1843 (Pócs 2010a).
- *** ***Cheilolejeunea omphalogastria*** Pócs Ⓢ RWA(2,2864).
- ** ***Cheilolejeunea pluriplicata*** (Pearson) R.M.Schust. ANG(2), DRC(2), ETH(2), KEN(2,71), MAU(2170), MDG(1), MLW(563), MOZ(2), REU(2360), SAF(2), TAN(2), UGA(2,96).
- ** ***Cheilolejeunea pocsii*** E.W.Jones Ⓢ KEN(21,731,759), MDG(1), MLW(563), REU(2360), RWA(2,2864), SAF(2), TAN(2), UGA(115).
Cheilolejeunea principensis Steph. ex Paris 1906 [non 1888, nom. inval.] = *Cheilolejeunea serpentina* (Mitt.) Mizut. 1963 (Grolle 1979d) = *Cheilolejeunea rigidula* (Nees ex Mont.) R.M.Schust. 1971 (Bastos 2012).
Cheilolejeunea robillardii (Steph.) R.M.Schust. 1980 = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Grolle & Onraedt 1974).
- *** ***Cheilolejeunea rigidula*** (Nees ex Mont.) R.M.Schust. ANN(2,33), BIO(2,33,1778), CMN(2,2534), COM(1,4), DRC(2), GHA(2,2534,3013), GUI(2), IVO(2,2534), KEN(48), MAU(1,108), MDG(1,4,720), NGA(2), PRI(2,2534,2684), REU(1), RIM(10), SAO(2534), SEY(1,4,13,108), SIE(2), TAN(2).
- *** ***Cheilolejeunea roccatii*** (Gola) W.Ye, R.L.Zhu et Gradst. Ⓢ DRC(2), RWA(2,2864), UGA(2,96).
- *** ***Cheilolejeunea rotalis*** (Hook.f. et Taylor) M.Wigginton Ⓢ STH(2,49,55,1292,2426,2895).
- *** ***Cheilolejeunea rotundistipula*** (Lindenb. ex Lehm.) Malombe Ⓢ KEN(2357), LES(75), MAU(1,2170), MLW(563,2357), REU(1), SAF(2,75,2357), ZIM(2).
- ** ***Cheilolejeunea rufescens*** (Lindenb.) Grolle A little-studied species confirmed only from Argentina. The report from South Africa (Mitten 1877) to be re-assessed.
- ** ***Cheilolejeunea ruwenzorensis*** (S.W.Arnell) R.M.Schust. Ⓢ DRC(2), UGA(2).
Cheilolejeunea serpentina (Mitt.) Mizut. 1963 = *Cheilolejeunea rigidula* (Nees ex Mont.) R.M.Schust. 1971

- (Bastos 2012).
- Cheilolejeunea silvestris* (Gottsche) E.W.Jones 1974 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).
- Cheilolejeunea silvestris* var. *involuta* (Steph.) E.W.Jones 1974 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).
- ** *Cheilolejeunea surrepens* (Mitt.) E.W.Jones ANG(2848), ANN(2,33), CMN(2), COM(1,4), DRC(130), GHA(2), IVO(2,53), KEN(2,731), MAU(1,2170), MDG(1,720), MLW(563), NGA(2), REU(1), ROD(1,723), SAO(2750), SEY(1,4,2021), SIE(2), TAN(2,736), UGA(2,42,96).
- Cheilolejeunea tisserantii* Jovet-Ast et Vanden Berghen 1951 = *Cheilolejeunea recursiva* (Sande Lac.) R.M.Schust. 1963 (Grolle 1977).
- *** *Cheilolejeunea trapezia* (Nees) Mizut. COM(2366), DRC(130), UGA(2804).
- *** *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. BIO(33), CAF(2), CMN(2), DRC(2), GAB(2), GHA(2,3013), MAU(1,2170), MDG(1,720), PRI(2750), REU(1), ROD(723), RWA(2,2864), SAO(2,2684), SEY(1,4,108), SIE(2), TAN(2), TOG(48), UGA(2,96,2804), ZIM(2).
- * *Cheilolejeunea ulugurica* Malombe, Eb.Fisch. et Pócs Ⓢ TAN(2357,2386). Possibly conspecific with *Cheilolejeunea chenii* R.L.Zhu et M.L.So (Ye *et al.* 2013).
- *** *Cheilolejeunea unciloba* (Lindenb.) Malombe KEN(731,2357), SAF(2), TAN(2,2357), UGA(776).
- ** *Cheilolejeunea usambarana* (Steph.) Grolle Ⓢ CMN(2), CON(2), ETH(2345), GUI(2), KEN (731), MLW(563), REU(1), SIE(2), TAN(2).
- ** *Cheilolejeunea ventricosa* (Schiffn. ex P.Syd.) Xiao L.He MAU(108).
- *** *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe BIO(2,33), COM(4), DRC(2,2357), ETH(2,2345), KEN(2,731,2357), MDG(4), MLW(563), MOZ(2,2357), REU(1,4), RWA(2,2357,2864), SAF(2,2357), TAN(2,2357), UGA(2,42,2357), ZIM(2,822,2357).
- Cheilolejeunea* sp. (*Prionolejeunea corbisieri* Pearson 1922). The type (and only) collection of *Prionolejeunea corbisieri* from D. R. Congo (Pearson 1922) was identified by Ilku-Borges (2005) as a *Cheilolejeunea* sp. She noted that part of the collection was correctly identified by Vanden Berghen (1952) as a *Lejeunea* sp., but that it was not the type.
- Chiloscyphus* - nomenclature in this checklist follows e.g. Söderström, Crandall-Stotler *et al.* (2013) who treated the genus narrowly. However, the generic position of several species of the Lophocoleaceae remain unclear, including one African species, currently listed under *Cheilolejeunea leper-vanhei* (Steph.) J.J.Engel et R.M.Schust.
- Chiloscyphus angustistipulus* (Steph.) J.J.Engel et R.M.Schust. 1985 = *Lophocolea angustistipula* Steph. 1922 (Söderström *et al.* 2016).
- Chiloscyphus ankefinensis* Gottsche 1907 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
- Chiloscyphus argutus* (Reinw., Blume et Nees) Nees 1845 = *Heteroscyphus argutus* (Reinw., Blume et Nees) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus armatistipulus* Steph. 1893 = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus ascensionis* (Steph.) J.J.Engel et R.M.Schust. 1984 = *Lophocolea ascensionis* Steph. 1922.
- Chiloscyphus bewsii* (Sim) J.J.Engel et R.M.Schust. 1984 = *Lophocolea bewsii* (Sim) Grolle 1959.
- Chiloscyphus coadunatus* (Sw.) J.J.Engel et R.M.Schust. 1984 = *Lophocolea bidentata* (L.) Dumort. 1835.
- Chiloscyphus concretus* (Mont.) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Lophocolea concreta* Mont. 1845.
- Chiloscyphus congoanus* (Steph.) J.J.Engel et R.M.Schust. 1984 = *Lophocolea martiana* Nees 1845 (Gradstein *et al.* 1983) = *Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström *et al.* 2013b).
- Chiloscyphus connatus* (Sw.) J.J.Engel et R.M.Schust. 1984 = *Lophocolea connata* (Sw.) Mont. et Nees 1839.
- Chiloscyphus cuspidatus* (Nees) J.J.Engel et R.M.Schust. 1984 = *Lophocolea bidentata* (L.) Dumort. 1835 (Smith 1990).
- Chiloscyphus decurrens* (Reinw., Blume et Nees) Nees 1845 = *Heteroscyphus splendens* (Lehm. et Lindenb.) Grolle 1984 (Grolle & Piippo 1984).
- Chiloscyphus difformis* (Nees) J.J.Engel et R.M.Schust. 1984 = *Lophocolea difformis* Nees 1845 (Söderström, Crandall-Stotler *et al.* 2013).
- Chiloscyphus dubius* Gottsche 1882 = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus expansus* (Lehm.) Nees 1845 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).

- Chiloscyphus fasciculatus* (Nees) Gottsche, Lindenb. et Nees 1845 = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Grolle 1960a, Engel 1980).
- Chiloscyphus fragrans* (Moris et De Not.) J.J.Engel et R.M.Schust. 1984 = *Lophocolea fragrans* (Moris et De Not.) Gottsche, Lindenb. et Nees 1845.
- Chiloscyphus grandistipus* Steph. 1890 = *Heteroscyphus grandistipus* (Steph.) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus hamatistipulus* Steph. 1907 = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus humistratus* (Hook.f. et Taylor) J.J.Engel et R.M.Schust. 1984 = *Lophocolea humistrata* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847.
- ** *Chiloscyphus lepervanchei* (Steph.) J.J.Engel et R.M.Schust. Known only from the type from Réunion (Stephani 1907). The generic position of *C. lepervanchei* is yet to be established, but Jones (1953c) considered it to be perhaps conspecific with *Lophocolea opposita* Mitt. (= *L. lucida* (Spreng.) Mont.).
- Chiloscyphus lillienii* (Steph.) J.J.Engel et R.M.Schust. 1985 = *Cryptolophocolea lilliana* (Steph.) L.Söderstr. 2013 (Söderström et al. 2013b).
- Chiloscyphus lindenbergianus* ("lindenbergii") Nees 1845 = *Lophocolea semiteres* (Lehm.) Mitt. 1877 (Grolle 1959).
- Chiloscyphus loangensis* Steph. 1893 probably = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus lucidus* (Spreng. ex Lehm.) Nees 1845 = *Lophocolea lucida* (Spreng.) Mont. 1939.
- Chiloscyphus madagascariensis* (Gottsche) J.J.Engel et R.M.Schust. 1984 = *Lophocolea madagascariensis* Gottsche 1882.
- Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1985 = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stoll. et Stotler 2013 (Söderström et al. 2013b).
- Chiloscyphus mascarenensis* S.W.Arnell 1965 = *Chiloscyphus decurrens* (Reinw., Blume et Nees) Nees 1845 (Pócs 1976) = *Heteroscyphus splendens* (Lehm. et Lindenb.) Grolle 1984 (Grolle & Piippo 1984).
- Chiloscyphus minor* (Nees) J.J.Engel et R.M.Schust. 1984 = *Lophocolea minor* Nees 1836.
- Chiloscyphus mollis* (Nees) J.J.Engel et R.M.Schust. 1984 = *Lophocolea mollis* (Nees) Gottsche, Lindenb. et Nees 1845.
- Chiloscyphus muhavurensis* S.W.Arnell 1956 = *Lophocolea muhavurensis* (S.W.Arnell) S.W.Arnell ex Pócs 1979.
- Chiloscyphus muricatus* (Lehm.) J.J.Engel et R.M.Schust. 1984 = *Lophocolea muricata* (Lehm.) Nees 1845.
- Chiloscyphus oblongifolius* Mitt. 1860, hom. illeg. [non (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847] = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus occidentalis* (Steph.) J.J.Engel et R.M.Schust. 1984 = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus rabenhorstii* Steph. 1906 = *Lophocolea fasciculata* (Nees) S.W.Arnell et Grolle in Grolle 1959 (Grolle 1959) = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Engel 1980).
- Chiloscyphus regularis* Steph. 1893 [non *Chiloscyphus regularis* Steph. 1906 hom. illeg.] = *Cryptolophocolea regularis* (Steph.) L.Söderstr. 2013 (Söderström et al. 2013b).
- Chiloscyphus renauldii* Steph. 1907. Reported from Mauritius (Stephani 1907; Tixier & Gueho 1997); probably a synonym of *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Chiloscyphus semiteres* (Lehm.) Lehm. et Lindenb. 1845 (Grolle 1959) = *Lophocolea semiteres* (Lehm.) Mitt. 1877 (Söderström et al. 2013b).
- Chiloscyphus silvestris* (Gottsche) J.J.Engel et R.M.Schust. 1984 = *Lophocolea silvestris* Gottsche 1882.
- Chiloscyphus spectabilis* Steph. 1891 = *Heteroscyphus spectabilis* (Steph.) Schiffn. 1910 (Grolle & Piippo 1984).
- Chiloscyphus thomeensis* Steph. 1893 perhaps = *Heteroscyphus spectabilis* (Steph.) Schiffn. 1910 (Váňa 1982).
- Chiloscyphus trapezoides* Sande Lac. 1855 = *Conoscyphus trapezoides* (Sande Lac.) Schiffn. 1898 (Grolle 1995).
- ** *Chonecolea ruwenzorensis* E.W.Jones (E) UGA(2,50,96).
- Cilioljeunea capensis* S.W.Arnell 1953 = *Lejeunea arnelliana* R.M.Schust. 1965 (Jones 1974c) = *Lejeunea villaumei* (Steph.) Grolle 1977 (Grolle 1977).
- Cincinnulus bidentulus* (F.Weber) Steph. 1895 = *Calypogeia bidentula* (F.Weber) Nees 1845 (Bischler 1970).
- Cladolejeunea aberrans* (Steph.) Zwickerl 1933 = *Lejeunea gradsteiniana* Pócs 2010 (Pócs 2010d).
- *** *Clasmatocolea fasciculata* (Nees) Grolle (E) SAF(2,97).
- *** *Clasmatocolea vermicularis* (Lehm.) Grolle BUR(2,97), CMN(2), DRC(2,97), ETH(2,2345), LES(2,75), MAU(2170), MDG(97), MLW(2,29), NGA(2), REU(1,97), RWA(2,2864), SAF(2,97), TAN(2,97), UGA(115), ZIM(2,97).
- Clevea pulcherrima* Steph. 1895 = *Athalamia pulcherrima* (Steph.) S.Hatt. 1954 (Shimizu & Hattori 1954).
- *** *Clevea spathysii* (Lindenb.) Müll.Frib. NAM(2,1132), SAF(1132), SOC(764), TAN(2).
- *** *Cololejeunea adhaesiva* (Mitt.) R.M.Schust. BIO(1778), TAN(2).

- ** *Cololejeunea adnata* Tixier (E) MDG(1).
- *** *Cololejeunea africana* (Steph.) R.M.Schust. (E) CMN(2), KEN(2,731), SAO(2,2684), SIE(2), TAN(2).
- *** *Cololejeunea amaniensis* Pócs (E) TAN(2).
- ** *Cololejeunea andapania* Tixier (E) MDG(1).
- Cololejeunea androphylla* E.W.Jones 1954 = *Cololejeunea cuspidata* (Steph.) R.M.Schust. 1963 (Tixier 1976; Pócs 1995; Pócs & Piippo 2011) = *Cololejeunea wightii* Steph. 1895 (Kitagawa 1973; Zhu & So 1999).
- Cololejeunea androphylla* var. *madecassa* Tixier 1977 = *Cololejeunea obtusifolia* var. *madecassa* (Tixier) Pócs 2014 (Pócs *et al.* 2015a).
- *** *Cololejeunea ankaiana* Tixier (E) MDG(1).
- ** *Cololejeunea antillana* Pócs (E) GAB(2396).
- *** *Cololejeunea apiculata* (E.W.Jones) R.M.Schust. (E) ANG(2848), CMN(2), ETH(2345), TAN(2), UGA(50).
- *** *Cololejeunea appressa* (A.Evans) Benedix BIO(1778), COM(1), IVO(2), DRC(130), KEN(2), MAU(2170), MDG(1,720), MLW(563), REU(1), RWA(2864,2938), SEY(1), SIE(2), TAN(2), UGA(2).
- ** *Cololejeunea attilana* Pócs (E) TAN(736).
- * *Cololejeunea augieri* Tixier (E) RWA(130,2864).
- *** *Cololejeunea auriculata* (E.W.Jones) R.M.Schust. (E) CMN(2), KEN(2), MDG(1,720), NGA(2), SEY(1), UGA(42).
- ** *Cololejeunea autoica* (Steph.) Grolle (E) COM(1). The report from Tanzania (Stephani 1913a) to be re-assessed.
- ** *Cololejeunea bandamiae* Tixier (E) COM(1).
- ** *Cololejeunea bebourensis* Tixier (E) COM(1), REU(1).
- Cololejeunea bichiana* Tixier 1974 = *Cololejeunea platyneura* (Spruce) A.Evans 1902 (Tixier 1989).
- ** *Cololejeunea bidentula* (Steph.) E.W.Jones ETH(2345), KEN(2,731), MAU(1,2170), MDG(1), REU(1), TAN(2), UGA(42).
- Cololejeunea bolombensis* (Steph.) Vanden Berghe 1972 = *Cololejeunea lanciloba* Steph. 1895 (Zhu & So 2001).
- *** *Cololejeunea borbonica* Tixier (E) REU(152). Tixier's report from Réunion (Tixier 1979a) was erroneously cited as from Madagascar in Grolle (1995).
- ** *Cololejeunea borhidiana* Pócs (E) TAN(2).
- ** *Cololejeunea bosseriana* Tixier (E) REU(1).
- ** *Cololejeunea calcarata* E.W.Jones (E) GHA(2).
- * *Cololejeunea camusii* Tixier (E) MDG(1).
- Cololejeunea capensis* S.W.Arnell 1953 = *Cololejeunea grossepapillosa* (Horik.) N.Kitag. 1981 (Pócs & Bernecker 2009).
- ** *Cololejeunea capuronii* Tixier (E) MDG(1), RWA(2864,2938).
- *** *Cololejeunea cardiocarpa* (Mont.) A.Evans ANG(2848), ASC(2,3065), BUR(2), CMN(2), DRC(2,130), ETH(2345), KEN(2,665,731,2066), MDG(1), MLW(563), REU(2360), RWA(130,2864,2938), SAF(2), SIE(2), SWZ(2), TAN(2,736), UGA(2), ZIM(2).
- Cololejeunea cardiocarpoides* Tixier 1995 = *Cololejeunea cardiocarpa* (Mont.) A.Evans 1902 (Pócs *et al.* 2015a).
- *** *Cololejeunea ceatocarpa* (Ångstr.) Steph. REU(1).
- ** *Cololejeunea chuahiana* Pócs (E) KEN(738). This taxon may belong to *Myriocoleopsis*, but its status is unclear because of the lack of molecular data (Yu *et al.* 2014).
- Cololejeunea clavatopapillata* Steph. 1895 = *Cololejeunea jamesii* (Austin) M.E.Reiner et Pócs 2015 (Pócs, Zhu *et al.* 2015).
- *** *Cololejeunea cornuta* E.W.Jones (E) GHA(2), NGA(2), RIM(10), SIE(2).
- Cololejeunea crenatiflora* Steph. 1891, nom. inval. perhaps = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Grolle 1995). Jones (1954e) considered *C. crenatiflora* and *C. obliqua* to be closely related but probably not conspecific, and Tixier (1989) noted that *C. crenatiflora* "diffère de *C. obliqua* par de petits détails". Grolle (1995) accepted the synonymy with hesitation.
- Cololejeunea crenatiflora* (Steph.) Vanden Berghe 1972 perhaps = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Grolle 1995). See above.

- Cololejeunea crenatiflora* var. *orientalis* Tixier 1985 perhaps = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Grolle 1995). See above.
- ** *Cololejeunea cristata* (Steph.) R.M.Schust. ⑩ DRC(130), KEN(2,731), MAU(1,108,2170), MDG(1).
- ** *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog COM(1), MAU(1,2170), MDG(1,4), REU(1), ROD(1), TAN(2).
- ** *Cololejeunea cuneifolia* Steph. ⑩ BIO(1778), CMN(2), DRC(2,130), GAB(2396), GHA(2,3013), GUI(2), IVO(2), NGA(2), PRI(2750), RIM(10), RWA(2864,2938), SIE(2), TAN(2), UGA(2,42,50).
Cololejeunea cuspidata (Steph.) R.M.Schust. 1963 = *Cololejeunea wightii* Steph. 1895 (Kitagawa 1973; Zhu & So 1999).
- ** *Cololejeunea decemplicata* (Steph.) Tixier ⑩ MDG(1), REU(1).
- ** *Cololejeunea dentata* (E.W.Jones) R.M.Schust. ⑩ ANG(2848), CMN(2), DRC(2), GHA(2), KEN(2), SIE(2), TAN(2), UGA(50).
- * *Cololejeunea deroinii* Tixier ⑩ MDG(1).
- * *Cololejeunea deslooveri* Vanden Berghen ⑩ DRC(2). Possibly conspecific with *Cololejeunea cristata* (Steph.) R.M.Schust (Söderström *et al.* 2016).
- *** *Cololejeunea dianae* M.Wigginton ⑩ STH(1761,2895).
- *** *Cololejeunea diaphana* A.Evans ANG(2848), BIO(72,1778), MLW(563), UGA(115).
- *** *Cololejeunea diplasiolejeuneoides* Tixier ⑩ MDG(1).
- ** *Cololejeunea disciflora* Tixier ⑩ MDG(1). This taxon may belong to *Myriocoleopsis*, but its status is unclear because of the lack of molecular data (Yu *et al.* 2014).
Cololejeunea dissita E.W.Jones 1954 = *Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Jones & Harrington 1983) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu *et al.* 2014).
- *** *Cololejeunea distalopapillata* (E.W.Jones) R.M.Schust. ⑩ COM(1), DRC(2,130), ETH(2345), KEN(2,731,2066), MDG(1,720), MLW(563), RWA(2,130), SAF(3054,3055), TAN(2), UGA(42,50), ZIM(2). Treated as endemic to sub-Saharan Africa. Recently reported from India, but the description does not match that of *C. distalopapillata*.
- ** *Cololejeunea dolichodonta* Tixier ⑩ MDG(1).
Cololejeunea duvignaudii E.W.Jones 1954 = *Cololejeunea zenkeri* (Steph.) E.W.Jones 1954 (Pócs *et al.* 2015a).
Cololejeunea duvignaudii var. *papillata* Tixier 1977 = *Cololejeunea zenkeri* (Steph.) E.W.Jones 1954 (Pócs *et al.* 2015a).
- *** *Cololejeunea elegans* Steph. BIO(1778), CMN(2), COM(1), ETH(2345), GHA(2), KEN(2), MAU(2170), MDG(1,720), MLW(563), MOZ(2736), RIM(10), TAN(2).
Cololejeunea erectifolia Steph. 1895 = *Leptocolea subciliata* (Mitt.) E.W.Jones 1953 (Jones 1954e) = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
Cololejeunea fadenii Pócs 1975 = *Cololejeunea clavatopapillata* Steph. 1895 (Pócs & Bernecker 2009) = *Cololejeunea jamesii* (Austin) M.E.Reiner et Pócs 2015 (Pócs, Zhu *et al.* 2015).
- ** *Cololejeunea eustacei* Pócs ⑩ BIO(1778), GUI(106), NGA(104,106), SIE(25). The collections from Guinea, Nigeria and Sierra Leone were originally placed by E.W.Jones in *C. peraffinis* var. *elegans*, though he later became uncertain of their taxonomic position. Pócs (in Pócs & Müller 2007) found they should be assigned to *C. eustacei* Pócs
- ** *Cololejeunea falcata* var. *madecassa* Tixier ⑩ MDG(1).
Cololejeunea filicaulis Steph. 1892 = *Cololejeunea hildebrandii* (Austin) Steph. 1897 (Tixier 1985).
- * *Cololejeunea fischeri* Tixier ⑩ RWA(130,2864), DRC(130).
- *** *Cololejeunea floccosa* (Lehm. et Lindenb.) Schiffn. IVO(2), MDG(1), SIE(2).
- ** *Cololejeunea floccosa* var. *trivittata* Tixier MDG(1).
- * *Cololejeunea frahmii* Tixier ⑩ RWA(130,2864). Probably only a depauperate form of *Cololejeunea elegans* Steph. or *Cololejeunea zenkeri* (Steph.) E.W.Jones (Söderström *et al.* 2016).
- *** *Cololejeunea furcilibulata* (Berrie et E.W.Jones) R.M.Schust. ANG(2848), COM(2366), MDG(1), NGA(2), SEY(4), TAN(2,736).
- *** *Cololejeunea grossepapillosa* (Horik.) N.Kitag. BUR(2), DRC(2,130), ETH(2345), MLW(2,563), RWA(2,2864), SAF(2), TAN(2), UGA(50), ZIM(2).
- *** *Cololejeunea grolleana* Pócs ⑩ TAN(2).

*** *Cololejeunea grossestylo* M.Wigginton (E) STH(1761,2895).

Cololejeunea grossidens Steph. 1900, nom. nud. = *Cololejeunea malanjae* Steph. 1902 (Vanden Berghen 1978b).

Cololejeunea grossidens (Steph.) E.W.Jones 1953 = *Cololejeunea malanjae* Steph. 1902 (Vanden Berghen 1978b).

Cololejeunea guehoi Tixier, nom. inval. (E) MAU(1,1115,2170).

*** *Cololejeunea harrisii* Pócs (E) RWA(130,2864), TAN(2).

Cololejeunea harrisii sensu Vanden Berghen 1977 = *Cololejeunea magna* (Tixier) M.Infante et Heras 1999 (Infante & Heras 1999).

Cololejeunea harrisii var. *magna* Tixier 1995 = *Cololejeunea magna* (Tixier) M.Infante et Heras 1999 (Infante & Heras 1999).

*** *Cololejeunea haskarliana* (Lehm.) Schiffn. REU(1), SEY(1).

Cololejeunea heterolobula Tixier 1995 = *Cololejeunea obtusifolia* (E.W.Jones) Tixier 1995 (Pócs et al. 2015a).

*** *Cololejeunea hildebrandii* (Austin) Steph. CMN(2), COM(1), DRC(130), ETH(2),

KEN(2,731), MDG(1), REU(1), RWA(2,130,2864), TAN(2).

Cololejeunea himalayensis (Pandé et Misra) R.M.Schust. 1963 = *Cololejeunea latilobula* (Herzog) Tixier 1985 (Tixier 1985).

Cololejeunea hyalinomarginata (Nees ex Mont.) Grolle 1981 = *Cololejeunea marginata* (Lehm. et Lindenb.) Pearson 1892 (Grolle 1995).

*** *Cololejeunea inflectens* (Mitt.) Benedix COM(1), MDG(2785), SEY(1,4,108).

*** *Cololejeunea iradieri* M.Infante et Heras (E) RIM(39), SAO(2750).

** *Cololejeunea jamesii* (Austin) M.E.Reiner et Pócs KEN(2), RWA(2,2864), TAN(2), UGA(115).

*** *Cololejeunea jonesii* Pócs (E) KEN(2858), TAN(2).

*** *Cololejeunea jovetastiana* (Pócs) Pócs (E) CMN(2), GHA(2,3013), IVO(2), RIM(10).

* *Cololejeunea kahuziensis* Tixier (E) DRC(130). Probably only a depauperate form of *Cololejeunea elegans* Steph. or *Cololejeunea zenkeri* (Steph.) E.W.Jones (Söderström et al. 2016).

*** *Cololejeunea lanceolata* E.W.Jones (E) CMN(2), GHA(2), NGA(2), PRI(2750), SIE(2).

*** *Cololejeunea lanciloba* Steph. ANG(2848), BIO(1778), BUR(2), CMN(2), COM(1), DRC(2,130), GHA(3013), GUI(2), IVO(2), KEN(2,731), MDG(1,720), MLW(563), NGA(2), RIM(10), RWA(2864,2938), SIE(2), TAN(2), UGA(2,42), ZIM(2).

Cololejeunea cf. *lanceolata* E.W.Jones BIO(1778).

*** *Cololejeunea latilobula* (Herzog) Tixier BUR(2), COM(4), DRC(2), ETH(2345), MLW(2,563), NGA(2), REU(2129), RIM(10), RWA(2864,k2938), SEY(1), TAN(2), UGA(2,42), ZAM(2).

*** *Cololejeunea leloutrei* (E.W.Jones) R.M.Schust. (E) CMN(2), COM(1), DRC(2,130,822), GAB(2), GHA(25), KEN(2,731), MAU(1), MDG(1,720), REU(2129), RIM(10), SAO(2), SEY(1,4,108), SIE(25), TAN(2,108). *C. marginata* is treated as endemic to the East African islands. Pending a clarification of this difficult complex, records from Ghana and Sierra Leone, placed by Jones & Harrington (1983) under *C. hyalino-marginata*, have been assigned in this checklist to *C. leloutrei*. The record from Tanzania is also transferred.

** *Cololejeunea leloutrei* var. *microlobulata* Tixier (E) MDG(1).

** *Cololejeunea leloutrei* var. *ulugurica* Pócs in Tixier (E) CMN(2), COM(1), KEN(2), MDG(1), TAN(2).

*** *Cololejeunea lemuriiana* Tixier (E) MDG(1), TAN(108,129).

Cololejeunea leonardii Vanden Berghen 1971 = *Cololejeunea runssorensis* (Steph.) Pócs 1975 (Pócs 1975).

*** *Cololejeunea lichenyae* R.D.Porley, N.G.Hodgetts et M.Wigginton (E) MLW(1999).

** *Cololejeunea lisowskii* (Pócs) Pócs (E) DRC(2,130), RIM(10), UGA(115).

* *Cololejeunea lobulilineata* Tixier (E) DRC(130), RWA(2864). Appears to be a depauperate form of some other species, maybe *Cololejeunea heterolobula* Tixier or *Cololejeunea obtusifolia* (E.W.Jones) Tixier (Söderström et al. 2016).

** *Cololejeunea magillii* Pócs (E) COM(1), MDG(2785).

*** *Cololejeunea magna* (Tixier) M.Infante et Heras (E) BUR(2), RWA(2,130,2864).

*** *Cololejeunea malanjae* Steph. (E) BUR(2), DRC(2), KEN(2,731,2066), MLW(2,563), RWA(2,2864), TAN(2,2818), UGA(115), ZIM(2).

- *** *Cololejeunea marginata* (Lehm. et Lindenb.) Pearson Ⓣ COM(1), MAU(1,4,108,2170), MDG(1,720), REU(1), SEY(4,108). See note under *C. leloutrei*.
Cololejeunea mariana Tixier 1979 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- *** *Cololejeunea microscopica* (Taylor) Schiffn. BIO(1778), COM(4), MLW(563), STH(2895), TAN(2), UGA(42).
- *** *Cololejeunea microscopica* var. *africana* (Pócs) Pócs et Bernecker DRC(2,130), KEN(2), MLW(563), RWA(2,130,2864), TAN(2), UGA(42,96).
- *** *Cololejeunea microscopica* var. *exigua* (A.Evans) Pócs et Lücking ANG(2848), CGS(1760), COM(1), DRC(2), IVO(2), KEN(2), MDG(1), MLW(563), REU(2360), RWA(2), TAN(2), UGA(42).
- *** *Cololejeunea minuscula* Pócs RWA(2864,2938).
Cololejeunea minutissima (Sm.) Steph. 1892 = *Myriocoleopsis minutissima* (Sm.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu *et al.* 2014).
Cololejeunea minutissima subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Reiner-Drehwald 1994) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu *et al.* 2014).
Cololejeunea minutissima subsp. *myriantha* (Herzog) R.M.Schust. 1955 = *Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Reiner-Drehwald 1994) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu *et al.* 2014).
- ** *Cololejeunea minutissima* subsp. *utriculifera* Vanden Bergheh Ⓣ BUR(2), RWA(2,2864), TAN(2). This taxon may belong to *Myriocoleopsis*, but its status is unclear because of the lack of molecular data (Yu *et al.* 2014).
- *** *Cololejeunea mocambiquensis* S.W.Arnell Ⓣ ETH(2345), KEN(2066), MDG(1), MLW(563), MOZ(2), PRI(2750), RWA(2864,2938), SAF(2), TAN(2), UGA(2), ZIM(2859).
- ** *Cololejeunea moramangae* Tixier Ⓣ COM(1), DRC(130), MDG(1), RIM(10), TAN(2), UGA(42,115).
Cololejeunea myriantha (Herzog) S.W.Arnell 1953 = *Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Schuster 1955) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu *et al.* 2014).
Cololejeunea myriocarpa (Nees et Mont.) C.Massal. 1906 = *Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Schuster 1955) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu *et al.* 2014).
- *** *Cololejeunea nigerica* (E.W.Jones) R.M.Schust. Ⓣ ANG(2848), CMN(2), DRC(2), ETH(2345), GHA(2), IVO(2), NGA(2), RWA(2864,2938), SIE(2), TAN(736), TOG(2,101), UGA(42,115).
- *** *Cololejeunea nosykombae* A.Szabó et Pócs Ⓣ MDG(2863).
- *** *Cololejeunea nosykombae* var. *laevis* A.Szabó et Pócs Ⓣ MDG(2863).
Cololejeunea nymanii (Steph.) Benedix 1953 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- *** *Cololejeunea obliqua* (Nees et Mont.) Schiffn. ANG(2848), BIO(1778), BUR(2), CMN(2), COM(1), DRC(2,130), ETH(2916), GAB(2396), GHA(2,3013), GUI(2), IVO(2), MAU(1), MDG(1,720), NGA(2), PRI(2374), REU(1), RIM(10), RWA(130,2864,2938), SAO(2,2684), SEY(1,4,108), SIE(2), TAN(2), UGA(2,42,115), ZAM(2).
- *** *Cololejeunea obtusifolia* (E.W.Jones) Tixier Ⓣ ANG(2848), BEN(22), BIO(1778), BUR(2), CMN(2), COM(2366), DRC(2,130,822), ETH(2,2345), GAB(2396), GHA(2,3013), GNB(2), GUI(2), IVO(2), KEN(2,2066), MDG(1,720), MLW(563), NGA(2), PRI(2750), RIM(10), RWA(2,130,2864), SIE(2), TAN(2), UGA(42,50).
- * *Cololejeunea obtusifolia* var. *madecassa* (Tixier) Pócs Ⓣ MDG(1).
- ** *Cololejeunea occidentalis* (E.W.Jones) Vanden Bergheh Ⓣ KEN(2), MLW(563), NGA(2), RWA(2864,2938), SAF(2), TAN(2), ZIM(2).
- ** *Cololejeunea oleana* Sim Ⓣ SAF(2).
- ** *Cololejeunea onraedtii* Tixier Ⓣ COM(1), ROD(723), SEY(1).
- *** *Cololejeunea papilliloba* Steph. BIO(1778), PRI(2750).
- ** *Cololejeunea parva* Vanden Bergheh Ⓣ RWA(2,2864), UGA(115).
Cololejeunea peculiaris (Herzog) Benedix 1953 = *Cololejeunea inflectens* (Mitt.) Benedix 1953 (Jones 1988).
- *** *Cololejeunea peponiformis* Mizut. COM(1), MDG(2785), REU(1), SEY(1).

- ** *Cololejeunea peraffinis* var. *serrulata* Schiffn. ex Benedix MDG(720).
- *** *Cololejeunea plagiochiliana* Tixier Ⓣ MDG(1).
- *** *Cololejeunea planissima* (Mitt.) Abeyw. var. *planissima* CGS(1760), DIE(1760), TAN(702).
- ** *Cololejeunea planissima* var. *chagosensis* Pócs Ⓣ CGS(1760), DIE(1760).
- *** *Cololejeunea platyneura* (Spruce) A.Evans DRC(130), MDG(1,720), MLW(563), SAO(2750), RWA(130,2864), TAN(2).
- ** *Cololejeunea praeruptorum* Tixier Ⓣ MDG(1).
- Cololejeunea pseudo-obliqua* Tixier 1995 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Pócs, *et al.* 2015a).
- Cololejeunea pseudopusilla* Tixier 1995 "pseudo-pusilla") = *Cololejeunea obtusifolia* (E.W.Jones) Tixier 1995 (Pócs *et al.* 2015a).
- * *Cololejeunea pteroporum* Tixier Ⓣ MDG(1).
- Cololejeunea punctata* (E.W.Jones) R.M.Schust. 1963, *nom. illeg.* = *Cololejeunea vidaliana* Tixier 1973 (Grolle 1978, 1995).
- Cololejeunea punctata* (Gott sche) Pearson 1892 [*non* (E.W.Jones) R.M.Schust. 1963]. Reported only from the Madagascar type collection (now destroyed) (Gott sche 1882, as *Lejeunea punctata* Gott sche), and its taxonomic position is uncertain (Grolle 1995).
- *** *Cololejeunea pusilla* Steph. Ⓣ BIO(1778), CMN(2), GAB(2), GHA(2,3013), GUI(2), NGA(2), PRI(2750), RIM(10), RWA(130,2864), TAN(108), TOG(101).
- Cololejeunea pusilla* var. *obtusifolia* E.W.Jones 1954 = *Cololejeunea obtusifolia* (E.W.Jones) Tixier 1995 (Tixier 1995).
- *** *Cololejeunea raduliloba* Steph. COM(1), MDG(1), SEY(1,2021).
- *** *Cololejeunea runssorensis* (Steph.) Pócs Ⓣ BUR(2), DRC(2), KEN(2), MLW(563), RWA(2,2864), UGA(2,115).
- ** *Cololejeunea saltuum* Tixier Ⓣ MDG(1).
- ** *Cololejeunea sambiroana* Tixier Ⓣ MDG(1).
- *** *Cololejeunea sanctae-helenae* M.Wigginton Ⓣ STH(1761,2895).
- Cololejeunea scabriflora* Gott sche 1895 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- Cololejeunea scabrifolia* Schiffn. 1900, *nom. inval.* = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- *** *Cololejeunea selangorensis* Tixier Ⓣ MDG(1).
- *** *Cololejeunea sintenisi* (Steph.) Pócs REU(2360).
- Cololejeunea sphaerocarpa* Tixier 1995 = *Cololejeunea obtusifolia* (E.W.Jones) Tixier 1995 (Pócs *et al.* 2015a).
- Cololejeunea stenophylla* Herzog 1947 = *Cololejeunea hildebrandii* (Austin) Steph. 1897 (Tixier 1979a, Tixier 1979b).
- Cololejeunea subciliata* (Mitt.) R.M.Schust. 1963 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
- Cololejeunea subdiaphana* Jovet-Ast 1947 = *Aphanolejeunea truncatifolia* Horik. 1934 (Pócs & Lücking 1996).
- ** *Cololejeunea subinflata* Tixier Ⓣ MDG(1).
- *** *Cololejeunea succinea* Tixier Ⓣ MDG(152).
- * *Cololejeunea takamakae* Tixier Ⓣ REU(1).
- ** *Cololejeunea tamatavensis* Tixier Ⓣ MDG(1).
- ** *Cololejeunea tanneri* Pócs Ⓣ MLW(563), TAN(2).
- *** *Cololejeunea tanzaniae* Pócs Ⓣ COM(1), KEN(731), MAU(108), MDG(1,720), MLW(563), REU(2360), TAN(2).
- *** *Cololejeunea tenella* Benedix BIO(1778), RWA(130).
- ** *Cololejeunea tenuiparietata* Tixier Ⓣ DRC(130), RWA(130,2864).
- Cololejeunea tonkinensis* Steph. 1895 = *Cololejeunea lanciloba* Steph. 1895 (Zhu & So 2001).
- * *Cololejeunea tribracteata* Tixier Ⓣ DRC(130). Possibly conspecific with *Cololejeunea africana* (Steph.) R.M.Schust. (Söderström *et al.* 2016).
- Cololejeunea usambarica* E.W.Jones 1954 = *Cololejeunea platyneura* (Spruce) A.Evans 1902 (Tixier 1989, Pócs 1993a).
- *** *Cololejeunea vidaliana* Tixier KEN(2), MAU(1,2170), MDG(1), ROD(723), SEY(1,4,108), TAN(2).

- Cololejeunea vittata* Steph., nom. inval. = *Physocolea vittata* Steph. 1916 = *Cololejeunea platyneura* (Spruce) A.Evans (Zhu & So 1998).
- *** *Cololejeunea wightii* Steph. CMN(2), CON(2), GHA(2,3013), IVO(2), NGA(2), RIM(10), SEY(1,4), SIE(2).
Cololejeunea xaveri (Lacout.) E.W.Jones 1954 = *Cololejeunea elegans* Steph. 1891 (Tixier 1989).
- *** *Cololejeunea zenkeri* (Steph.) E.W.Jones Ⓢ ANG(2848), BIO(1778), BUR(2), CMN(2), COM(1,2366), DRC(2,130), ETH(2916), GAB(2), GHA(3013), KEN(2,731), MDG(1,720), MLW(563), PRI(48), REU(1,2129), RIM(10), RWA(2,130,2864), SAO(2750), SEY(4,108), SIE(2), TAN(2), UGA(50,115), ZIM(2).
Colura alata (Gottsche) Trevis. 1877 = *Lejeunea alata* Gottsche 1845 (Grolle 1977).
Colura benoistii Jovet-Ast 1954 = *Colura obesa* Jovet-Ast 1954 (Pócs, Müller & Shevock 2015).
- *** *Colura berghenii* Jovet-Ast Ⓢ RWA(130,2864), TAN(2,2785).
- *** *Colura bicornis* Jovet-Ast Ⓢ MDG(1,4).
- *** *Colura calderae* Pócs Ⓢ BIO(1778), SAO(2389).
- *** *Colura calyptrifolia* (Hook.) Dumort. KEN(2785), MLW(110), REU(2129), RWA(2,2864), SAF(2,75), STH(2895), TAN(2), UGA(42,50).
Colura calyptrifolia subsp. *tenuicornis* (A.Evans) Vanden Berghen 1972 = *Colura tenuicornis* (A.Evans) Steph. 1916 (Jones & Harrington 1983).
- ** *Colura cylindrica* Herzog TAN(2). See comments under *Colura mosenii*.
- *** *Colura digitalis* (Mitt.) Steph. Ⓢ ANN(2,33), BIO(1778), BUR(2), CAF(2), CMN(2), COM(1,4), CON(2), DRC(2,130), ETH(2345), GAB(2), GHA(2,3013), GUI(2), IVO(2), KEN(731), MAU(1,108,2170), MDG(4,720), MLW(110), NGA(2), PRI(2), REU(1), RIM(10), RWA(2,130,2864), SAO(2,2389), SEY(1,108), SIE(2), TAN(2), UGA(2,42).
- ** *Colura digitalis* var. *mucronata* Pócs Ⓢ REU(2360), SEY(4).
- *** *Colura dusenii* Steph. Ⓢ CMN(2), COM(2785), GHA(2,3013), KEN(2), NGA(2), SIE(2), TAN(2).
- *** *Colura hattoriana* Pócs Ⓢ ANG(2848), BIO(1778), COM(1), MLW(110), SAO(2750).
- *** *Colura hedbergiana* Pócs Ⓢ TAN(2), UGA(42).
- *** *Colura heimii* Jovet-Ast Ⓢ COM(1,2366), MAU(1,108), MDG(1), REU(1).
- *** *Colura humbertii* Jovet-Ast Ⓢ MAU(1,2170), MDG(1), REU(1).
- *** *Colura inornata* Jovet-Ast Ⓢ MDG(1,4).
Colura kilimanjarica Pócs et Jovet-Ast 1980 = *Colura ornithocephala* Herzog 1952 (Gradstein 2013c).
- ** *Colura mauritiana* Pócs Ⓢ MAU(6,108).
- *** *Colura mosenii* Steph. ANG(2848), NGA(1037). *C. mosenii* has been otherwise reported only from Java and the Caroline Is. Jovet-Ast (1954) commented on the close similarity of *C. mosenii* and *C. cylindrica*, but provisionally treated them as distinct. The Tanzanian report of *C. cylindrica* is the only one outside the neotropics. Pócs (1995) considered the three African collections (that were known at that time) to be the same taxon, whatever the eventually accepted name.
- *** *Colura obesa* Jovet-Ast Ⓢ COM(1), MDG(1), PRI(2750), REU(1), SAO(2750).
Colura obtusa (Steph.) Steph. 1916 = *Colura digitalis* (Mitt.) Steph. 1916 (Jovet-Ast 1954, Vanden Berghen 1952).
- *** *Colura obvoluta* Jovet-Ast Ⓢ MAU(108), MDG(1), SEY(4,108).
- *** *Colura ornithocephala* Herzog KEN(759), TAN(2), UGA(42).
- *** *Colura pluridentata* Jovet-Ast SEY(1).
Colura pungens Herzog 1947 = *Colura tenuicornis* (A.Evans) Steph. 1916 (Jovet-Ast 1954).
- *** *Colura saroltae* Pócs Ⓢ KEN(2785), RWA(2,2864), TAN(2,2785).
Colura superba (Mont.) Steph. 1916. The record from Réunion of this S.E.Asian and Polynesian species is treated as an error by Grolle (1995).
- *** *Colura tenuicornis* (A.Evans) Steph. ASC(2,3065), BUR(2), CMN(2), COM(1), DRC(2,130), ETH(2345), GAB(2), KEN(2), MAU(1,2170), MDG(1), MLW(110), PRI(2750), REU(1), RIM(10), RWA(2,130,2864), SAF(2), SAO(2), SEY(1,4), SIE(2), STH(2895), TAN(2), UGA(42,50), ZIM(733).
- *** *Colura thomeensis* Pócs Ⓢ PRI(2750), SAO(2389).
- *** *Colura usambarica* E.W.Jones Ⓢ KEN(731), MLW(2,110), TAN(2,2785).

* *Colura zoophaga* Eb.Fisch. Reported from Kenya by Fischer (1999). Chuah-Petiot & Pócs (2003) considered that it "seems to us to be a synonym of *C. kilimanjarica*". No specimen has been traced, and the record is treated as uncertain pending the discovery of an extant specimen.

Colurolejeunea dusenii Steph. 1892, nom. inval. = *Colura dusenii* (Steph.) Steph. 1916 (Jovet-Ast 1954).

Colurolejeunea obtusa Steph. 1891 = *Colura obtusa* (Steph.) Steph. 1916 = *Colura digitalis* (Mitt.) Steph. 1916 (Jovet-Ast 1954).

Colurolejeunea tenuicornis A.Evans 1900 = *Colura tenuicornis* (A.Evans) Steph. 1916 (Jovet-Ast 1954).

Conoscyphus inflexifolius Mitt. 1873 = *Conoscyphus trapezoides* (Sande Lac.) Schiffn. 1898 (Stephani 1907).

*** *Conoscyphus trapezoides* (Sande Lac.) Schiffn. MDG(1,4,720), MLW(29), PRI(2750), REU(1,4), SAO(2,2684), SEY(1,4), SIE(2), TAN(2). Erroneously listed from Cameroon (2).
Crossotolejeunea kilimandjarica S.W.Arnell 1960 = *Taxilejeunea pulchriflora* Pearson 1924 (Jones 1976b) = *Lejeunea pulchriflora* (Pearson) G.E. Lee, Bechteler, Pócs, Schäf.-Verw. & Heinrichs 2015 (Lee *et al.* 2015).

* *Cryptolophocolea lilliana* (Steph.) L.Söderstr. Known only from the type from Kenya (Stephani 1922). "Judging from Stephani's drawing, it is most likely a synonym of *Lophocolea martiana* Nees 1845" (T. Pócs, *in litt.*).

** *Cryptolophocolea martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler subsp. *martiana* ANG(2), BIO(36,72), BUR(2), CAF(2), CMN(2), CON(2), DRC(2), ETH(2345,3012), GAB(2), GHA(2,3013), IVO(2,53), KEN(2066), MAU(1,2170), MDG(1,720), MLW(29), NGA(2), PRI(2,2684), REU(1), RIM(10), RWA(2,2864), SAF(2), SAO(2684), SEY(1,4), SIE(2), SWZ(2), TAN(2), TOG(2). UGA(2,96), ZIM(2).

*** *Cryptolophocolea regularis* (Steph.) L.Söderstr. ⑩ MAU(2170), MDG(1), REU(1).

Cryptochila grandiflora (Lindenb. et Gottsche) Grolle 1971 = *Syzygiella sonderi* (Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg *et al.* 2010).

*** *Cryptomitrium oreades* Perold ⑩ LES(2,75,1132).

*** *Cuspidatula contracta* (Reinw., Blume et Nees) Steph. COM(4), MAU(1,2170), MDG(4), REU(4), SEY(1,4), TAN(2).

Cyathodium africanum Mitt. 1886 = *Cyathodium cavernarum* Kunze 1834 (Srivastava & Dixit 1996).

*** *Cyathodium aureonitens* (Griff.) Mitt., non Schiffn. BIO(1718), CMN(2).

*** *Cyathodium cavernarum* Kunze ANG(2848), ANN(2,33), BIO(2,33,36), CAF(2), CMN(2), COM(1,2366), CON(2), CVI(2,20,37), DRC(2), GHA(2), GUI(2), IVO(2), MDG(720), MLW(2), MOZ(3058), NAM(2), NGA(2), REU(2360), RWA(2864,2938), SAO(2), SIE(2), TAN(2), TOG(2), UGA(42,50,96). Reported "with doubt" from Zimbabwe by Bizot & Pócs (1979).

*** *Cyathodium foetidissimum* Schiffn. CMN(2). Reported from Uganda by Lye & Pócs (1997), but the plants are sterile and they considered the identity uncertain.

Cyathodium griffithii Schiffn. 1938, nom. illeg. = *Cyathodium aureonitens* (Griff.) Mitt. 1886 (Jones 1952).

Cyathodium smaragdinum Schiffn. 1910. Reports from the Comoros by Herzog (1947) and from South Africa (Arnell 1963) are rejected (*fide* Grolle (1995)). Srivastava & Dixit (1996) cited a collection from Tanzania (Jones 679) under *C. smaragdinum*, but cited the same specimen also under *C. cavernarum*. Clarification is required.

Cyclolejeunea annobonensis S.W.Arnell 1956 = *Prionolejeunea kindbergii* Steph. 1892 (Arnell 1958a) = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).

Cylindrocolea atroviridis (Sim) Váňa 1979 = *Cylindrocolea abyssinica* (Gola) Váňa 2013 (Váňa *et al.* 2013d).

*** *Cylindrocolea abyssinica* (Gola) Váňa ⑩ CAF(2), CMN(2), DRC(2), ETH(2,2345,2589), GHA(2), IVO(51), LES(75), MDG(1), MOZ(2), NGA(2), RWA(2,2864), SAF(2), SIE(2), SWA(3057), TAN(2785), UGA(50), ZIM(2).

*** *Cylindrocolea chevalieri* (Steph.) R.M.Schust. ⑩ CON(2), GAB(2), GHA(2), NGA(2).

*** *Cylindrocolea gittinsii* (E.W.Jones) R.M.Schust. ⑩ CMN(2), KEN(21), RWA(2864,2938), UGA(2,776). The collection from Rwanda (892) has been redetermined as *Amphicephalozia africana* Váňa et M.Wigginton (2007).

Cylindrocolea aff. *gittinsii* ANG(2848).

*** *Cylindrocolea kiaeri* (Austin) Váňa BIO(1718), CMN(2), DRC(2), ETH(2345), KEN(759), LES(17), MDG(1,720), MLW(2,114), MOZ(2), REU(1), RWA(2864), SAF(2,75), SEY(1), TAN(2), ZIM(2859).

*** *Cylindrocolea madagascariensis* (Steph.) R.M.Schust. ⑩ MDG(1).

- *** *Cylindrocolea nigerica* (E.W.Jones) R.M.Schust. Ⓣ DJI(2), GHA(3013), NGA(2).
- *** *Cylindrocolea sanctae-helenae* M.Wigginton Ⓣ STH(2895,2567). Described under the name *Cylindrocolea helenae* (*nom. inval.*) in Wigginton (2012).
- *** *Cylindrocolea ugandica* (E.W.Jones) R.M.Schust. Ⓣ DRC(2983), KEN(21), UGA(2,42).
- Cylindrocolea cf. ugandica* SIE(25). Jones & Harrington (1983) noted that the Sierra Leone taxon is close to *C. ugandica*, but might be an undescribed species.
- Cystolejeunea lineata* (Lehm. et Lindenb.) A.Evans 1906. The report from Réunion (Lehmann 1832) is treated as an error by Grolle (1995).
- Dendrolejeunea fruticosa* (Lindenb. et Gottsche) Lacout. 1908. The specimen supposedly from Mauritius (Gottsche 1845) is discounted (Grolle 1995).
- *** *Denotarisia linguifolia* (De Not.) Grolle MDH(720).
- ** *Dibrachiella africana* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. Ⓣ BIO(2,33), CAF(2), CMN(2), CON(2), DRC(2), GAB(2), GHA(2,3013), IVO(53), NGA(2), PRI(48), RIM(10), SIE(2), TAN(2), UGA(42,50,96).
- ** *Dibrachiella alata* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. Ⓣ COM(1), MAU(1), MDG(1).
- *** *Dibrachiella autoica* (Vanden Berghen) X.Q.Shi, R.L.Zhu et Gradst. Ⓣ CAF(2), CMN(2), GAB(2), GHA(2), IVO(2,53), NGA(2), PRI(2750), RIM(10), SIE(2), UGA(42,115).
- ** *Dibrachiella brevilobula* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. Ⓣ MDG(1,1715), CAF(2), CMN(2), DRC(2), GAB(2), IVO(2), NGA(2), RIM(10), SIE(2), TOG(2).
- ** *Dibrachiella elobulata* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. Ⓣ ANG(2848), CAF(2), DRC(2), IVO(2,53), SAF(2), TAN(2).
- ** *Dibrachiella jonesii* (Vanden Berghen) X.Q.Shi, R.L.Zhu et Gradst. Ⓣ CAF(2), IVO(53), NGA(2), RIM(10).
- Dicranolejeunea africana* Steph. 1912. See notes under *Caudalejeunea mauritana* Horik.
- Dicranolejeunea annobonensis* S.W.Arnell 1956 = *Marchesinia* sp. (Kruijt 1988).
- Dicranolejeunea atra* (Mitt.) Vanden Berghen 1953 = *Acanthocoleus aberrans* (Lindenb. et Gottsche) Kruijt 1988 (Kruijt 1988).
- Dicranolejeunea bovonei* Gola 1920 Kruijt (1988) considered the record from the Dem. Rep. Congo (Gola 1920) to be doubtful.
- Dicranolejeunea chrysophylla* (Lehm.) Grolle 1966 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).
- Dicranolejeunea lillieana* Pearson 1924 = *Acanthocoleus madagascariensis* (Steph.) Kruijt 1988 (Gradstein 2013a).
- Dicranolejeunea madagascariensis* Steph. 1912 = *Acanthocoleus madagascariensis* (Steph.) Kruijt 1988 (Kruijt 1988).
- Dicranolejeunea madagascariensis* var. *obtusifolia* E.W.Jones 1970 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).
- Dicranolejeunea natalensis* (Sim) S.W.Arnell 1961 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).
- Dicranolejeunea phyllorhiza* (Nees) Schiffn. 1893 = *Brachiolejeunea phyllorhiza* (Nees) Kruijt et Gradst. 1986 (Kruijt & Gradstein 1986).
- Dicranolejeunea usambarensis* Steph. 1912 = *Acanthocoleus aberrans* (Lindenb. et Gottsche) Kruijt 1988 (Kruijt 1988).
- *** *Diplasiolejeunea albifolia* (Taylor) E.W.Jones Ⓣ KEN(2,731), NGA(2), TAN(2).
- Diplasiolejeunea albifolia* subsp. *orientalis* Pócs, *ined.* Ⓣ TAN(129). Not validly published.
- *** *Diplasiolejeunea andringitrae* Schäf.-Verw. Ⓣ MDG(1893).
- *** *Diplasiolejeunea aulae* E.W.Jones Ⓣ ETH(2345), GHA(2), MDG(1), RWA(2,2864), UGA(50).
- ** *Diplasiolejeunea auriculata* Tixier Ⓣ MDG(1).
- Diplasiolejeunea bifidula* Steph. 1916 = *Diplasiolejeunea cornuta* Steph. 1916 (Grolle 1995).
- Diplasiolejeunea brachyclada* A.Evans 1912 = *Diplasiolejeunea cavifolia* Steph. 1895 (Grolle 1966, Grolle 1973).
- *** *Diplasiolejeunea cavifolia* Steph. COM(1), DRC(2), GHA(2), KEN(2), MAU(1,108,2170), MDG(1,720), NGA(2), RIM(10), RWA(2,2864), SAF(2), SAO(2,2684), TAN(2), UGA(42).
- *** *Diplasiolejeunea cobrensis* Steph. COM(2366), GHA(2), MDG(1,720), SIE(2), TAN(2785).
- ** *Diplasiolejeunea cobrensis* subsp. *antsirananae* Pócs Ⓣ MDG(709,720).
- ** *Diplasiolejeunea cogoensis* M.Infante, Heras et Pócs Ⓣ REU(2360), RIM(38).
- * *Diplasiolejeunea comorensis* Tixier Ⓣ COM(1), DRC(2), MAU(108,2170), MDG(1).

- *** *Diplasiolejeunea cornuta* Steph. Ⓣ COM(1), DRC(2), ETH(2916), GHA(2), KEN(2), MAU(1,2170), MDG(1,4), MLW(563), REU(1,4), RWA(2,2864), SEY(4), TAN(2), UGA(42,115), ZIM(2).
Diplasiolejeunea cornuta var. *laciniata* Herzog 1947 = *Diplasiolejeunea cornuta* Steph. 1916 (Grolle 1995).
- ** *Diplasiolejeunea cyanguguensis* Tixier Ⓣ RWA(2,2864).
- *** *Diplasiolejeunea deslooveri* Vanden Berghen Ⓣ RWA(2,2864), TAN(2).
Diplasiolejeunea drepanolejeunoides Tixier 1977 = *Diplasiolejeunea magnistipulata* Tixier 1975 (Tixier 1985).
- ** *Diplasiolejeunea ensifera* Tixier Ⓣ MDG(1).
- ** *Diplasiolejeunea gradsteinii* Tixier Ⓣ DRC(2).
- ** *Diplasiolejeunea hamata* Tixier Ⓣ MDG(1,2785).
Diplasiolejeunea harpaphylla Steph. 1916 = *Diplasiolejeunea cobrensis* Steph. 1916 (Grolle 1995).
Diplasiolejeunea incurvata Jovet-Ast et Tixier 1962 = *Diplasiolejeunea harpaphylla* Steph. 1916 (Jones & Harrington 1983) = *Diplasiolejeunea cobrensis* Steph. 1916 (Grolle 1995).
- ** *Diplasiolejeunea insignis* Tixier Ⓣ MDG(1).
- * *Diplasiolejeunea integerrima* Tixier 1979. Only the type collection, from Madagascar, is known (Tixier 1979c). Grolle(1995) considered it probably a juvenile *Acrolejeunea* sp.
- ** *Diplasiolejeunea jonesii* Tixier Ⓣ MDG(1).
- *** *Diplasiolejeunea kraussiana* (Lindenb.) Steph. Ⓣ BUR(2), COM(2785), DRC(2), MDG(1), MLW(563), RWA(2,2864), SAF(2), TAN(2), UGA(50), ZIM(2).
- ** *Diplasiolejeunea lemuriana* Tixier Ⓣ MDG(1).
- ** *Diplasiolejeunea magnistipulata* Tixier Ⓣ CMN(2), MDG(1).
Diplasiolejeunea ocellata Steph. 1916 = *Diplasiolejeunea cavifolia* Steph. 1895 (Grolle 1995).
- *** *Diplasiolejeunea ornata* Pócs et Schäf.-Verw. Ⓣ MDG(1893).
- ** *Diplasiolejeunea palustrium* Tixier Ⓣ MDG(1).
Diplasiolejeunea pellucida (C.F.W.Meissn. ex Spreng.) Schiffn. 1893. This name has sometimes been applied erroneously to African specimens of *D. albifolia* (Taylor) E.W.Jones, and reports from the Mascarenes, Mauritius and Réunion are discounted because of misidentification or mislabelling (Grolle 1995).
- ** *Diplasiolejeunea phyllarthonii* Tixier Ⓣ MDG(1).
- ** *Diplasiolejeunea ramicola* Tixier Ⓣ MDG(1).
- *** *Diplasiolejeunea ranomafanae* Pócs Ⓣ MDG(1893).
- ** *Diplasiolejeunea rudolphiana* Steph. COM(2366), MAU(2170), MDG(2366,2785). Schäfer-Verwimp & Reiner-Drehwald (2009) placed *D. rudolphiana* in synonymy with *D. brunnea* Steph. However, subsequent molecular analysis (Dong *et al.*, 2012) showed *D. rudolphiana* to be distinct and well separated from *D. brunnea*.
- *** *Diplasiolejeunea runssorensis* Steph. Ⓣ BUR(2), DRC(2), KEN(2,731), MDG(1), RWA(2,2864), TAN(2), UGA(50).
Diplasiolejeunea runssorensis var. *australis* E.W.Jones 1974 = *Diplasiolejeunea villaumei* Steph. 1916 (Tixier 1984).
- ** *Diplasiolejeunea subcornuta* Tixier Ⓣ MDG(1), MLW(563), SEY(4).
- *** *Diplasiolejeunea symoensii* Vanden Berghen Ⓣ BUR(2), COM(1), DRC(2,822), ETH(2345), KEN(2), MDG(1), MLW(563), RWA(2,2864), TAN(2), UGA(42,50).
Diplasiolejeunea tridentata 1979 = *Diplasiolejeunea aulae* E.W.Jones 1974 (Pócs 1994c).
Diplasiolejeunea tubulata Grolle, nom. herb. = *Diplasiolejeunea zakiae* Tixier 1977 (Bizot & Pócs 1982).
- *** *Diplasiolejeunea utricularia* Steph. Ⓣ MDG(1), TAN(545).
Diplasiolejeunea vandenberghenii Grolle 1960 = *Diplasiolejeunea cavifolia* Steph. 1895 (Grolle 1966, Grolle 1973).
- *** *Diplasiolejeunea villaumei* Steph. Ⓣ KEN(2785), MAU(2785), MDG(1), MLW(563), TAN(2).
- *** *Diplasiolejeunea zakiae* Tixier Ⓣ KEN(2,731), MDG(26,720), TAN(2).
Diplophyllia biapiculata (Hook.f. et Taylor) Trevis. 1877 = *Anastrophyllum piligerum* (Nees) Steph. 1893 (Schiffner 1898, Váňa 1982).
Diplophyllia imbricata (Wilson) Trevis. 1877 = *Anastrophyllum piligerum* (Nees) Steph. 1893 (Váňa 1982).
Diplophyllia piligera (Nees) Trevis. 1877 = *Anastrophyllum piligerum* (Nees) Steph. 1893 (Váňa 1982).
- *** *Diplophyllum africanum* S.W.Arnell Ⓣ KEN(2,71), RWA(2,2864), TAN(2).

- Drepanolejeunea africana* Steph. 1913 possibly = *Drepanolejeunea capulata* (Taylor) J.B.Jack et Steph. 1913 (E.W.Jones, in Wigginton 2004).
- Drepanolejeunea angustifolia* (Mitt.) Grolle 1965. Reports from the Comoros and Réunion are excluded (Grolle 1995).
- *** ***Drepanolejeunea ankasica*** E.W.Jones (E) GHA(2).
Drepanolejeunea cambouena Steph. 1913 = *Drepanolejeunea pentadactyla* (Mont.) Steph. 1913 (Pócs 2011a).
- Drepanolejeunea capensis* Steph. 1913 = *Drepanolejeunea hamatifolia* (Hook.) Schiffn. 1893 (Arnell 1963).
- ** ***Drepanolejeunea capulata*** (Taylor) J.B.Jack et Steph. (E) BIO(1778), NGA(2), SAO(2374).
Drepanolejeunea clavicornis Steph. 1913 probably = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (E.W.Jones, in Wigginton 2004).
- Drepanolejeunea cristata* Steph. 1891 = *Drepanolejeunea cultrella* (Mitt.) Steph. 1913 (Vanden Berghen 1960b, Jones 1958).
- *** ***Drepanolejeunea cultrella*** (Mitt.) Steph. (E) BIO(72,1778), BUR(2), CMN(2), COM(1), DRC(130), ETH(2345), GAB(2396), GHA(3013), GUI(2), IVO(2), KEN(2,731), MDG(720), MLW(563), PRI(2750), REU(2785), RIM(10), RWA(2,130,2864), SAO(2,2684), SIE(2), TAN(2), UGA(115).
- *** ***Drepanolejeunea dactylophora*** (Nees, Lindemb. et Gottsche) J.B.Jack et Steph. MDG(2363).
- ** ***Drepanolejeunea deslooveri*** Vanden Berghen (E) RWA(733,2864). Treated as a synonym of *D. hamatifolia* (Hook.) Schiffn. by Tixier (1995) and accepted uncritically as such in Wigginton & Grolle (1996) and in edition 1 of this checklist. However, because no evidence was given for the synonymy and because its ecarinate perianth seems highly distinct, *D. deslooveri* is reinstated here.
Drepanolejeunea filicispis Steph. 1913 = *Harpalejeunea filicispis* (Steph.) Mizut. 1973 (Grolle 1979c) = *Microlejeunea filicispis* (Steph.) Heinrichs, Schäf.-Verw., Pócs et S.Dong 2013 (Dong et al. 2013).
Drepanolejeunea friesii Vanden Berghen 1951 probably = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (E.W.Jones, in Wigginton 2004).
Drepanolejeunea geisslerae Pócs 2001 = *Capillolejeunea geisslerae* (Pócs) R.L.Zhu, Qiong He, Y.M.Wei et Pócs 2014 (He et al. 2014).
Drepanolejeunea gomphiae Steph. 1913 = *Leptolejeunea truncatiloba* Steph. 1892 (Vanden Berghen 1960b) = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
- *** ***Drepanolejeunea hamatifolia*** (Hook.) Schiffn. DRC(130), MOZ(2), RWA(2,130), SAF(2,75), ZIM(2).
- *** ***Drepanolejeunea helenae*** Pócs (E) REU(6).
Drepanolejeunea intorta (Besch. et Spruce) Steph. 1913 = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (Grolle 1995).
- *** ***Drepanolejeunea madagascariensis*** (Steph.) Grolle (E) COM(1), KEN(2,731), MAU(1,1115,2170), MDG(1,720), REU(1), SEY(1,4,108), TAN(2).
Drepanolejeunea mascarena (S.W.Arnell) R.L.Zhu et Grolle 2003 (Zhu & Grolle 2003) = *Capillolejeunea mascarena* S.W.Arnell 1965 (He et al. 2014).
Drepanolejeunea mauritiana Tixier 1993 = *Drepanolejeunea madagascariensis* (Steph.) Grolle 1974 (Pócs, Zhu et al. 2015b).
Drepanolejeunea micholitzii Steph. 1913 = *Drepanolejeunea pentadactyla* (Mont.) Steph. 1913 (Grolle 1980).
Drepanolejeunea molleri Steph. 1913 = *Drepanolejeunea cultrella* (Mitt.) Steph. 1913 (Vanden Berghen 1960b).
Drepanolejeunea papillosa S.W.Arnell 1953 = *Drepanolejeunea ternatensis* (Gottsche) Schiffn. 1893 (Tixier 1995).
- *** ***Drepanolejeunea pentadactyla*** (Mont.) Steph. BIO(1778), ETH(2916), COM (1), MAU(1,2170), MDG(1,744,2363), REU(2785), SEY(1,108), TAN(2).
- ** ***Drepanolejeunea pentadactyla*** var. *dactylophoroides* (Herzog) Pócs MDG(2785).
- *** ***Drepanolejeunea physifolia*** (Gottsche) Pearson "physaefolia" (E) BIO(2,33), CMN(2), COM(1,4), DRC(2), ETH(2345), GAB(2396), GHA(3013), GUI(2), IVO(2), KEN(2,71,731,759), MAU(1,2170), MDG(1,4,720), MLW(2,563), MOZ(2), PRI(2), REU(1,2880), RIM(10), RWA(2,2864), SAF(2), SAO(2,2684), SEY(1), TAN(2), UGA(2), ZIM(2). *D. physifolia* (Gottsche) 'Steph.' was treated as a synonym of *D. vesiculos* by Tixier (1995), and for that reason records were placed under the latter name in Wigginton & Grolle (1996). However, Grolle (1995) considered that synonymy was yet to be proved, and listed East African Island collections under *D. physaefolia*. In this checklist, all African records are placed under *D. physifolia*.

- *** *Drepanolejeunea pocsii* Grolle (E) COM(1), KEN(2,731), MDG(720), MLW(563), TAN(2), ZIM(2).
Drepanolejeunea riddleana Steph. 1914 = *Harpalejeunea filicuspis* (Steph.) Mizut. 1973 (Grolle 1979c).
- * *Drepanolejeunea ruandensis* Vanden Berghen (E) DRC(130), RWA(2,130,2864). Treated as synonymous with *D. cultrella* (Mitt.) Steph. in Vanden Berghen (1972a).
Drepanolejeunea securifolia (Gottsche) Pearson 1892 = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (Grolle 1995).
- ** *Drepanolejeunea symoensi* Vanden Berghen et Grolle (E) BUR(2), DRC(130), ETH(2345), RWA(2,130,2864), UGA(115).
- ** *Drepanolejeunea symoensi* var. *minor* Tixier (E) RWA(130).
Drepanolejeunea taxiophthalma Herzog 1947 = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).
- *** *Drepanolejeunea ternatensis* (Gottsche) Schiffn. KEN(759), MLW(2143), SAF(2), SEY(1,4,108).
Drepanolejeunea thwaitesiana (Mitt.) Steph. 1913. The report of this tropical East Asian species from Mauritius (Stephani 1913b) is treated as an error by Grolle (1995).
- *** *Drepanolejeunea trematodes* (Nees) Bischl. (E) COM(1), KEN(2,731), MAU(1,108,2170), MDG(1,720), REU(1), SEY(108), TAN(2).
- ** *Drepanolejeunea vandenberghenii* Buchb. et Eb.Fisch. (E) MLW(2143), RWA(1425,2864).
Drepanolejeunea vesiculos (Mitt.) Steph. Excluded (Grolle 1995). See also note under *D. physifolia* (Gottsche) Pearson
- Drepanolejeunea* sp. (*D. ?friesii*) GHA(25). This taxon, published in Jones & Harrington (1983) as *D. ?friesii*, was included under *D. vesiculos* in Wigginton & Grolle (1996). Since its identity is uncertain, it is listed separately here.
Dumortiera denudata Mitt. 1861 = *Wiesnerella denudata* (Mitt.) Steph. 1899 (Grolle 1995).
- *** *Dumortiera hirsuta* (Sw.) Nees ANG(2), BIO(2,33,36), BUR(2), CMN(2), COM(1), DRC(2), ETH(2), KEN(2,71,665,731), MAU(1), MDG(2498), MLW(2), MOZ(2), REU(1), RWA(2,2864), SAF(2,1132), SAO(2,2684), SIE(2), SWZ(2,1132), TAN(2), UGA(42,50,115), ZAM(2967) ZIM(2).
- * *Dumortiera hirsuta* subsp. *nepalensis* (Taylor) R.M.Schust. DRC(2). Bizot & Pócs (1974) commented that many specimens they examined from East Africa approached var. *nepalensis* in many respects.
Dumortiera trichocephala (Hook.) Nees 1838 = *Dumortiera hirsuta* var. *nepalensis* (Taylor) R.M.Schust. 1992 (Schuster 1992b).
Eulejeunea abyssinica Gola 1914 = *Lejeunea abyssinica* (Gola) Cufod. 1952 (Cufodontis 1952).
Eulejeunea aloba (Sande Lac.) Schiffn. = *Lejeunea aloba* Sande Lac. 1856 (Pócs 1993b).
Eulejeunea breutelii Steph. 1896 = *Lejeunea caespitosa* auct. (Arnell 1953b) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
Eulejeunea cancellata, nom. inval. (fide Stephani 1913a). See notes under *Lejeunea cancellata* Nees et Mont.
Eulejeunea capensis, nom. inval. (fide Stephani 1913a) = *Lejeunea capensis* Gottsche
Eulejeunea camerunensis Steph. 1923 = *Lejeunea camerunensis* (Steph.) E.W.Jones 1972 (Jones & Harrington 1983) = *Lejeunea tuberculosa* Steph. 1915 (Pócs & Geissler 2002).
Eulejeunea compressistipula Pearson 1922 (= *Lejeunea compressistipula* (Pearson) Demaret 1942) = *Lejeunea abyssinica* (Gola) Cufod. 1952 (Pócs, Zhu et al. 2015).
Eulejeunea corbieri Steph. 1912 perhaps = *Lejeunea ibadana* A.J.Harr. et E.W.Jones 1982 (Jones & Harrington 1983).
Eulejeunea cucullata (Reinw., Blume et Nees) Schiffn. 1898 = *Metalejeunea cucullata* (Reinw., Blume et Nees) Grolle 1995 (Grolle 1995).
Eulejeunea cuculliloba Steph. 1891, nom. nud. = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
Eulejeunea ecarinata Steph. Nov 1890 = *Lejeunea ecarinata* (Steph.) J.M.Coult., Barnes et Arthur (Coulter et al. 1890).
Eulejeunea ecklonii Lindenb. ex Steph. 1890, nom. inval. = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).
Eulejeunea elobulata Sim 1926 = *Lejeunea elobulata* (Sim) S.W.Arnell 1963.
Eulejeunea expansa Steph. 1912 = *Lejeunea expansa* (Steph.) Steph. 1915 = *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell 1963 (Jones 1968a).
Eulejeunea flava (Sw.) Steph. Mar-Apr 1888 = *Lejeunea flava* (Sw.) Nees 1838 (Grolle 1995).
Eulejeunea flavovirens (Ångstr.) Steph. 1913 = *Lejeunea flavovirens* Ångstr. 1873 (Grolle 1995).
Eulejeunea hepaticola Steph. 1888 = *Lejeunea hepaticola* (Steph.) Steph. 1915.
Eulejeunea isomorpha (Gottsche) Steph. 1901 = *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell 1963 (Jones 1968).

- Eulejeunea jungneri* Steph. 1896 = *Lejeunea jungneri* Steph. 1901 (Stephani 1901a).
Eulejeunea lamacerina Steph. 1896 = *Lejeunea lamacerina* (Steph.) Schiffn. 1902.
Eulejeunea microclada Pearson 1931 perhaps = *Lejeunea camerunensis* (Steph.) E.W.Jones 1972 (Jones & Harrington 1983) = *Lejeunea tuberculosa* Steph. 1915 (Pócs & Geissler 2002).
Eulejeunea obtusata (Gottsche) Pearson 1892 = *Lejeunea obtusata* Gottsche 1882 (Grolle 1995).
Eulejeunea parisi, nom. inval. (fide Stephani 1913a) = *Lejeunea parisi* Steph. 1915 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
Eulejeunea rodriguezii Steph. Mar-Apr 1888 = *Lejeunea rodriguezii* (Steph.) Steph. 1891 (Grolle 1995) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2011a).
Eulejeunea saccatiloba Steph. Sept-Oct 1891 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
Eulejeunea setacea Steph. 1912 = *Lejeunea setacea* (Steph.) Steph. 1914 (Grolle 1995).
Eulejeunea squarrosa Steph. 1895 = *Lejeunea squarrosa* (Steph.) Steph. 1915.
Eulejeunea vulgariformis (Gottsche) Pearson 1892 = *Lejeunea vulgariformis* Gottsche 1882 (Grolle 1995).
Eulejeunea wilmsii Steph. 1892 = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).
Euosmolejeunea africana (Steph.) R.M.Schust. et Kachroo 1968 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1974a, Jones 1976b).
Euosmolejeunea brachytoma (Gottsche) Pearson 1892 = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Grolle 1978, Schuster 1980b).
Euosmolejeunea contigua (Nees) Steph. 1890 = *Pycnolejeunea contigua* (Nees) Grolle 1979 (He 1999).
Euosmolejeunea grandistipula (Steph.) Steph. 1914 = *Euosmolejeunea brachytoma* (Gottsche) Pearson 1892 (Jones 1974a) = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Grolle 1978).
Euosmolejeunea inflata (Steph.) R.M.Schust. et Kachroo 1968 = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Grolle 1979d).
Euosmolejeunea longiflora (Taylor) Steph. 1914 = *Cheilolejeunea longiflora* (Taylor) R.M.Schust. 1980 (Schuster 1980b).
Euosmolejeunea montagnei (Mont.) Steph. 1890 = *Cheilolejeunea montagnei* (Gottsche ex Mont.) R.M.Schust. 1963 (Schuster 1963).
Euosmolejeunea principensis (Steph.) R.M.Schust. et Kachroo 1968 = *Cheilolejeunea serpentina* (Mitt.) Mizut. 1963 (Grolle 1979d) = *Cheilolejeunea rigidula* (Nees ex Mont.) R.M.Schust. 1971 (Bastos 2012).
Euosmolejeunea robillardii Steph. 1914 = *Cheilolejeunea robillardii* (Steph.) R.M.Schust. 1980 (Schuster 1980b) = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Grolle & Onraedt 1974).
Euosmolejeunea ruwenzorensis S.W.Arnell 1956 = *Cheilolejeunea ruwenzorensis* (S.W.Arnell) R.M.Schust. 1963 (Schuster 1963).
Euosmolejeunea serpentina (Mitt.) Steph. 1914 = *Cheilolejeunea serpentina* (Mitt.) Mizut. 1963 (Grolle 1979d) = *Cheilolejeunea rigidula* (Nees ex Mont.) R.M.Schust. 1971 (Bastos 2012).
Euosmolejeunea thomeensis Steph. 1914 = *Euosmolejeunea montagnei* (Mont.) Steph. 1890 (Jones 1954a) = *Cheilolejeunea montagnei* (Gottsche ex Mont.) R.M.Schust. 1963 (Schuster 1963).
Euosmolejeunea trifaria (Reinw., Blume et Nees) Schiffn. 1890 = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Mizutani 1964).
Evansiolejeunea renistipula (Steph.) Vanden Berghe 1948 = *Evansiolejeunea roccatii* (Gola) Vanden Berghe 1960 (Vanden Berghe 1960a) = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye et al. 2015)..
Evansiolejeunea roccatii (Gola) Vanden Berghe 1960 = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye et al. 2015).
Exormotheca africana Steph. 1924 = *Exormotheca pustulosa* Mitt. 1870 (Schiffner 1942).
*** *Exormotheca bulbigena* Bornefeld, O.H.Volk et R.Wolf Ⓣ NAM(19).
*** *Exormotheca holstii* Steph. Ⓣ BOT(1043,1132), NAM(2,19,1132), SAF(2,19,1132), TAN(2), ZIM(2,9).
Exormotheca megastomata Marquand 1930 = *Exormotheca holstii* Steph. 1899 (Perold 1994).
*** *Exormotheca pustulosa* Mitt. ANG(2), BOT(2), CHA(2), COM(1), CVI(2,37), ETH(2), KEN(2,2107), LES(2,75,1132), REU(1), RWA(2864,2938), SAF(2,1132,2895), SOC(746), STH(2), TAN(2), ZIM(2,9).
Exormotheca youngii S.W.Arnell 1954 = *Exormotheca holstii* Steph. 1899 (Perold 1994).
Fimbraria abyssinica Gottsche 1846 = *Asterella abyssinica* (Gottsche) Grolle 1972 (Vanden Berghe 1972b).
Fimbraria angolensis Steph. 1899 = *Asterella angolensis* (Steph.) S.W.Arnell 1963 = *Asterella wilmsii* (Steph.) S.W.Arnell 1963 (Perold 1994c).
Fimbraria bachmannii Steph. 1894 = *Asterella bachmannii* (Steph.) S.W.Arnell 1963 (Perold 1994c).
Fimbraria boryana Mont. 1838, nom. illeg. = *Asterella syngenesica* (Bory) Grolle 1974 (Grolle & Onraedt 1974, Grolle 1995).
Fimbraria coronata Steph. 1917 = *Asterella coronata* (Steph.) H.A.Mill. 1981 (Grolle 1995).
Fimbraria dissoluta Steph. 1895 = *Asterella dissoluta* (Steph.) Grolle 1989 (Grolle 1989b).
* *Fimbraria gigantea* Steph. Known only from the type from Tanzania (Stephani 1899). Presumed to be an *Asterella* sp.

- Fimbraria gondarensis* Gola 1914 = *Asterella pappii* (Gola) Grolle 1976 (Frey & Kürschner 1988).
- * ***Fimbraria incrassata*** Steph. Known only from two early reports from Ethiopia - the type (Stephani 1899) and in Gola (1914b). Provisionally placed in synonymy with *Asterella abyssinica* by Long & Grolle, *in litt.*
 - * ***Fimbraria kamerunensis*** Steph. Known only from the type from Cameroun (Stephani 1917). Provisionally placed in synonymy with *Asterella abyssinica* by Long & Grolle, *in litt.*
 - Fimbraria linearis* Steph. 1895 = *Asterella linearis* (Steph.) M.Howe 1898.
 - Fimbraria marginata* Nees 1820 = *Asterella marginata* (Nees) S.W.Arnell 1963 (Perold 1994c).
 - Fimbraria muscicola* Steph. 1892 = *Asterella muscicola* (Steph.) S.W.Arnell 1963 (Perold 1994c).
 - Fimbraria pappii* Gola 1914 = *Asterella pappii* (Gola) Grolle 1976.
 - * ***Fimbraria pirottae*** Gola Known only from the type from Ethiopia (Gola 1914b). Presumed to be an *Asterella* sp.
 - Fimbraria preussii* Schiffn. 1895 = *Asterella preussii* (Schiffn.) M.Howe 1898 (Howe 1898).
 - Fimbraria pusilla* Mitt. 1888 = *Asterella pappii* (Gola) Grolle 1976 (Frey & Kürschner 1988).
 - Fimbraria volkensii* Steph. was provisionally placed in synonymy with *Asterella dissoluta* by Long & Grolle, *in litt.*
 - Fimbraria wilmsii* Steph. 1892 = *Asterella wilmsii* (Steph.) S.W.Arnell 1963 (Perold 1994c).
 - *** ***Fossombronia angulifolia*** Perold Ⓣ LES(86,91,2890).
 - *** ***Fossombronia angulosa*** (Dicks.) Raddi CVI(2,37), KEN(2890).
 - *** ***Fossombronia caespitiformis*** (Raddi) De Not. ex Rabenh. subsp. ***caespitiformis*** ETH(2,2890), SOC(692,1985).
 - *** ***Fossombronia caespitiformis*** subsp. ***multispira*** (Schiffn.) J.R.Bray et D.C.Cargill ASC(3065) ETH(2,2890), SIE(2), TAN(2), DRC(2), ZAM(2). Reported from Ascension Island, as *F. husnotii* Corb. by Pressel *et al.* (2018). See also note under *F. hamatohirta* Steph.
 - Fossombronia capensis* S.W.Arnell 1952 = *Fossombronia crispa* Nees 1846 (Cargill 2001).
 - Fossombronia capensis* var. *spiralis* Perold 1999 = *Fossombronia crispa* Nees 1846 (Cargill 2001).
 - *** ***Fossombronia cederbergensis*** Perold Ⓣ SAF(84,91,2890).
 - *** ***Fossombronia crispa*** Nees SAF(2,83,87,91,2890), ZIM(2). The Zimbabwe record was not confirmed by Cargill (2001). Misidentified as *Jungermannia pusilla* [*F. pusilla*] by Lehmann (1829).
 - Fossombronia cristata* Lindb. 1873 = *Fossombronia wondraczekii* (Corda) Dumort. ex Lindb. 1873 (Lindberg 1874).
 - Fossombronia* cf. *crozalsii* A collection described from Cameroon (Augier 1972) is probably referable to *Fossombronia indica* (Jones & Harrington 1983).
 - *** ***Fossombronia densilamellata*** S.W.Arnell Ⓣ SAF(2,79,91,2890).
 - *** ***Fossombronia elsieae*** Perold Ⓣ SAF(88,91,2890).
 - *** ***Fossombronia foveolata*** Lindb. DRC(2890), MAU(719,2170), MDG(2890), REU(45), SAF(2), TAN(2890).
 - *** ***Fossombronia gemmifera*** Perold Ⓣ LES(86,2890), SAF(91,2890).
 - *** ***Fossombronia glenii*** Perold Ⓣ LES(86,2890), SAF(91,2890).
 - ** ***Fossombronia grandis*** Steph. Ⓣ KEN(2), TAN(2).
 - Fossombronia* aff. *grandis* UGA(96). The Uganda collection "too scanty for certain identification" (Lye & Pócs 1997).
 - *** ***Fossombronia hamatohirta*** Steph. ASC(479,2058,2890). Reports of this species are based on collections made on Ascension island in 1889. Because of its colourless rhizoids, Pressel *et al.* (2018) consider it may prove to be identical to *F. husnotii* = *F. caespitiformis* subsp. *multispira* (Schiffn.) J.R.Bray et D.C.Cargill
 - Fossombronia husnotii* Cb. = *Fossombronia caespitiformis* subsp. *multispira* (Schiffn.) J.R.Bray et D.C.Cargill (Bray 2001).
 - *** ***Fossombronia hyalorhiza*** Perold Ⓣ SAF(90,91,2890).
 - *** ***Fossombronia indica*** Steph. ASC(3065), GHA(2,2890), NGA(2,2890), SIE(2,2890), TOG(2).
 - Fossombronia intestinalis* Taylor This Australian species was included in error in (2).
 - *** ***Fossombronia leucoxantha*** (Lehm.) Lehm. et Lindenb. SAF(2,91,2890).
 - *** ***Fossombronia marindae*** Perold Ⓣ SAF(90,91,2890).
 - *** ***Fossombronia montaguensis*** S.W.Arnell Ⓣ LES(75), SAF(2,91,2890).
 - *** ***Fossombronia monticola*** Perold Ⓣ SAF(90,91,2890).
 - ** ***Fossombronia nyikaensis*** Perold Ⓣ MLW(664).
 - Fossombronia occidento-africana* S.W.Arnell 1952 = *Fossombronia indica* Steph. 1917 (Scott & Pike 1988).

Fossombronia porphyrorhiza (Nees) Prosk. 1955. According to Jones (1990), this species was once recorded, as *Noteroclada porphyrorhiza* (Nees) Mitt., from Mt. Kilimanjaro, Tanzania. However, no published details have been found, and that record of this American species is treated as very doubtful.

** ***Fossombronia pulvinata*** Steph. (E) RWA(2,2816,2864). The type specimen is annotated by S.M. Perold as *Fossombronia* sp. (sterile).

*** ***Fossombronia pusilla*** (L.) Nees CVI(2,37), DRC(2), LES(75), MLW(2), REU(1,2890), RWA(2,2864), SAF(2890), TAN(2890), UGA(2890).

*** ***Fossombronia renateae*** Perold (E) SAF(89,91,2890).

*** ***Fossombronia rwandaensis*** Perold (E) BUR(2890), RWA(85,2864,2890).

*** ***Fossombronia spinifolia*** Steph. (E) SAF(2,88,91,2890).

Fossombronia spinosa Perold 1999 = *Fossombronia spinifolia* Steph. 1900 (Cargill 2001).

*** ***Fossombronia stephanii*** Schiffn. ex Steph. (E) MAU(2890), REU(1,2890).

*** ***Fossombronia straussiana*** Perold (E) MLW(79,91,2890), SAF(79,91,2890), TAN(2890), UGA(2890).

*** ***Fossombronia swaziensis*** Perold (E) SAF(86,91,2890), SWZ(86,91,2890).

*** ***Fossombronia tumida*** Mitt. (E) SAF(2,91,2890). Reports from Tanzania are treated as extremely doubtful by Cargill (2001).

Fossombronia wondraczekii (Corda) Dumort. ex Lindb. This taxon is not confirmed from Africa. Grolle (1995) based the record for Réunion on the collection *G. de l'Isle* 320, listed in Bescherelle (1895) under *F. cristata* Lindb., which Lindberg treated as a synonym. However, Cargill (2001) designated *de l'Isle* 320 lectotype of *F. stephanii* Schiffn. ex Steph. The Mauritius record (Stephani 1894a:118) is also assigned to *F. stephanii* (Cargill 2001).

Fossombronia zeyheri Steph. 1900 = *Fossombronia crispa* Nees 1846 (Perold 1997e, 1997f).

** ***Fossombronia zuurbergensis*** Perold (E) SAF(663).

Fossombronia sp. MDG(720).

Fossombronia sp. PRI(2374).

Frullania abyssinica Steph. 1910 perhaps = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghe 1976).

Frullania acutiloba Gerola, nom. illeg. [non Mitt. 1861] = *Frullania plicata* Hentschel et von Konrat 2015 (Hentschel et al. 2015).

* ***Frullania affinis*** Nees et Mont. 1843. A nomen dubium according to Vanden Berghe (1976); perhaps synonymous with *F. ecklonii* (Spreng.) Gottsche et al. Records from the Indian Ocean Islands treated as doubtful by Grolle (1995).

Frullania africana Steph. 1891 = *Frullania rio-janeirensis* (Raddi) Ångstr. 1876 (Yuzawa 1991).

*** ***Frullania albertii*** Steph. BUR(2), KEN(2).

*** ***Frullania anderssonii*** Ångstr. (E) COM(1), MAU(1,43,2170,2879), MDG(1), REU(1,4), SAF(2), SEY(1).

Frullania angolensis Steph. 1910 = *Frullania obscurifolia* Mitt. 1879 (Vanden Berghe 1976).

** ***Frullania angulata*** Mitt. var. *angulata* (E) ANG(2), ANN(2,33), ASC(3065), BIO(2,33,36,72), BUR(2), CMN(2), COM(1), DRC(2,130,2628), ETH(2,2345), KEN(2,665,731,2066), MAU(1,2170), MDG(1,720), MLW(2,114), MOZ(2), NGA(2), REU(1,4), RWA(2,130,2864), SAO(2,2684), TAN(2,2628,2818), UGA(2,96), ZIM(2).

Frullania angulata var. *goetzeana* (Steph.) Demaret et Vanden Berghe 1950 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghe 1976).

** ***Frullania angulata*** var. *laciniata* Vanden Berghe (E) MDG(1,2628), MLW(2).

Frullania angulata fo. *serratooides* Vanden Berghe (E) DRC(2).

Frullania angustifolia Steph. 1910 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghe 1976).

* ***Frullania apertilobula*** Gerola Known only from the type from Ethiopia (Gerola 1947). Not examined by Vanden Berghe (1976).

** ***Frullania apicalis*** Mitt. (E) ANN(2), ASC(3065), BIO(2,33,36), BUR(2), COM(1), DRC(2), ETH(2,2345), GHA(2,3013), GUI(2), IVO(2), KEN(2,71,731), LBR(2), MAU(1,4,2170), MDG(1,4), MLW(114), MOZ(2), NGA(2), PRI(2750), REU(1,4), RIM(10), ROD(1,723), RWA(2,2864), SAO(2), SEY(4,108), SIE(2), TAN(2), UGA(2), ZIM(2).

** ***Frullania apicalis*** var. *camerunensis* Vanden Berghe (E) CMN(2), KEN(731).

** ***Frullania apiculata*** (Reinw., Blume et Nees) Nees CMN(2), COM(1), DRC(130), GAB(2), GHA(2), GUI(2), MAU(1,2170), MDG(1,4,720), REU(1,4), RIM(10), RWA(130,2864), SAO(2374), SEY(1,4).

- Frullania apiculata* Dumort. 1835, nom. inval. = *Frullania apiculata* (Reinw., Blume et Nees) Nees in Gottsche, Lindenb. et Nees 1845 (Vanden Berghen 1976).
- * *Frullania apiculata* Pearson 1887, nom. inval. = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).
- Frullania arecae* (Spreng.) Gottsche 1863 = *Frullania obscura* (Sw.) Mont. 1840 (Gradstein 2012).
- Frullania armatistipula* Steph. 1910 = *Frullania ericoides* (Nees) Mont. 1839 (Vanden Berghen 1976).
- Frullania bangiensis* Steph. 1910 = *Frullania squarrosa* (Reinw., Blume et Nees) Nees 1845 (Demaret & Vanden Berghen 1947, Vanden Berghen 1976) = *Frullania ericoides* (Nees) Mont. 1839 (Grolle 1968b, Vanden Berghen 1976).
- Frullania bessonii* Steph. 1893 probably = *Frullania loricata* Pearson 1891 (Vanden Berghen 1976).
- Frullania bilabiata* Steph. 1911 = *Frullania loricata* Pearson 1891 (Vanden Berghen 1976).
- Frullania boivinii* Steph. 1911 = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).
- * ***Frullania borbonica*** Lindenb. ② MAU(1), MDG(1), REU(1).
Frullania borgenii Pearson 1891 = *Frullania obscurifolia* Mitt. 1879 (Vanden Berghen 1976).
Frullania brasiliensis Raddi 1822. Pearson's collection from Madagascar (Pearson 1891) is *Frullania longistipula* Steph. (Grolle 1995).
- * ***Frullania brunea*** (Spreng.) Drège "brunnea" ② MLW(2), SAF(2).
Frullania brunntaleri Steph. 1911 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).
- *** ***Frullania bullata*** Steph. ② MAU(1,2170), MDG(1), MOZ(2), TAN(2).
Frullania bursicula Steph. 1911 = *Frullania socotrana* Mitt. 1888 (Vanden Berghen 1976).
Frullania bystroemii S.W.Arnell 1961 = *Frullania spongiosa* Steph. 1894 (Vanden Berghen 1976).
- *** ***Frullania caffraria*** Steph. ANG(2), BIO(2,33), CMN(2), DJI(2), DRC(2), ERI(2), ETH(2,2345,3012), KEN(2,21,71,665,731,759,2066), MAU(1,2170), MDG(1), MLW(2,114), NGA(2), REU(1), RWA(2,2864,2938), SAF(2), SAO(2684), TAN(2,2818), UGA(2,50,96), ZAM(2), ZIM(2).
- * ***Frullania caffraria* fo. *anomala*** Vanden Berghen ② DRC(2).
Frullania cambouena Steph. 1891 = *Frullania loricata* Pearson 1891 (Vanden Berghen 1976).
Frullania cameronensis Steph. 1911 = *Frullania apiculata* (Reinw., Blume et Nees) Nees 1845 (Vanden Berghen 1976).
- *** ***Frullania capensis*** Gottsche ② MAU(1), MDG(1), MLW(114), MOZ(2), REU(1,4), RWA(2864,2938), SAF(2), TAN(2), ZIM(2).
Frullania capensis sensu Sim 1926 [non Gottsche 1845] = *Frullania obscurifolia* Mitt. 1879 (Vanden Berghen 1976).
Frullania cardotii Steph. 1910 = *Frullania obscurifolia* Mitt. 1879 (Vanden Berghen 1976).
- * ***Frullania cavallii*** Gola ② Known only from the type from Uganda (Gola 1907).
- * ***Frullania chiovendae*** Gola ② Known only from the original collections from Ethiopia (Gola 1914a).
Frullania clavellifera Steph. 1911 = *Frullania lindenbergii* Lehm. 1844 (Vanden Berghen 1976).
Frullania colonica Steph. 1910 = *Frullania spongiosa* Steph. 1894 (Demaret & Vanden Berghen 1947, Vanden Berghen 1976).
Frullania conjugata Steph. 1911 = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).
Frullania cordata Mitt. 1863 = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).
Frullania cordifolia Steph. 1911 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).
Frullania creberrima Steph. 1911 = *Frullania loricata* Pearson 1891 (Vanden Berghen 1976).
Frullania crenuliflora Pearson 1924 perhaps = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976). Taxon erroneously transcribed as *F. crenatiflora* in Vanden Berghen (1976).
Frullania crispistipula Steph. 1894 = *Frullania arecae* (Spreng.) Gottsche 1863 (Vanden Berghen 1976) = *Frullania obscura* (Sw.) Mont. 1840 (Gradstein 2012).
Frullania cuculliloba Steph. 1911 = *Frullania obscurifolia* Mitt. 1879 (Vanden Berghen 1976).
Frullania cyparioides (Schwägr.) Nees 1838. The record from Mauritius (Gottsche 1845) is treated as an error (Grolle 1995).
Frullania dalleana Gerola 1947 perhaps = *Frullania socotrana* Mitt. 1888 (Vanden Berghen 1976).
Frullania densepinnata Steph. 1911 = *Frullania apicalis* Mitt. 1878 var. *apicalis* (Vanden Berghen 1976).
Frullania dentilobula Steph. 1894 = *Frullania arecae* (Spreng.) Gottsche 1863 (Vanden Berghen 1976) = *Frullania obscura* (Sw.) Mont. 1840 (Gradstein 2012).
- *** ***Frullania depressa*** Mitt. ② BIO(1718), BUR(2), CMN(2), COM(4), DRC(2,822), ETH(2,2345,3012), KEN(2,759), LES(75), MDG(1), MLW(114), NGA(2), RWA(2,2864), SAF(2,75), SAO(2750), SIE(2), STH(2895), TAN(2), UGA(50), ZIM(2).
- *** ***Frullania dilatata*** (L.) Dumort. CVI(37,124).
- ** ***Frullania diptera*** (Lehm.) Drège ② ANG(2), ANN(2,33), BEN(22), DIE(1760), DRC(2,822), ETH(2345), GHA(2,3013), KEN(2,665,2066), MAU(1,2170), MDG(1,720), MLW(114),

NGA(2), REU(1,4), SAF(2), SAO(2,2684), TAN(2), TOG(101), UGA(42,50).

Frullania dupuisana Steph. ex Bonner 1965, *nom. nud.* = *Frullania ericoides* (Nees) Mont. 1839 (Demaret & Vanden Berghen 1947, Vanden Berghen 1976).

Frullania dusenii Schiffn. in sched. [non Steph. 1905] = *Frullania spongiosa* Steph. 1894 (Vanden Berghen 1976).

*** ***Frullania ecklonii*** (Spreng.) Gottsche, Lindenb. et Nees CMN(2), DRC(2), KEN(2,759),

MDG(2498), MLW(2), SAF(2), TAN(2,2818), UGA(2,96). Reported by Stephani from São Tomé. However, Sérgio & Garcia (2011) consider it is yet to be confirmed from that island, since most or all of his reports are based on misidentifications.

Frullania elliotii Steph. 1894 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).

Frullania emergens Mitt. 1863 = *Frullania ecklonii* (Spreng.) Gottsche, Lindenb. et Nees 1845 (Vanden Berghen 1976).

Frullania epiphylla Vanden Berghen 1976, *hom. illeg.* [non S.Hatt. 1974] = *Frullania vandenberghenii* Pócs 1979 (Bizot & Pócs 1979).

** ***Frullania eplicata*** Steph. ⑩ GHA(2,3013), MLW(114), MOZ(2), SAF(2), TAN(2), DRC(2), ZAM(2), ZIM(2).

Frullania ericicola Steph. in Bonner 1965 perhaps = *Frullania variegata* Steph. 1894 (Vanden Berghen 1976).

*** ***Frullania ericoides*** (Nees) Mont. ALD(34), ANG(2,822), ANN(2,33), ASC(2,3065), BEN(22), BIO(2,33), BUR(2), CAF(2), CGS(1760), CMN(2), COM(1), CON(2), CVI(2,37), DIE(1760), DRC(2,822), ERI(121), ETH(2,2345), GAB(2), GHA(2), GUI(2), IVO(51,53), KEN(2,731,2066), MAU(1,43,2170), MDG(1), MLW(2,114), MOZ(2), NGA(2), PRI(2,2684), REU(1), ROD(1,723), RWA(2,130,2864), SAF(2,75), SAO(2684), SEY(1,4,2021), SIE(2), SOC(2), TAN(2), TOG(2,101), UGA(2,96), ZAM(2), ZIM(2).

Frullania erosolimbata Steph. 1924 = *Frullania caffraria* Steph. 1894 (Vanden Berghen 1976).

Frullania erronea Steph. 1911 = *Frullania depressa* Mitt. 1863 (Vanden Berghen 1976).

Frullania exigua Steph. 1910 = *Frullania obscurifolia* Mitt. 1879 (Demaret & Vanden Berghen 1947, Vanden Berghen 1976).

Frullania filiformis Steph. 1910 = *Frullania loricata* Pearson 1891 (Vanden Berghen 1976).

Frullania fusca Steph. 1894 = *Frullania lindenberghii* Lehm. 1844 (Vanden Berghen 1976).

** ***Frullania gabonensis*** Vanden Berghen ⑩ CMN(2), GAB(2), MDG(1,4), SEY(2785).

Frullania garsidei S.W.Arnell 1953 = *Frullania variegata* Steph. 1894 (Vanden Berghen 1976).

Frullania goetzeana Steph. 1901 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).

Frullania gracilis (Reinw., Blume et Nees) Gottsche, Lindenb. et Nees 1845. The records from Mauritius are based on erroneous identifications according to Hattori & Lin (1985).

** ***Frullania grossiclava*** Steph. ⑩ DRC(2), MDG(1,4,720), MLW(114), MOZ(2), REU(2129), TAN(2), ZIM(2).

Frullania hamatirostra Gerola 1947 perhaps = *Frullania ericoides* (Nees) Mont. 1839 (Vanden Berghen 1976).

Frullania hamatirostra fo. *evoluta* perhaps = *Frullania ericoides* (Nees) Mont. 1839 (Vanden Berghen 1976).

Frullania hedbergii Vanden Berghen 1953 = *Frullania albertii* Steph. 1916 (Yuzawa 1991).

Frullania hildebrandtii Steph. 1910 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).

Frullania hispida Steph. 1911 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).

Frullania hoehneliana Steph. 1894 = *Frullania caffraria* Steph. 1894 (Vanden Berghen 1953a, 1976).

Frullania holstii Steph. 1894 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).

** ***Frullania humbertii*** Vanden Berghen ⑩ MDG(1), REU(1).

** ***Frullania imerinensis*** Steph. ⑩ MDG(1,720), RWA(2,2864), SEY(4).

Frullania inflatiloba Steph. 1910 = *Frullania diptera* (Lehm.) Drège 1843 (Vanden Berghen 1976).

Frullania insularis Beauverd 1924 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).

Frullania johannensis Steph. 1911 = *Frullania serrata* var. *pertenuis* (Nees) Gottsche, Lindenb. et Nees 1845 (Vanden Berghen 1976).

Frullania junghuhniana Gottsche 1845. The records from Indian Ocean Islands, all from the nineteenth century, are treated as doubtful by Grolle (1995).

Frullania jungneri Steph. 1911 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).

Frullania kilimanjarica Vanden Berghen 1953 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).

Frullania kinangopii Gola 1916 perhaps = *F. apicalis* Mitt. 1879 (Vanden Berghen 1976).

Frullania kizarensis Steph. 1911 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).

Frullania lacerata Steph. 1911 = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).

Frullania laceriloba Steph. 1911 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).

Frullania laceriloba var. *acutifolia* S.W.Arnell 1956 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).

- Frullania laxepinnata* Steph. 1895, *nom. nud.* [non Steph 1911] = *Frullania angulata* Mitt. var. *angulata* 1963 (Vanden Berghen 1976).
- Frullania lepervanchii* Steph. 1911 = *Frullania lindenbergii* Lehm. 1844 (Vanden Berghen 1976).
- ** ***Frullania letestui*** Vanden Berghen Ⓢ ANG(2848), CAF(2), CMN(2), DRC(2), GAB(2).
Frullania levicalyx Steph. 1912 = *Frullania trinervis* Drège 1843 (Vanden Berghen 1976).
- *** ***Frullania lindenbergii*** Lehm. KEN(2), MAU(1,2170), MDG(1,4,720), MLW(114), MOZ(2), REU(1,4), RWA(2864,2938), SAF(2), SEY(4,108), TAN(2), UGA(50), ZIM(2).
Frullania lobangensis Steph. 1910 = *Frullania caffraria* Steph. 1894 (Vanden Berghen 1976).
Frullania longirostris Steph. 1894 = *Frullania ecklonii* (Spreng.) Gottsche, Lindenb. et Nees 1845 (Yuzawa 1991).
- ** ***Frullania longistipula*** Steph. Ⓢ MDG(1,2628).
- ** ***Frullania loricata*** Pearson Ⓢ MDG(1,720), MLW(2,114), TAN(2), UGA(2).
- * ***Frullania loricata*** var. *laxa* Pearson Ⓢ MDG(1).
Frullania macroloba Steph. 1910 = *Frullania anderssonii* Ångstr. 1873 (Vanden Berghen 1976).
Frullania madagascariensis Gottsche 1882, *nom. dub.* The record from Madagascar (Gottsche 1845) is discounted (Grolle 1995).
Frullania mauritiana Austin 1870, *nom. dub.* The mid-nineteenth century record from Mauritius is discounted (Grolle 1995).
Frullania mildbraedii Steph. 1911 = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).
Frullania molleri Steph. 1894. Described by Stephani (1894) from São Tomé. The specimen (G) is apparently only a small scrap with an androecium. It is probably indeterminate, and Vanden Berghen (1976) placed it "with doubt" as a synonym of *Frullania caffraria* Steph.
Frullania multiramosa Steph. 1894 = *Frullania capensis* Gottsche 1845 (Vanden Berghen 1976).
Frullania mundiana Lindenb. et Gottsche 1847 = *Frullania arecae* (Spreng.) Gottsche 1863 (Vanden Berghen 1976) = *Frullania obscura* (Sw.) Mont. 1840 (Gradstein 2012).
Frullania natalensis Sim 1926 = *Frullania depressa* Mitt. 1863 (Vanden Berghen 1976).
Frullania nervosa Mont. 1840 = *Frullania tamarisci* (L.) Dumort. 1835 (Grolle 1970, Vanden Berghen 1976).
Frullania newtonii Steph. 1911 perhaps = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).
Frullania nigricans Steph. 1911 = *Frullania apiculata* (Reinw., Blume et Nees) Nees 1845 (Vanden Berghen 1976).
- *** ***Frullania nodulosa*** (Reinw., Blume et Nees) Nees CMN(2), COM(1), DRC(2), GHA(2), IVO(2), MDG(1,4), NGA(2), SEY(1), SIE(2), TAN(2).
Frullania nutans Steph. 1901 perhaps = *Frullania caffraria* Steph. 1894 (Vanden Berghen 1976).
Frullania obconica Steph. 1910 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
- *** ***Frullania obscura*** (Sw.) Mont. BIO(2,33), BUR(2), CMN(2), DRC(2,130,822), ETH(2,2345,3012), GHA(2), KEN(2,71,665,731,759,2066), MAU(2170), MDG(1), MLW(2), MOZ(2), NGA(2), REU(1), RWA(2,2864), SAF(2,75), SAO(2,2684), SIE(2), TAN(2), UGA(2,42,96), ZIM(2).
Frullania obscura Steph. 1910, *hom. illeg.* [non (Sw.) Dumort. 1835] = *Frullania anderssonii* Ångstr. 1873 (Vanden Berghen 1976).
Frullania obscura var. *costata* Nees, *nom. herb* = *Frullania trinervis* (Lehm.) Drège 1843 (Gottsche *et al.* 1845).
- *** ***Frullania obscurifolia*** Mitt. ANG(2,822), ANN(2,33), BUR(2), CAF(2), CMN(2), COM(4), CON(2), DJI(2), DRC(2,822), ETH(2,2345), GHA(2), KEN(2,21,71,665,759,2066), LES(75), MAU(1,2170), MDG(1,4), MLW(2,114), MOZ(2), NGA(2), PRI(2750), ROD(1,723), RWA(2,2864), SAF(2,75), SAO(1184), SEY(1,4), SIE(2), SWZ(2), TAN(2), UGA(2,42), ZAM(2), ZIM(2).
- ** ***Frullania onraeditii*** Vanden Berghen Ⓢ MAU(1,2170).
Frullania ovalifolia Kiaer et Pearson 1891 = *Frullania anderssonii* Ångstr. 1873 (Vanden Berghen 1976).
Frullania ovifolia Kiaer et Pearson ex Steph. 1910 = *Frullania anderssonii* Ångstr. 1873 (Vanden Berghen 1976).
Frullania parisii Steph. 1908 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
Frullania perrotana Steph. 1911 = *Frullania apiculata* (Reinw., Blume et Nees) Nees 1845 (Vanden Berghen 1976).
Frullania picta Steph. The report from Mauritius (Arnell 1965) belongs to *Frullania purpurea* Steph. (*fide* Vanden Berghen 1976).
Frullania platyflora Pearson 1922 = *Frullania elpicata* Steph. 1911 (Vanden Berghen 1976).
- * ***Frullania plicata*** Hentschel et von Konrat Ⓢ ETH(2,2794).
- *** ***Frullania purpurea*** Steph. Ⓢ COM(4), MAU(1,2170), MDG(1,4,720), NGA(2), RIM(10),

- SAO(2,2684), SEY(4), SIE(2).
- Frullania purpureopicta* Steph. 1910 = *Frullania socotrana* Mitt. 1888 (Demaret & Vanden Berghen 1947).
Frullania rehmannii Steph. 1911 = *Frullania capensis* Gottsche 1845 (Vanden Berghen 1976).
Frullania renaudii Steph. 17 Jul 1911 [non 28 Feb 1911] = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).
Frullania renaudii Steph. 28 Feb 1911 [non 17 Jul 1911] = *Frullania variegata* Steph. 1894 (Vanden Berghen 1976).
Frullania renistipula Steph. 1910 = *Frullania anderssonii* Ångstr. 1873 (Vanden Berghen 1976).
- *** ***Frullania repandistipula*** Sande Lac. COM(1), MDG(1), REU(1,4), SEY(1,4,108), TAN(2).
- ** ***Frullania rigida*** Steph. Ⓣ MDG(1).
- *** ***Frullania rio-janeirensis*** (Raddi) Ångstr. ANG(2848), CMN(2), DRC(2), ETH(2345), GAB(2), GHA(2), GUI(2), NGA(2), PRI(2,2684), SAO(2,2684), TAN(2), TOG(101).
Frullania riparia Hampe ex Lehm. 1838. According Grolle & Long (2000), *Frullania riparia* was recorded in error for *F. ericoides* (Arnell 1961a) from the Cape Verde Islands. *F. riparia* is confirmed only from Europe and North America.
- Frullania robillardii* Steph. 1893 = *Frullania anderssonii* Ångstr. 1873 (Vanden Berghen 1976).
Frullania robusta Kjaer 1891, nom. inval. [non (Spruce) Steph. 1911] = *Frullania loricata* Pearson 1891 (Vanden Berghen 1976).
Frullania rodriguezii Steph. 1894 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).
Frullania rupestris Steph. 1894 = *Frullania schimperi* Nees var. *schimperi* 1845 (Vanden Berghen 1976).
Frullania rutenbergii Gottsche 1882 = *Frullania apicalis* Mitt. var. *apicalis* 1878 (Vanden Berghen 1976).
Frullania sandei Kjaer ex Steph. 1894, with some doubt = *Frullania caffraria* Steph. 1894 (Vanden Berghen 1976).
- *** ***Frullania schimperi*** Nees var. *schimperi* Ⓣ BUR(2), CMN(2), ETH(2), KEN(2,71,665), MDG(1,720), RWA(2,2864), SOC(764), TAN(2), UGA(50).
- ** ***Frullania schimperi*** var. *laciniata* Vanden Berghen Ⓣ MDG(1).
- * ***Frullania semienana*** Gola Ⓣ Known only from the type from Ethiopia (Gola 1914b). Not examined by Vanden Berghen (1976).
- ** ***Frullania serrata*** Gottsche var. *serrata* CMN(2), COM(1), DRC(2,822), ETH(2,2345), KEN(2,731), MAU(1,2170), MDG(1,4,720), MLW(2,114), MOZ(2), REU(1,4), RWA(2,2864), SAF(2), SAO(2), TAN(2), UGA(2,96), ZIM(2).
- ** ***Frullania serrata*** var. *pertenuis* (Nees) Schiffn. COM(1), DRC(2), MDG(1,4), RWA(2), TAN(2).
Frullania sylvestris Sim 1926, nom. illeg. [non Steph. 1908]. Placed in synonymy with *F. natatalensis* by Arnell (Arnell 1955), but Vanden Berghen (1976) was unable to come to any conclusion as to its identity.
- ** ***Frullania socotrana*** Mitt. Ⓣ CMN(2), CVI(2,37), DRC(2), ETH(2345), KEN(2,2066), LES(75), MDG(1), MOZ(2), RWA(2864,2938), SAF(2), SOC(2), TAN(2), UGA(2,50,96).
Frullania sphaeroflora Steph. 1911 = *Frullania bullata* Steph. 1910 (Vanden Berghen 1976).
- *** ***Frullania spongiosa*** Steph. Ⓣ BEN(22), CMN(2), CVI(2,37), DRC(2), GAB(2396), GHA(2,3013), IVO(2,53), KEN(2066), MDG(4), NGA(2), PRI(2374), REU(2360,2864,2938), RIM(10), SAF(2), SAO(2684), SEY(4), TAN(2), TOG(101), UGA(50), ZIM(2).
Frullania squarrosa (Reinw., Blume et Nees) Nees 1845 = *Frullania ericoides* (Nees) Mont. 1839 (Grolle 1968b, Vanden Berghen 1976).
Frullania staudtiana Steph. 1911 probably = *Frullania apiculata* (Reinw., Blume et Nees) Nees 1845 (Vanden Berghen 1976).
Frullania stephanii Schiffn. 1893 perhaps = *Frullania caffraria* Steph. 1894 (Vanden Berghen 1976).
Frullania stipatiflora Steph. 1911 = *Frullania apicalis* Mitt. var. *apicalis* 1978 (Vanden Berghen 1976).
Frullania stricta (F.Weber) Lindenb. 1845 = *Frullania serrata* Gottsche var. *serrata* 1945 (Vanden Berghen 1976).
Frullania stylata Gerola 1947 perhaps = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
Frullania subatrata Steph. 1911 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).
Frullania subplana Gottsche ex Steph. 1910 = *Frullania bullata* Steph. 1910 (Vanden Berghen 1976).
Frullania substicta Steph. 1913 probably = *Frullania angulata* Mitt. 1863 (Vanden Berghen 1976).
- *** ***Frullania tamarisci*** (L.) Dumort. CVI(2,20,37).
Frullania tatarinovii Steph. 1894 = *Frullania ericoides* (Nees) Mont. 1839 (Demaret & Vanden Berghen 1947, Vanden Berghen 1976).
Frullania thomeensis Steph. 1910 probably = *Frullania arecae* (Spreng.) Gottsche 1863 (Vanden Berghen 1976) = *Frullania obscura* (Sw.) Mont. 1840 (Gradstein 2012).
Frullania tixeriana Vanden Berghen 1976 = *Frullania repandistipula* Sande Lac. 1855 (Grolle 1978).

- Frullania traversiana* Steph. 1910 = *Frullania depressa* Mitt. 1863 (Vanden Berghen 1976).
- ** *Frullania trinervis* (Lehm.) Drège ANG(2), BIO(2,33), CAF(2), CON(2), DRC(2), ETH(2,2345), GHA(2), GUI(2), KEN(2,759), LES(2,75), MAU(4), MDG(1), MLW(2,114), MOZ(2), NGA(2), REU(2129), SAF(75), SEY(4), SIE(2), SOC(94), TAN(2), TOG(101), UGA(2,42), ZAM(2), ZIM(2).
Frullania truncatiloba sensu Vanden Berghen 1961 [non Steph. 1910] = *Frullania depressa* Mitt. 1863 (Vanden Berghen 1976).
Frullania truncatiloba Steph. 1910 [non sensu Vanden Berghen 1961] = *Frullania africana* Steph. 1891 (Vanden Berghen 1976) = *Frullania rio-janeirensis* (Raddi) Ångstr. 1876 (Yuzawa 1991).
Frullania ubangiensis Steph. 1910 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
Frullania usagara Mitt. 1886 = *Frullania ericoides* (Nees) Mont. 1839 (Demaret & Vanden Berghen 1947).
- *** *Frullania usambarana* Schiffn. ⑩ MAU(2170), MDG(1,4), REU(4), TAN(2).
- ** *Frullania usambarana* var. *reducta* Vanden Berghen ⑩ MDG(1), REU(1).
Frullania usambarensis Steph. 1910 = *Frullania spongiosa* Steph. 1894 (Vanden Berghen 1976).
- ** *Frullania vandenberghenii* Pócs ⑩ MDG(1,4), UGA(50).
Frullania vanderystii Steph. 1910 = *Frullania obscurifolia* Mitt. 1879 (Demaret & Vanden Berghen 1947).
Frullania varia Gottsche 1882 = *Frullania angulata* Mitt. var. *angulata* 1863 (Vanden Berghen 1976).
- ** *Frullania variegata* Steph. ⑩ BUR(2), CMN(2), COM(2366), GHA(3013), MAU(1,2170), MDG(1,4,720), MLW(114), REU(1), RWA(2,130), SAF(2), TAN(2).
Frullania welwitschii Steph. 1901 = *Frullania squarrosa* (Reinw., Blume et Nees) Nees 1845 (Arnell 1962b) = *Frullania ericoides* (Nees) Mont. 1839 (Grolle 1968b).
Frullanoides rio-janeirensis Raddi 1822 = *Frullania rio-janeirensis* (Raddi) Ångstr. 1876 (Yuzawa 1991).
- *** *Frullanoides tristis* (Steph.) van Slageren ANG(2,822), BUR(2), CAF(2), CMN(2), DRC(2), ETH(2,2345), IVO(2), KEN(2,2066), MDG(1), NGA(2), REU(2129), RWA(2,2864), SAF(2,75), SIE(2), TAN(2), UGA(50).
- *** *Fuscocephaloziopsis africana* (Váňa) Váňa et L. Söderstr. ⑩ DRC(2), RWA(2,2864).
- *** *Fuscocephaloziopsis connivens* subsp. *fissa* (Steph.) Váňa et L. Söderstr. ⑩ BIO(2,33), CMN(2), COM(2785), CON(2), DRC(2), GAB(2), GHA(2), MDG(1,4,720), MLW(114), NGA(2), PRI(2), REU(1712), RIM(10), RWA(2864,2938), SAF(2), SAO(2), TAN(2), TOG(2), UGA(2,96), ZAM(2), ZIM(2).
- *** *Fuscocephaloziopsis pleniceps* (Austin) Váňa et L. Söderstr. STH(2895). Published under the name *Cephalozia sanctae-helenae* in Wigginton (2012), but now re-assigned by the author.
Gamochaetum concretum (Mont.) Trevis. 1879 = *Lophocolea concreta* Mont. 1845 (Grolle 1995).
- ** *Geocalyx orientalis* Besch. et Spruce ⑩ REU(1,2880).
- *** *Gongylanthus ericetorum* (Raddi) Nees BUR(2), CMN(2), DRC(2), ETH(2), KEN(2,2107), LES(75), MDG(1), MLW(2,29), REU(1), SAF(2,75), SIE(2), TAN(2), UGA(776), ZAM(2), ZIM(2). Listed in error from Rwanda in (2).
- * *Gongylanthus renifolius* (Mitt.) Steph. ⑩ RWA(2), SAF(2), TAN(2), UGA(776). Considered by R. Grolle to be synonymous with *Gongylanthus ericetorum* (Jones 1964) and treated as such in Söderström et al. (2016), but apparently the synonymy is not yet published. Listed in error from Burundi in (2).
- *** *Gongylanthus richardsii* E.W.Jones ⑩ CMN(2), SIE(2), TAN(2), UGA(42).
- * *Gongylanthus scariosus* (Lehm.) Steph. CMN(2), ETH(2), MLW(29), REU(1), SAF(2). Considered by E.W.Jones and R. Grolle to be probably synonymous with *Gongylanthus ericetorum* (Raddi) Nees (Jones 1964; Grolle 1995).
Gottschaea alata (Lehm.) Nees 1844 = *Schistochila alata* (Lehm.) Schiffn. 1893.
Gottschaea borbonica (Steph.) Bonner 1966 = *Schistochila neesii* (Mont.) Lindb. 1873 (Söderström, Hagborg, von Konrat et al. 2016).
Gottschaea neesii Mont. 1843 = *Schistochila neesii* (Mont.) Lindb. 1873 (Söderström, Hagborg, von Konrat et al. 2016).
Gottschaea engleriana (Steph.) Grolle et Zijlstra 1984 = *Schistochila engleriana* Steph. 1909 (Söderström, Hagborg, von Konrat et al. 2016).
Gottschaea schwaegricheniana Nees et Mont. 1843, nom. inval. = *Schistochila neesii* (Mont.) Lindb. 1873 (Grolle & Zijlstra 1984).
Gottschaea sphagnoides (Schwägr.) Lindb. 1870 = *Schistochila sphagnoides* (Schwägr.) Lindb. ex Steph. 1909 (Söderström, Hagborg, von Konrat et al. 2016).
Gottschaea thouarsii (Hook.) Nees 1844 = *Schistochila sphagnoides* (Schwägr.) Lindb. ex Steph. 1909 (Söderström, Hagborg, von Konrat et al. 2016).

- *** *Gottschelia schizopleura* (Spruce) Grolle MAU(2170), MDG(1,4,720), MLW(2,114), REU(1,4), TAN(2).
Grimaldia abyssinica Gola 1914 = *Plagiochasma eximium* (Schiffn.) Steph. 1898 (Bischler 1978).
Grimaldia capensis Steph. 1898 = *Mannia capensis* (Steph.) S.W.Arnell 1957 (Arnell 1957c) = *Mannia androgyna* (L.) A.Evans 1938 (Schill 2006).
Grimaldia delessertii Mont. 1846, nom. inval. = *Marchantia globosa* Brid. 1815 (Bischler-Causse 1993).
Grimaldia dichotoma Raddi 1818, nom. illeg. = *Mannia androgyna* (L.) A.Evans 1938 (Grolle 1968b).
Gymnanthe anisodonta (Hook.f. et Taylor) Gottsche 1864 = *Tylimanthus anisodontus* (Hook.f. et Taylor)
Mitt. 1875 (Grolle & Persson 1966) = *Acrobolbus anisodontus* (Hook.f. et Taylor) Briscoe 2015 (Briscoe et al. 2015).
Gymnanthe belangeriana (Lehm. et Lindenb.) Steph. 1894 = *Notoscyphus lutescens* (Lehm. et Lindenb.)
Mitt. 1873 (Schiffner 1898, Grolle 1995).
Gymnanthe biloba Mitt. 1863 = *Andrewsianthus bilobus* (Mitt.) Grolle 1963 (Grolle 1963b).
Gymnanthe decipiens (Hook.) Mitt. 1863 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Grolle 1972) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).
- *** *Gymnocoleopsis capensis* (S.W.Arnell) R.M.Schust. Ⓣ SAF(2).
- *** *Gymnocoleopsis cylindriformis* (Mitt.) R.M.Schust. DRC(2), TAN(2).
Gymnocoleopsis multiflora (Steph.) R.M.Schust. 1978 = *Gymnocoleopsis cylindriformis* (Mitt.) R.M.Schust.
1995 (Váňa 2013a).
- *** *Gymnomitrium africanum* (Steph.) Horik. DRC(2), KEN(2), RWA(2,2864), TAN(2), UGA(2,1473).
Gymnomitrium belangerianum (Lehm. et Lindenb.) Gottsche 1844 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Schiffner 1898, Grolle 1995).
Gymnomitrium elgonense S.W.Arnell 1956 = *Gymnomitrium laceratum* (Steph.) Horik. 1943 (Váňa 1985).
Gymnomitrium elgonense var. *squarrosum* S.W.Arnell 1956 = *Gymnomitrium laceratum* (Steph.) Horik. 1943
(Váňa 1985).
- *** *Gymnomitrium bolivianum* (Steph.) Váňa SAF(2,75).
- *** *Gymnomitrium laceratum* (Steph.) Horik. DRC(2), KEN(2), RWA(2,2864), SAF(2,75), TAN(2), UGA(7,1473).
Gymnomitrium laceratum var. *squarrosum* S.W.Arnell 1963 = *Gymnomitrium laceratum* (Steph.) Horik. 1943
(Váňa et al. 2010).
Gymnomitrium scariosum (Lehm.) Nees 1844 = *Gongylanthus scariosus* (Lehm.) Steph. 1906 (Stephani 1906).
- *** *Gymnomitrium subintegrum* (S.W.Arnell) Váňa MLW(29), REU(1), RWA(2,2864), TAN(2785), UGA(2,1473).
- *** *Haplolejeunea cucullata* (Steph.) Grolle CMN(2).
- ** *Haplolejeunea sticta* Grolle Ⓣ MDG(1,720), REU(4).
Haplomitrium andinum (Spruce) R.M.Schust. 1963 = *Haplomitrium blumei* (Nees) R.M.Schust. 1963 (Bartholomew-Began 1991).
- *** *Haplomitrium blumei* (Nees) R.M.Schust. DRC(2), RWA(2,2864).
- *** *Haplomitrium gibbsiae* (Steph.) R.M.Schust. LES(75), UGA(115).
Harpalejeunea delessertii (Nees et Mont.) Steph. 1913 = *Lepidolejeunea delessertii* (Nees et Mont.) Grolle 1984 (Pippio 1986).
Harpalejeunea filicispis (Steph.) Mizut. 1973 = *Microlejeunea filicispis* (Steph.) Heinrichs, Schäf.-Verw., Pócs et S.Dong 2013 (Dong et al. 2013).
Harpalejeunea fischeri Tixier 1995 = *Microlejeunea fischeri* (Tixier) Heinrichs, Schäf.-Verw., Pócs & S.Dong 2013 (Dong et al. 2013).
Harpalejeunea punctata (Herzog) S.W.Arnell 1965. The specimen cited by S.W.Arnell (1965) from Mauritius belongs to *Lepidolejeunea delessertii* (Grolle 1995).
Harpalejeunea riddleana (Steph.) Mizut. 1973 = *Harpalejeunea filicispis* (Steph.) Mizut. 1973 (Grolle 1979c) = *Microlejeunea filicispis* (Steph.) Heinrichs, Schäf.-Verw., Pócs et S.Dong 2013 (Dong et al. 2013).
Harpalejeunea solitaria (Gottsche) Steph. 1913. Reported from Madagascar, as *Lejeunea soliaria* Gottsche (Gottsche (1882), but its taxonomic position is uncertain (Grolle 1995).
Herbertus capensis (Steph.) Sim 1926 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
Herbertus capillaris Steph. 1892 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- *** *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. BIO(1778), CMN(2,2161), COM(1,2161), DRC(2,2161), ETH(2), KEN(2,71,2161), LBR(2161), MDG(1,4,2161), MLW(2,2161), PRI(2684), REU(1,2129,2161), RWA(2,2161,2864), SAF(2,75,2161), SAO(2,2161,2684), TAN(2,2161), UGA(2,50,96,2161), ZIM(2859).

- Herbertus doggeltianus* (Steph.) Demaret 1942 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Herbertus grossevittatus* (Steph.) S.W.Arnell ex Grolle [1965] = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Herbertus juniperinus* Trevis. 1877 = *Herbertus juniperoideus* (Sw.) Grolle 1961 (Grolle 1995).
- *** ***Herbertus juniperoideus*** (Sw.) Grolle CMN(2161), MDG(1,720,2161), RWA(2161,2864), SEY(1,4,2161), TAN(2161).
- Herbertus leiocladius* (Taylor) Kuntze 1891 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Inoue 1971).
- Herbertus lobatus* (Steph.) Demaret 1942 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Herbertus mascarenicus* (Steph.) S.W.Arnell ex Váňa, in Váňa, Pócs et De Sloover 1979 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- ** ***Herbertus mauritanus*** N.G.Hodgetts Ⓢ MAU(2161), REU(2161,2360).
- Herbertus mollis* (Steph.) Dusén 1893 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Herbertus ochroleucus* (Spreng.) Schiffn. 1898 = *Lepicolea ochroleuca* (Spreng.) Spruce 1885 (Scott 1960).
- ** ***Herbertus pocsii*** N.G.Hodgetts Ⓢ TAN(2161).
- Herbertus seriatus* (Steph.) S.W.Arnell 1965, nom. inval. = *Herbertus juniperoideus* (Sw.) Grolle 1961 (Grolle 1978, Hodgetts 2008).
- *** ***Herbertus sendtneri*** (Nees) Lindb. TAN(3069). The occurrence of this taxon in Africa is not accepted by other specialists, and contradicts current molecular studies of the species (pers. comm. N.G.Hodgetts, January 2018).
- ** ***Herbertus spicatus*** N.G.Hodgetts Ⓢ TAN(2161).
- Herbertus stuhlmannii* (Steph.) Demaret 1942 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Herbertus subdentatus* auct. [non (Steph.) Fulford] = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2003, 2008).
- Herpetium integrum* Nees et Mont. 1843 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Schuster 1969a, Grolle 1995).
- Heteroscyphus argutus* (Reinw., Nees et Blume) Schiffn. 1910. Grolle (1995) considered the report from Mauritius (Gottsche 1845) probably refers to *Heteroscyphus dubius* (Gottsche) Schiffn.
- Heteroscyphus decurrens* (Reinw., Blume et Nees) Schiffn. 1910 = *Heteroscyphus splendens* (Lehm. et Lindeb.) Grolle 1984 (Grolle & Piippo 1984).
- ** ***Heteroscyphus dubius*** (Gottsche) Schiffn. Ⓢ BIO(1778), CAF(2), CMN(2), DRC(2), GAB(2396), GHA(2,165,3013), IVO(2), KEN(731), MAU(1,2170), MDG(1), MLW(2,29), NGA(2), PRI(2), REU(1), RIM(10), ROD(1), SAF(2), SEY(1,13), SIE(2), TAN(2), TOG(101), UGA(50,115). The record from British Togoland published in Jones (1953c) was erroneously listed in (2) under Togo. The site is in Ghana.
- Heteroscyphus fasciculatus* (Nees) Schiffn. 1910 = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Grolle 1960a, Engel 1980).
- ** ***Heteroscyphus grandistipus*** (Steph.) Schiffn. Ⓢ REU(1). Known only from the type.
- * ***Heteroscyphus grandistipus*** subsp. ***henkelii*** (Sim) Grolle Ⓢ ZIM(2).
- Heteroscyphus hamatistipulus* (Steph.) Schiffn. 1910 = *Chiloscyphus hamatistipulus* Steph. 1907 = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Heteroscyphus loangensis* (Steph.) Schiffn. 1910 = *Chiloscyphus loangensis* Steph. 1893 (Váňa 1993) probably = *Chiloscyphus dubius* Gottsche 1882 (Jones 1953c) = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Grolle 1995).
- Heteroscyphus lucidus* (Spreng. ex Lehm.) Schiffn. 1910 = *Lophocolea lucida* (Spreng.) Mont. 1839 (Grolle 1959).
- Heteroscyphus rabenhorstii* (Steph.) Schiffn. 1910 = *Lophocolea fasciculata* (Nees) S.W.Arnell et Grolle in Grolle 1959 (Grolle 1959) = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Engel 1980).
- ** ***Heteroscyphus spectabilis*** (Steph.) Schiffn. Ⓢ CMN(2), PRI(2750), SAO(2).
- *** ***Heteroscyphus splendens*** (Lehm. et Lindenb.) Grolle MAU(1,2170), MDG(4,720), REU(1), SEY(1), TAN(2).
- Homalolejeunea acutiloba* (Hook.f. et Taylor) Steph. 1890 = *Phragmicomia acutiloba* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847 = *Marchesinia brachiata* (Sw.) Schiffn. 1893 (Geissler & Gradstein 1994).
- Homalolejeunea excavata* (Mitt.) Steph. 1891 = *Marchesinia excavata* (Mitt.) Schiffn. 1893 (Vanden Berghe 1948d).
- Homalolejeunea henriquesii* Steph. 1888 = *Marchesinia excavata* (Mitt.) Schiffn. 1893 (Vanden Berghe 1948d).

- ** *Hyalolepidozia bicuspidata* (C.Massal.) S.W.Arnell ex Grolle SAF(2,504). Following the redefinition of *Hyalolepidozia*, South African records of *H. bicuspidata* were provisionally reassigned by Schuster (504) to *Paracromastigum tristanianum*. However, since its taxonomic position is not settled, the taxon is retained under *H. bicuspidata* in this checklist.
- Hygrolejeunea acuta* (Mitt.) Vanden Berghen 1961 = *Lejeunea acuta* Mitt. 1863 (Grolle 1995).
- Hygrolejeunea alata* (Gottsche) Steph. 1914 = *Lejeunea alata* Gottsche 1845 (Grolle 1977).
- Hygrolejeunea breutelianiana* Steph. 1914 = *Lejeunea eckloniana* Lindenb. 1845 (Grolle 1979b).
- Hygrolejeunea cordigera* Steph. 1896 = *Cheilolejeunea cordigera* (Steph.) Grolle 1977 (Grolle 1977).
- Hygrolejeunea dismieri* Steph. 1913 = *Dicranolejeunea madagascariensis* Steph. 1912 (Grolle 1977) = *Acanthocoleus madagascariensis* (Steph.) Kruyt 1988 (Kruyt 1988).
- Hygrolejeunea grossecristata* Steph. 1896 = *Lejeunea grossecristata* (Steph.) E.W.Jones 1968 (Jones 1968a).
- Hygrolejeunea leucosis* (Besch. et Spruce) Steph. 1914 = *Lejeunea leucosis* Besch. et Spruce 1890 (Grolle 1995).
- Hygrolejeunea lyratiflora* (Prantl) Steph. 1914 = *Lejeunea lyratiflora* Prantl 1892 (e.g. Vanden Berghen 1972a).
- Hygrolejeunea papilionacea* (Prantl) Steph. 1914 = *Lejeunea papilionacea* Prantl 1892 (Jones 1972, Zhu & Grolle 2001).
- Hygrolejeunea parva* Steph. 1914 = *Lejeunea eckloniana* Lindenb. 1845 (Grolle 1979b).
- * *Hygrolejeunea patellirostris* Steph. ⑩ Known only from the type from São Tomé (Stephani 1896). *H. patellirostris* was treated as synonymous with *Lejeunea acuta* Mitt. in Tixier (1995). However, E.W.Jones (in litt.) had previously commented that, although a specimen under the name *H. patellirostris* in Hb. Stephani (G) is *L. acuta*, it is not the type [Moller 51, p.p.], "nor does it agree well with the description of the type".
- Hygrolejeunea pterota* (Hook.f. et Taylor) Steph. 1914 = *Cheilolejeunea ascensionis* (Hook.f. et Taylor) Grolle 1988 (Grolle 1988).
- Hygrolejeunea pulcherrima* (Steph.) Besch. 1893 = *Lejeunea acuta* Mitt. 1863 (Vanden Berghen 1961).
- * *Hygrolejeunea staudtiana* Steph. Reported from Cameroon (Stephani 1914), Bioko (Arnell 1956b) and Uganda (Arnell 1957a). E.W.Jones, in Wigginton (2004) considered this taxon probably either *Lejeunea brenanii* E.W.Jones or *L. isophylla* E.W.Jones.
- Hypenantron abyssinicum* (Gottsche) Kuntze 1891 = *Asterella abyssinica* (Gottsche) Grolle 1972 (Perold 1998b).
- Hypenantron gondarensense* (Gola) Cufod. 1952 = *Fimbraria gondarensis* Gola 1914 (Cufodontis 1952) = *Asterella pappii* (Gola) Grolle 1976 (Frey & Kürschner 1988).
- Hypenantron incrassatum* (Steph.) Cufod. 1952 = *Fimbraria incrassata* Steph. 1899 (Cufodontis 1952).
- Hypenantron pappii* (Gola) Cufod. 1952 = *Asterella pappii* (Gola) Grolle 1976 (Cufodontis 1952, Grolle 1976b).
- Hypenantron pirottae* (Gola) Cufod. 1952 = *Fimbraria pirottae* Gola 1914 (Cufodontis 1952).
- Inflatolejeunea capensis* S.W.Arnell 1953 = *Lejeunea capensis* Gottsche 1845 (Arnell 1963).
- Inflatolejeunea ecarinata* (Steph.) S.W.Arnell 1961 = *Lejeunea ecarinata* (Steph.) J.M.Coult., Barnes et Arthur. 1890 (Jones 1967).
- Inflatolejeunea epilicata* (Steph.) S.W.Arnell 1961 = *Lejeunea epilicata* Steph. 1915 (Jones 1967) = *Lejeunea ramosissima* Steph. 1886 (Jones & Harrington 1983).
- *** *Isopaches decolorans* (Limpr.) H.Buch BIO(1718), CMN(2), DRC(2), TAN(2), UGA(776,1426).
- Isotachis aspera* Steph. 1911 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Isotachis aspera* var. *transvaalensis* S.W.Arnell 1963, nom. inval. = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- *** *Isotachis aubertii* (Schwägr.) Mitt. ASC(2,3065), BUR(2), CMN(2), DRC(2), KEN(2), MAU(1,2170), MDG(1,720), MLW(114), REU(1,4), ROD(1), RWA(2,2864), SAF(2), TAN(2), UGA(2), ZIM(2).
- Isotachis capensis* Herzog 1952 = *Lophocolea fasciculata* (Nees) S.W.Arnell et Grolle in Grolle 1959 (Grolle 1959) = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Engel 1980).
- Isotachis conistipula* Steph. 1911 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Isotachis gordoni* Steph. 1895 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Hatcher 1960-61).
- Isotachis perfoliata* Steph. 1886 = *Heteroscyphus spectabilis* (Steph.) Schiffn. 1910 (Váňa 1982).
- Isotachis renistipula* Steph. 1911 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Isotachis rutenbergii* Gottsche 1882 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Isotachis serrulata* (Sw.) Gottsche 1864. The record from Mauritius (Gottsche 1845) of this neotropical species is treated as erroneous (Grolle 1995).
- Isotachis uncinata* (F.Weber) Gottsche 1864 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Iwatsukia jishibae* (Steph.) N.Kitag. 1965 = *Odonotoschima jishibae* (Steph.) Váňa et L. Söderstr. 2013 (Váňa et al 2013e).
- Jamesoniella aspera* Steph. 1917 = *Gongylanthus ericetorum* (Raddi) Nees 1836 (Grolle 1971).

- Jamesoniella colorata* (Lehm.) Schiffn. 1893 = *Syzygiella colorata* (Lehm.) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg *et al.* 2010).
- Jamesoniella contracta* (Reinw., Blume et Nees) N.Kitag. 1981 = *Cuspidatula contracta* (Reinw., Blume et Nees) Steph. 1901 (Grolle 1971).
- Jamesoniella grandiflora* (Lindenb. et Gottsche) Steph. 1901 = *Cryptochila grandiflora* (Lindenb. et Gottsche) Grolle 1971 (Grolle 1971) = *Syzygiella sonderi* (Gottscche) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg *et al.* 2010).
- Jamesoniella oenops* (Lindenb. et Gottsche) Steph. 1901 = *Syzygiella oenops* (Lindenb. et Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs (Feldberg *et al.* 2010).
- Jamesoniella purpurascens* Steph. 1891 = *Syzygiella purpurascens* (Steph.) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg *et al.* 2010).
- Jamesoniella rehmannii* (Steph.) Steph 1901 = *Jamesoniella purpurascens* Steph. 1891 (Grolle 1971) = *Syzygiella purpurascens* (Steph.) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg *et al.* 2010).
- Jamesoniella seychellarum* Steph. 1917 = *Cuspidatula contracta* (Reinw., Blume et Nees) Steph. (Grolle 1971).
- *** ***Jensenia spinosa*** (Lindenb. et Gottsche) Grolle BIO(1718), DRC(2), KEN(2,71,665,759), MAU(1), MDG(3080), MLW(2,29), REU(1), RWA(2,2864), SAF(2,955), STH(2,2895), TAN(2), UGA(50).
- Jubula cambouena* Steph. 1924 = *Jubula tonkinensis* Steph. 1908 (Verdoorn 1930).
- Jubula hutchinsiae* subsp. *javanica* (Steph.) Verd. 1928. Excluded from the African flora (Grolle 1995).
- Jubula javanica* Steph. 1911 = *Jubula hutchinsiae* subsp. *javanica* (Steph.) Verd. 1928 (Grolle 1995).
- Jubula tonkinensis* Steph. 1908. Known only from Viet Nam, and excluded from the African flora (see discussion in Grolle 1995).
- Jungermannia aberrans* Nees et Mont. 1843 = *Andrewsianthus aberrans* (Nees et Mont.) Grolle 1963 (Grolle 1963b).
- Jungermannia abyssinica* Nees 1844 = *Solenostoma abyssinicum* (Nees) Steph. 1901 (Váňa 1974a, Schuster 2002a).
- Jungermannia acutiloba* Hook.f. et Taylor 1845 = *Phragmicoma acutiloba* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847 (Geissler & Bischler 1989) = *Marchesinia brachiata* (Sw.) Schiffn. 1893 (Geissler & Gradstein 1994).
- Jungermannia adnexa* Lehm. 1832 = *Bazzania adnexa* (Lehm.) Trevis. 1877.
- Jungermannia alata* Lehm. 1829 = *Schistochila alata* (Lehm.) Schiffn. 1893 (Jones 1976a).
- Jungermannia anisodonta* Hook.f. et Taylor 1845 = *Tylimanthus anisodontus* (Hook.f. et Taylor) Mitt. 1875 (Grolle & Persson 1966) = *Acrobolbus anisodontus* (Hook.f. et Taylor) Briscoe 2015 (Briscoe *et al.* 2015).
- Jungermannia apiculata* Reinw., Blume et Nees 1824 = *Frullania apiculata* (Reinw., Blume et Nees) Nees 1845 (Vanden Berghen 1976).
- Jungermannia arboris-vitae* With. 1776 = *Porella arboris-vitae* (With.) Grolle 1969 (Grolle 1969).
- Jungermannia arecae* Spreng. 1821 = *Frullania arecae* (Spreng.) Gottsche 1863 (Vanden Berghen 1976) = *Frullania obscura* (Sw.) Mont. 1840 (Gradstein 2012).
- Jungermannia arguta* Reinw., Blume et Nees 1824 = *Heteroscyphus argutus* (Reinw., Blume et Nees) Schiffn. 1910 (Grolle 1995).
- Jungermannia ascensionis* Hook.f. et Taylor 1845 = *Cheilolejeunea ascensionis* (Hook.f. et Taylor) Grolle 1988 (Grolle 1988).
- Jungermannia atrata* var. β *stricta* F.Weber 1815 = *Frullania serrata* Gottsche var. *serrata* 1845 (Vanden Berghen 1976).
- Jungermannia aubertii* Schwägr. 1814 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Jungermannia auriculata* Wilson 1841 = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Schuster 1980a) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Jungermannia aurita* Lehm. 1829 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1982).
- Jungermannia austroafricana* S.W.Arnell 1958 = *Solenostoma mildbraedii* (Steph.) R.M.Schust. 2002 (Váňa 1974a, Schuster 2002a).
- Jungermannia balfourii* Váňa 1974 = *Solenostoma balfourii* (Váňa) Váňa, Hentschel et Heinrichs 2010 (Váňa, Hentschel & Heinrichs, 2010).
- Jungermannia belangeriana* Lehm. et Lindenb. 1832 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Schiffner 1898, Grolle 1995).
- Jungermannia bergiana* Lehm. 1832 = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Engel 1980).
- Jungermannia biapiculata* Hook.f. et Taylor 1845 = *Anastrophyllum piligerum* (Nees) Steph. 1893 (Schiffner 1898, Váňa 1982).
- Jungermannia bicuspidata* L. 1753 = *Cephalozia bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
- Jungermannia bidentata* L. 1753 = *Lophocolea bidentata* (L.) Dumort. 1835 (Bischler 1970).
- Jungermannia bidentula* F.Weber 1815 = *Calypogeia bidentula* (F.Weber) Nees 1845 (Bischler 1970).
- Jungermannia borgenii* Gottsche 1894 = *Solenostoma borgenii* (Gottsche) Steph. 1901 (Váňa 1974a, Schuster 2002a).
- Jungermannia boryana* F.Weber 1815 = *Radula boryana* (F.Weber) Mont. 1842 (Grolle 2001).
- Jungermannia brasiliensis* Nees 1830, hom. illeg. [non Raddi 1822] = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).

- Jungermannia brunea* Spreng. 1827 = *Frullania brunea* (Spreng.) Drège 1845 "brunnea" (Vanden Berghen 1976).
- Jungermannia bursata* Desv. 1814, nom. illeg. = *Plagiochila bursata* Lindenb. 1840, nom. illeg. = *Plagiochila aerea* Taylor 1846 (Grolle & Heinrichs 1999).
- Jungermannia byssophora* Lehm. et Lindenb. 1832 = *Pallavicinia lyellii* (Hook.) Gray 1821 (Grolle & Piippo 1986).
- Jungermannia calyptrifolia* Hook. 1816 = *Colura calyptrifolia* (Hook.) Dumort. 1835 (Jovet-Ast 1954).
- Jungermannia campylodonta* Hook.f. et Taylor 1845 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Mitten 1864, Grolle 1972) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).
- Jungermannia capillaris* Sw. 1788 = *Kurzia capillaris* (Sw.) Grolle 1964 (Pócs 1984a).
- Jungermannia chrysophylla* Lehm. 1835 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).
- Jungermannia colorata* Lehm. 1829 = *Jamesoniella colorata* (Lehm.) Schiffn. 1893 (Grolle 1971) = *Syzygiella colorata* (Lehm.) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg *et al.* 2010).
- Jungermannia concreta* Gottsche 1863 = *Syzygiella concreta* (Gottsche) Spruce 1876 (Váňa 1985).
- Jungermannia congesta* Lehm. 1829 = *Lethocolea congesta* (Lehm.) S.W.Arnell 1955 (Grolle 1965b).
- Jungermannia connata* Sw. 1788 = *Lophocolea connata* (Sw.) Mont. et Nees 1839 (Grolle 1995).
- Jungermannia contigua* Nees 1833 = *Pycnojeunea contigua* (Nees) Grolle 1979 (He 1999).
- Jungermannia contracta* Reinw., Blume et Nees 1824 = *Cuspidatula contracta* (Reinw., Blume et Nees) Steph. 1901 (Grolle 1971).
- Jungermannia convexa* Thunb. 1800, hom. illeg. [non Scop. 1772] = *Bazzania nitida* (F.Weber) Grolle 1960 (Grolle 1960b).
- Jungermannia convoluta* Hook.f. et Taylor 1845, hom. illeg. [non Huebener 1834] = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).
- Jungermannia cordistipula* var. *pertenuis* Nees 1830 = *Frullania serrata* var. *pertenuis* (Nees) Gottsche 1845 (Vanden Berghen 1976).
- Jungermannia cornuta* Lindenb. 1829 = *Ceratolejeunea cornuta* (Lindenb.) Steph. 1895 (Grolle 1995).
- Jungermannia crispa* Spreng. in Gottsche, Lindenb. et Nees 1846 = *Fossombronia crispa* Nees 1846 (Perold 1997e).
- Jungermannia cucullata* Reinw., Blume et Nees 1824 = *Metalejeunea cucullata* (Reinw., Blume et Nees) Grolle 1995 (Grolle 1995).
- Jungermannia cuneata* Lehm. et Lindenb. 1832 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
- Jungermannia cuspiduligera* Nees 1833 = *Scapania cuspiduligera* (Nees) Müll.Frib. 1915 (Grolle 1976b).
- Jungermannia decipiens* Hook. 1813 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Grolle 1972) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).
- Jungermannia decolorans* Limpr. 1880 = *Lophozia decolorans* (Limpr.) Steph. 1902 (Váňa 1982) = *Isopachies decolorans* (Limpr.) H.Buch 1932 (Konstantinova *et al.* 1992).
- Jungermannia decrescens* Lehm. et Lindenb. 1832 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Jones 1975).
- Jungermannia decurrents* Reinw., Blume et Nees 1824, hom. illeg. [non Desv. 1818] = *Heteroscyphus splendens* (Lehm. et Lindenb.) Grolle (Grolle & Piippo 1984).
- Jungermannia diacantha* Mont. 1856 = *Arachniopsis diacantha* (Mont.) M.Howe 1902 (Grolle 1995).
- Jungermannia dichotoma* var. Nees 1831 = *Plagiochila pectinata* Lindenb. 1839 (Gottsche *et al.* 1845).
- Jungermannia dichotoma* var. β Gottsche, Lindenb. et Nees 1844 = *Plagiochila pectinata* Willd. et F.Weber ex Lindenb. 1839 (Gottsche *et al.* 1845).
- Jungermannia dichotoma* var. γ Nees 1831 = *Plagiochila paucidentata* Mont. et Gottsche 1856 (Gottsche *et al.* 1844).
- Jungermannia diclados* Brid. ex F.Weber 1815 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Vanden Berghen 1973).
- Jungermannia diptera* Lehm. 1835 = *Frullania diptera* (Lehm.) Drège 1843 (Vanden Berghen 1976).
- Jungermannia dusenii* (Steph.) Steph. 1901 = *Solenostoma dusenii* (Steph.) Váňa, Hentschel et Heinrichs 2010 (Váňa, Hentschel & Heinrichs 2010).
- Jungermannia dominicensis* Spruce 1895 = *Kymatocalyx dominicensis* (Spruce) Váňa 1970 (Gradstein & Váňa 1999).
- Jungermannia ecklonii* Spreng. 1827 = *Frullania ecklonii* (Spreng.) Gottsche, Lindenb. et Nees 1845 (Yuza-wa 1991).
- Jungermannia elliptica* Lehm. 1833 = *Leptolejeunea elliptica* (Lehm. et Lindenb.) Besch. 1892 (Schuster 1980a).
- Jungermannia elongata* Lehm. 1835 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
- Jungermannia emarginata* Ehrh. 1784 = *Marsupella emarginata* (Ehrh.) Dumort. 1835 (Grolle 1976b).
- Jungermannia ericoides* Nees 1833 = *Frullania ericoides* (Nees) Mont. 1839 (Vanden Berghen 1976).
- Jungermannia exigua* Taylor 1844 = *Plagiochila exigua* (Taylor) Taylor 1846 (Grolle 1995).
- Jungermannia expansa* Lehm. 1829 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
- Jungermannia exsecta* Schmidel 1797 = *Tritomaria exsecta* (Schmidel) Schiffn. ex Loeske 1909 (Grolle 1976b).
- Jungermannia fasciculata* Nees 1820 = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Grolle 1960a, Engel 1980).

- Jungermannia fastigiata* Lehm. 1829 = *Riccardia fastigiata* (Lehm.) Trevis. 1877 (Meenks & Pócs 1985).
Jungermannia filicina Sw. 1788 = *Bryopteris filicina* (Sw.) Nees 1845 (Grolle 1995).
Jungermannia filiformis Sw. 1788 = *Omphalanthus filiformis* (Sw.) Nees 1845 (Grolle 1995).
Jungermannia flava Sw. 1788 = *Lejeunea flava* (Sw.) Nees 1838 (Jones 1968a).
Jungermannia flexuosa Lehm. 1829 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
Jungermannia floccosa Lehm. et Lindenb. 1832 = *Cololejeunea floccosa* (Lehm. et Lindenb.) Schiffn. 1898 (Jones 1968b).
Jungermannia fragrans Moris et De Not. 1839 = *Lophocolea fragrans* (Moris et De Not.) Gottsche, Lindenb. et Nees 1845 (Grolle 1959).
Jungermannia fulvifolia Hook.f. et Taylor 1845 = *Radula fulvifolia* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 (Grolle 2001).
Jungermannia furcata L. 1753 = *Metzgeria furcata* (L.) Corda 1829 (So 2004).
Jungermannia fusca Lehm. 1829 = *Mnioloma fuscum* (Lehm.) R.M.Schust. 1995 (Schuster 1995a).
Jungermannia geminiflora Nees 1833 = *Omphalanthus filiformis* (Sw.) Nees 1845 (Stephani 1890b).
Jungermannia geminifolia Mitt. 1863 = *Syzygiella geminifolia* (Mitt.) Steph. 1902 (Váňa 1985) = *Syzygiella manca* (Mont.) Steph. 1893 (Gradstein 2013c).
Jungermannia gigantea F.Weber 1815 = *Pleurozia gigantea* (F.Weber) Lindb. 1874 (Thiers 1993).
Jungermannia gracilis Reinw., Blume et Nees 1824 = *Frullania gracilis* (Reinw., Blume et Nees) Gottsche, Lindenb. et Nees 1845 (Grolle 1995).
Jungermannia grandiflora Lindenb. et Gottsche 1847 = *Cryptochila grandiflora* (Lindenb. et Gottsche) Grolle 1971 (Grolle 1971) = *Syzygiella sonderi* (Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg et al. 2010).
Jungermannia heteromorpha Lehm. 1829 = *Alobiellopsis heteromorpha* (Lehm.) R.M.Schust. 1969 (Schuster 1969a).
Jungermannia hirtella F.Weber 1815 = *Plicanthus hirtellus* (F.Weber) R.M.Schust. 2003 (Schuster 2002b).
Jungermannia humistrata Hook.f. et Taylor 1845 = *Lophocolea humistrata* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847.
Jungermannia incerta Gottsche 1882, nom. dub. The fragmentary sterile type from Madagascar (Gottsche 1845) was apparently destroyed in B in 1943 (Grolle 1995).
Jungermannia jamesonii Mont. 1856 = *Andrewsianthus jamesonii* (Mont.) Váňa (Gradstein et al. 1983).
Jungermannia javanica Sw. 1781 = *Plagiochila javanica* (Sw.) Dumort. 1835 (Grolle 1995).
Jungermannia juniperina Sw. 1806 = *Herbertus juniperoides* (Sw.) Grolle 1961 (Hodgetts 2008).
Jungermannia juniperoides Sw. 1788 = *Herbertus juniperoides* (Sw.) Grolle 1961 (Hodgetts 2008).
Jungermannia juratzkana Limpr. 1876 = *Anthelia juratzkana* (Limpr.) Trevis. 1877 (Grolle 1976b).
Jungermannia kiaeri Austin 1875 = *Cephaloziella kiaeri* (Austin) Douin 1920 (Grolle 1995) = *Cylindrocolea kiaeri* (Austin) Váňa 2013 (Váňa et al. 2013d).
Jungermannia laevifolia Hook.f. et Taylor 1844 [non Lindb. 1892] = *Lepidozia laevifolia* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845.
Jungermannia laevigata Schrad. 1797 = *Porella arboris-vitae* (With.) Grolle 1969 (Grolle 1969).
Jungermannia leioclada Hook.f. et Taylor 1845 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Inoue 1971).
Jungermannia leucoxantha Lehm. 1829 = *Fossombronia leucoxantha* (Lehm.) Lehm. et Lindenb. 1845 (Perold 1999e).
Jungermannia limbata Hook.f. et Taylor 1845 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Evans 1915, Bischler 1978).
Jungermannia lindenbergiana Lehm. 1829 = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Grolle 1972).
Jungermannia lineata Lehm. et Lindenb. 1832 = *Cystolejeunea lineata* (Lehm. et Lindenb.) A.Evans 1906 (Grolle 1995).
Jungermannia longa Nees 1831 = *Bazzania longa* (Nees) Trevis. 1877 (Grolle 1995).
Jungermannia lucida Spreng. ex Lehm. 1833 = *Lophocolea lucida* (Spreng.) Mont. 1839 (Grolle 1959).
Jungermannia lunulata F.Weber 1815 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Teeuwen 1989).
Jungermannia lutescens Lehm. 1832 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1995).
Jungermannia lyelli Hook. 1816 = *Pallavicinia lyelli* (Hook.) Gray 1821 (Grolle & Piippo 1986).
Jungermannia macrocalyx Mont. 1843 = *Syzygiella macrocalyx* (Mont.) Spruce 1876 (Grolle 1995).
Jungermannia marginalis Hook.f. et Taylor 1845 = *Harpalejeunea marginalis* (Hook.f. et Taylor) Steph. 1913 (Grolle & Reiner-Drehwald 1999).
Jungermannia marginata Lehm. 1833 [non Ehrh. ex Hartman 1820] = *Cololejeunea marginata* (Lehm. et Lindenb.) Pearson 1892 (Grolle 1995).
Jungermannia mauritiana Nees 1831 = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Vanden Berghen 1981).
Jungermannia microphylla Hook. 1818 = *Lepidozia africana* Steph. 1922 (Pócs 1984a).
Jungermannia microscopica Taylor 1836 = *Aphanolejeunea microscopica* (Taylor) A.Evans 1911 (Pócs 1984c).
Jungermannia microscypha Hook.f. et Taylor 1845 = *Phragmicomia microscypha* (Hook.f. et Taylor) Mitt. 1875 (Geissler & Bischler 1989) = *Cheilolejeunea microscypha* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).

- Jungermannia mildbraedii* Steph. 1911 = *Solenostoma mildbraedii* (Steph.) R.M.Schust. 2002 (Schuster 2002a).
- Jungermannia minuta* Schreb. ex D.Crantz 1770 = *Anastrophyllum minutum* (Schreb.) R.M.Schust. 1949 (Schuster 1969b) = *Sphenolobus minutus* (Schreb. ex D.Crantz) Berggr. 1898 (Váňa et al. 2013c).
- Jungermannia minutissima* Sm. 1806 = *Cololejeunea minutissima* (Sm.) Steph. 1892 (Stephani 1892).
- Jungermannia mollis* Nees 1830 = *Lophocolea mollis* (Nees) Gottsche, Lindenb. et Nees 1845 (Grolle 1995).
- Jungermannia multifida* L. 1753 = *Riccardia multifida* (L.) Gray 1821 (Perold 2001e).
- Jungermannia multifida* var. *pinnatifida* F.Weber 1815 = *Riccardia pinnatifida* (F.Weber) Carruth. 1865 (Grolle 1995).
- Jungermannia muricata* Lehm. 1829 = *Lophocolea muricata* (Lehm.) Nees 1845 (Grolle 1959).
- Jungermannia nemoides* Hook.f. et Taylor 1845 = *Kurzia nemoides* (Hook.f. et Taylor) Grolle 1964 (Pócs 1984a).
- Jungermannia nitida* F.Weber 1815 = *Bazzania nitida* (F.Weber) Grolle 1960 (Grolle 1960b).
- Jungermannia nodulosa* Reinw., Nees et Blume 1824 = *Frullania nodulosa* (Reinw., Blume et Nees) Nees 1845 (Vanden Berghen 1976).
- Jungermannia obscura* Lehm. 1829, nom. illeg. [non Sw. 1806] = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
- Jungermannia obtusata* Hook.f. et Taylor 1845 = *Anastrophyllum subcomplicatum* (Lehm. et Lindenb.) Steph. 1893 (Váňa 1982) = *Anastrophyllopsis subcomplicata* (Lehm. et Lindenb.) Váňa et L.Söderstr. 2013 (Váňa et al. 2013c).
- Jungermannia ochroleuca* Spreng. 1827 = *Lepicolea ochroleuca* (Spreng.) Spruce 1884 (Arnell 1963).
- Jungermannia oenops* Lindenb. et Gottsche, in Gottsche, Lindenb. et Nees 1845 = *Syzygiella oenops* (Lindenb. et Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs (Feldberg et al. 2010).
- Jungermannia onraedtii* Váňa 1974 = *Solenostoma onraedtii* (Váňa) Váňa, Hentschel et Heinrichs 2010 (Váňa, Hentschel & Heinrichs 2010).
- Jungermannia pallens* Sw. 1788 = *Radula pallens* (Sw.) Nees et Mont. 1839 (Grolle 1995).
- Jungermannia palmata* Hedw. 1784 = *Riccardia palmata* (Hedw.) Carruth. 1865 (Grolle 1995).
- Jungermannia pearsonii* Spruce 1881 = *Sphenolobopsis pearsonii* (Spruce) R.M.Schust. 1972 (Schuster 1973).
- Jungermannia pectinata* Willd. ex F.Weber 1815, nom. inval. = *Plagiochila pectinata* Lindenb. 1839 (Jones 1962).
- Jungermannia pellucida* Meissn. ex Spreng. 1827 = *Diplasiolejeunea pellucida* (Meissn. ex Spreng.) Schiffn. 1893 (Grolle 1995).
- Jungermannia perloii* (Gola) Váňa 1973 = *Solenostoma perloii* Gola 1914 = *Solenostoma atrovirens* Steph. 1901 (Söderström et al. 2016).
- Jungermannia phyllorhiza* Nees 1833 = *Brachiolejeunea phyllorhiza* (Nees) Kruijt et Gradst. 1986 (Kruijt & Gradstein 1986).
- Jungermannia piligera* Nees 1824 = *Anastrophyllum piligerum* (Nees) Steph. 1893 (Váňa 1982).
- Jungermannia pinguis* L. 1753 = *Aneura pinguis* (L.) Dumort. 1831 (Meenks & Pócs 1985, Perold 2001d).
- Jungermannia pocsii* Váňa 1975 = *Solenostoma pocsii* (Váňa) Bakalin 2009 (Bakalin & Vilnet 2009).
- Jungermannia podophylla* Thunb. 1800 = *Symphyogyna podophylla* (Thunb.) Nees et Mont. 1846 (Grolle 1979a).
- Jungermannia polycarpa* Nees 1833 = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1974).
- Jungermannia praerupta* Reinw., Blume et Nees 1824 = *Bazzania praerupta* (Reinw., Blume et Nees) Trevis. 1877 (Grolle 1995).
- Jungermannia procumbens* Hook.f. et Taylor 1845 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).
- Jungermannia pterota* Hook.f. et Taylor 1845 = *Cheilolejeunea ascensionis* (Hook.f. et Taylor) Grolle 1988 (Grolle 1988).
- *** ***Jungermannia pumila*** With. LES(75), SAF(75), TAN(2), UGA(776,1472).
- Jungermannia purpurascens* (Steph.) Besch. 1895 = *Jamesoniella purpurascens* Steph. 1891 (Grolle 1971) = *Syzygiella purpurascens* (Steph.) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg et al. 2010).
- Jungermannia pusilla* L. 1753 = *Fossombronia pusilla* (L.) Nees 1838 (Grolle 1976b).
- Jungermannia refracta* Brid. ex Gottsche 1857, nom. inval. = *Plagiochila paucidentata* Mont. et Gottsche 1856 (Gottscche 1857).
- Jungermannia rehmannii* Steph. 1892 = *Jamesoniella purpurascens* (Steph.) Steph. 1901 (Grolle 1971) = *Syzygiella purpurascens* (Steph.) K.Feldberg, Váňa, Hentschel et Heinrichs 2010 (Feldberg et al. 2010).
- Jungermannia renauldii* Steph. 1891 = *Solenostoma renauldii* (Steph.) Váňa, Hentschel et Heinrichs 2010 (Váňa, Hentschel & Heinrichs 2010).
- Jungermannia repanda* Schwägr. 1814 = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Vanden Berghen 1981).
- Jungermannia reptans* L. 1753 = *Lepidozia reptans* (L.) Dumort. 1835 (Grolle 1976b).
- Jungermannia rotalis* Hook.f. et Taylor 1845 = *Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et P.Geissler 1997 (Gradstein & Geissler 1997) = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
- Jungermannia rotundistipula* Lindenb. ex Lehm. 1829 = *Leucolejeunea rotundistipula* (Lindenb. ex Lehm.) A.Evans 1907 (Arnell 1953b) = *Cheilolejeunea rotundistipula* (Lindenb. ex Lehm.) Malombe 2009

- (Malombe 2009).
- Jungermannia sarmentosa* Lehm. et Lindenb. 1835 = *Plagiochila sarmentosa* (Lehm. et Lindenb.) Lindenb. 1844 (Jones 1962).
- Jungermannia scariosa* Lehm. 1829 = *Gongylanthus scariosus* (Lehm.) Steph. 1906 (Stephani 1906).
- Jungermannia schizopleura* Spruce 1885 = *Gottschelia schizopleura* (Spruce) Grolle 1968 (Grolle 1968a).
- Jungermannia semiteres* Lehm. 1829 = *Lophocolea semiteres* (Lehm.) Mitt. 1877 (Grolle 1959).
- Jungermannia serrulata* Sw. 1788 = *Isotachis serrulata* (Sw.) Gottsche 1864 (Grolle 1995).
- Jungermannia simplex* Sw. 1788 = *Plagiochila simplex* (Sw.) Lindenb. 1840 (Grolle 1995).
- Jungermannia spathulistipa* Reinw., Blume et Nees 1824 = *Thysananthus spathulistipus* (Reinw., Blume et Nees) Lindenb. 1845 (Verdoorn 1934).
- Jungermannia sphaerocarpa* Hook. 1815 = *Solenostoma sphaerocarpum* (Hook.) Steph. 1901 (Váňa 1974b, Hentschel, Paton et al. 2007).
- Jungermannia sphaerophora* Lehm. et Lindenb. 1833 = *Lopholejeunea sphaerophora* (Lehm. et Lindenb.,) Steph. 1912 (Vanden Berghen 1984a).
- Jungermannia sphagnoides* Schwägr. 1814 = *Schistochila sphagnoides* (Schwägr.) Steph. 1909 (Jones 1976a) = *Gottschaea sphagnoides* (Schwägr.) Lindb. 1870 (Grolle & Zijlstra 1984).
- Jungermannia sphagnoides sensu* Richard ex Hook. 1818, hom. illeg. [non Schwägr. 1814] = *Pleurozia gigantea* (F.Weber) Lindb. 1874 (Thiers 1993).
- Jungermannia splendens* Lehm. et Lindenb. 1832 = *Heteroscyphus splendens* (Lehm. et Lindenb.) Grolle 1984 (Grolle & Piippo 1984).
- Jungermannia squarrosa* Reinw., Blume et Nees 1824, hom. illeg. [non Menzies ex Hook. 1818] = *Frullania ericoides* (Nees) Mont. 1839 (Grolle 1968b, Vanden Berghen 1976).
- Jungermannia stolonifera* (Steph.) Steph. 1901, hom. illeg. [non Sw. 1788] = *Solenostoma borgenii* (Gottsche) Steph. 1901 (Váňa 1974a. Schuster 2002a).
- Jungermannia subaequifolia* Nees et Mont. 1844 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Inoue 1971).
- Jungermannia subcomplicata* Lehm. et Lindenb. 1838 = *Anastrophyllum subcomplicatum* (Lehm. et Lindenb.) Steph. 1901 (Váňa 1982) = *Anastrophyllopsis subcomplicata* (Lehm. et Lindenb.) Váňa et L.Söderstr. 2013 (Váňa et al. 2013c).
- Jungermannia subfusca* Nees 1830 = *Lopholejeunea subfusca* (Nees) Schiffn. 1897 (Vanden Berghen 1984a).
- Jungermannia subintegerrima* Reinw., Blume et Nees 1824 = *Syzygiella subintegerrima* (Reinw., Blume et Nees) Spruce 1895 (Grolle 1995).
- Jungermannia subintegra* Hook.f. et Taylor 1845 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Grolle 1960a, Engel 1980).
- Jungermannia subtilissima* (Schiffn.) Grolle 1964. A record from the Cape Verde Islands (Muhle 1982) is based on a misidentification (Frahm et al. 1996).
- Jungermannia superba* Nees ex Spreng. 1827 = *Plagiochila superba* (Nees ex Spreng.) Mont. et Nees 1839.
- Jungermannia tabularis* Spreng. 1827 = *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell 1963 (Jones 1968a).
- Jungermannia tamarisci* L. 1753 = *Frullania tamarisci* (L.) Dumort. 1835 (Vanden Berghen 1976).
- Jungermannia tenuis* Reinw., Blume et Nees 1824, hom. illeg. [non Ehrh. 1789] = *Drepanolejeunea angustifolia* (Mitt.) Grolle 1965 (Grolle 1995).
- Jungermannia tenuissima* Lehm. 1829 = *Cephaloziella tenuissima* (Lehm.) Steph. 1893 (Arnell 1952).
- Jungermannia thouarsii* Hook. 1818 = *Gottschaea sphagnoides* (Schwägr.) Lindb. 1870 (Grolle & Zijlstra 1984).
- Jungermannia tortuosa* Lehm. 1832 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Vanden Berghen 1952).
- Jungermannia trichophylla* L. 1753 = *Blepharostoma trichophyllum* (L.) Dumort. 1835 (Schuster 1966a).
- Jungermannia trifaria* Reinw., Blume et Nees 1824 = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Mizutani 1964).
- Jungermannia trinervis* Lehm. 1835 = *Frullania trinervis* (Lehm.) Drège 1843 (Vanden Berghen 1976).
- Jungermannia trinitensis* Lehm. et Lindenb. 1833 = *Bryopteris filicina* (Sw.) Nees 1845 (Gradstein 1994).
- Jungermannia tuberculata* Lehm. 1835 = *Frullania ericoides* (Nees) Mont. 1839 (Vanden Berghen 1976).
- Jungermannia ulicina* Taylor 1841 = *Microlejeunea ulicina* (Taylor) A.Evans 1902 (Bonner 1976).
- Jungermannia ulothrix* Schwägr. 1814 = *Lepidozia ulothrix* (Schwägr.) Lindenb. 1845 (Pócs 1984a).
- Jungermannia unciformis* Hook.f. et Taylor 1844 = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Grolle 1972).
- Jungermannia uncinata* F.Weber 1815 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).
- Jungermannia vallis-gratiae* Gottsche ex Steph. 1908 = *Cephalozia bicuspidata* (L.) Dumort. 1835 (Váňa 1988).
- Jungermannia vermicularis* Lehm. 1829 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
- Jungermannia verrucosa* (Steph.) Steph. 1901 = *Jungermannia dusenii* (Steph.) Steph. 1901 (Váňa 1974a).
- Jungermannia vitrea* Nees 1830 = *Leptolejeunea vitrea* (Nees) Schiffn. 1893 (Bonner 1976).
- Jungermannia volvensii* Steph. 1917 = *Solenostoma borgenii* (Gottsche) Steph. 1901 (Váňa 1974a, Schuster 2002a).
- Jungermannia wondraczekii* Corda in Sturm 1830 = *Fossombronia wondraczekii* (Corda) Dumort. ex Lindb. 1873 (Grolle 1976b).

- Jungermannia xanthocarpa* Lehm. 1833 = *Leucolejeunea xanthocarpa* (Lehm. et Lindenb.) A.Evans 1907
 (Schuster 1980a) = *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe 2009 (Malombe 2009).
- Kantius bidentulus* (F.Weber) Trevis. 1877 [*Kantia auct.*] = *Calypogeia bidentula* (F.Weber) Nees 1845 (Bischler 1970).
- Kantius heteromorphus* (Lehm.) Steph. 1888 [*Kantia auct.*] = *Jungermannia heteromorpha* Lehm. 1829
 (Bonner 1978) = *Alobiellopsis heteromorpha* (Lehm.) R.M.Schust. 1969 (Schuster 1969a).
- Kantius microstipulus* Steph. 1895 [*Kantia auct.*] = *Calypogeia microstipula* (Steph.) Steph. 1908 (Bischler 1970).
- Kantius muelleriana* Schiffn. 1900 [*Kantia auct.*] = *Calypogeia muelleriana* (Schiffn.) Müll.Frib. 1908
 (Grolle 1976b).
- *** *Kurzia capillaris* (Sw.) Grolle subsp. *capillaris* MAU(2170), MDG(4,720), MLW(2,92),
 RWA(2,2864), SAF(2), SEY(4), TAN(2), ZIM(2859).
- *** *Kurzia capillaris* subsp. *capillaris* var. *verrucosa* (Steph.) Pócs TAN(2).
- *** *Kurzia capillaris* subsp. *stephani* (Renauld ex Steph.) Pócs ④ MAU(1,2170), MDG(1,4,720),
 MLW(2), REU(1,4), TAN(2).
- ** *Kurzia irregularis* (Steph.) Grolle ④ DRC(2), KEN(759), RWA(2,2864), TAN(2), UGA(2).
 The report from South Africa (Arnell 1957a) is treated as erroneous; the species is not mentioned in his later flora (Arnell 1963). See also Pócs (1984a).
- ** *Kurzia nemoides* (Hook.f. et Taylor) Grolle ④ STH(2,49,2349,2895).
Kurzia stephani (Renauld ex Steph.) Grolle 1964 = *Kurzia capillaris* subsp. *stephani* (Renauld ex Steph.) Pócs 1984 (Pócs 1984a).
Kurzia tabularis (Steph.) Grolle 1964 = *Kurzia capillaris* (Sw.) Grolle 1964 (Pócs 1984a).
- *** *Kymatocalyx africanus* Váňa et Wigginton ④ MLW(74), TAN(74).
- *** *Kymatocalyx dominicensis* (Spruce) Váňa MDG(74), UGA(776).
- *** *Kymatocalyx madagascariensis* (Steph.) Gradst. et Váňa ④ COM(4,74), MAU(1,4,74,2170),
 MDG(1,4,74,720), REU(1,4,74), TAN(2).
- *** *Kymatocalyx rhizomatica* (Herzog) Gradst. et Váňa MDG(720).
Leioscyphus borbonicus Steph. 1892 = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones 1963 (Grolle 1963a).
Leioscyphus gottscheanus (Lindenb. ex Lehm.) Steph. 1906 = *Leptoscyphus expansus* (Lehm.) Grolle 1963
 (Grolle 1963a, Arnell 1955).
Leioscyphus infuscatus Mitt. 1886 = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones ex Grolle 1963 (Grolle 1963a).
Leioscyphus iversenii Pearson 1887 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
Leioscyphus motleyi Mitt. 1886 = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones 1963 (Grolle 1963a).
Leioscyphus repens Mitt. 1863, hom. illeg. [non Mitt. in Hooker 1854] = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones ex Grolle 1963 (Grolle 1963a).
Lejeunea aberrans Lindenb. et Gottsche 1845 = *Acanthocoleus aberrans* (Lindenb. et Gottsche) Kruijt 1988
 (Kruijt 1988).
Lejeunea abbreviata Mitt. 1863 = *Archilejeunea abbreviata* (Mitt.) Vanden Berghe 1951 (Vanden Berghe 1951c) = *Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015b).
Lejeunea abnormis (Gottsche) Steph. 1891 [non (Herzog) R.M.Schust. 1962] = *Phragmicomma abnormis* Gottsche 1882 (Grolle 1995) = *Acrolejeunea abnormis* (Gottsche) Pearson 1892 (Grolle 1995).
Lejeunea abortiva Mitt. 1879 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
- *** *Lejeunea abyssinica* (Gola) Cufod. ④ ANG(2848), BIO(1778), CAF(2), CMN(2), COM(1),
 DRC(2,130), ETH(2), GAB(2), GHA(2,3013), KEN(2), MDG(720), MLW(563), NGA(2),
 PRI(2750), RIM(10), RWA(130,2864), SAO(2750), SEY(1), SIE(2), TAN(2), UGA(50,96).
- ** *Lejeunea acuta* Mitt. ④ ANN(2,33), BIO(2,33,72,1778), BUR(2), CMN(2), COM(1),
 DRC(130,667), KEN(2,731), RIM(10), RWA(2,130,2864), SAO(2,2684), TAN(2),
 UGA(50).
Lejeunea acutiloba (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 = *Phragmicomma acutiloba* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847 = *Marchesinia brachiata* (Sw.) Schiffn. 1893 (Geissler & Gradstein 1994).
Lejeunea adhaesiva Mitt. 1886 = *Cololejeunea adhaesiva* (Mitt.) R.M.Schust. 1963 (Perold 2001e, Schuster 1963).
- *** *Lejeunea aethiopica* E.W.Jones ETH(2,2345), REU(2360).
Lejeunea africana (Steph.) Steph. 1891 = *Microlejeunea africana* Steph. 1888 (Bonner 1978).
Lejeunea alata (Steph.) Steph. 1893, hom. illeg. [non Gottsche 1845] = *Archilejeunea alata* Steph. 1893
 (Grolle 1977) = *Dibrachiella alata* (Steph.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015b).
- *** *Lejeunea alata* Gottsche COM(1), MAS(1), MAU(1,2170), MDG(1,720), REU(1,682),
 SEY(1), TAN(2).
- ** *Lejeunea alata* var. *patriciae* Pócs ④ MDG(709,720).

- Lejeunea albifolia* Taylor 1845 = *Diplasiolejeunea albifolia* (Taylor) E.W.Jones 1954 (Jones 1954c).
- ** *Lejeunea aloba* Sande Lac. DRC(2), KEN(759).
- ** *Lejeunea amaniensis* E.W.Jones Ⓣ CMN(2), ETH(2345,3012), MDG(1), RWA(2,2864), TAN(2).
- * *Lejeunea amentulifera* Steph. Known only from original collections from the Rwenzori Mts (Stephani 1915).
Lejeunea amplectens (Steph.) Steph. 1890 = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1975).
- * *Lejeunea angulifolia* Mitt. Ⓣ CGS(2363), ROD(1,2363), SEY(2363).
Lejeunea angustifolia Mitt. 1861 = *Drepanolejeunea angustifolia* (Mitt.) Grolle 1965 (Grolle 1995).
- ** *Lejeunea anisophylla* Mont. ANG(2,822), ANN(33), BIO(2,33,1778), BUR(2), CAF(2), CGS(1760), CMN(2), COM(1), CON(2), CVI(2,37), DIE(1760), DRC(2,130,822), ETH(2916), GHA(2,3013), GUI(2), IVO(2,53), KEN(2,71,731,2066), MAU(1,2170), MDG(1,720), MLW(563), MOZ(2736), NGA(2), PRI(2,2374,2684), REU(1), RIM(10), ROD(723), RWA(2,130,2864), SAF(2), SAO(2,2374), SEY(1,4,108), SIE(2), TAN(2), UGA(2,42,96), ZIM(2). Though not yet formally placed in synonymy, *L. anisophylla* Mont. appears to be identical to the widespread neotropical *L. adpressa* Nees (pers. comm. S.R. Gradstein, Dec. 2017), and molecular analysis supports this. The latter is the earlier name for the taxon, and this then would become one of the most widespread tropical taxa of the genus.
- ** *Lejeunea aphanae* Spruce BIO(2,33), CMN(2), GHA(2,3013), STH(2895), TAN(2).
Lejeunea arnelliana R.M.Schust. 1965 = *Lejeunea villaumei* (Steph.) Grolle 1977 (Grolle 1977).
Lejeunea ascensionis (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 = *Cheilolejeunea ascensionis* (Hook.f. et Taylor) Grolle 1988 (Grolle 1988).
- * *Lejeunea asperifolia* Steph. Ⓣ Known only from the type from the Democratic Republic of the Congo (Stephani 1915).
Lejeunea astroidea Mitt. 1860 = *Leptolejeunea astroidea* (Mitt.) Steph. 1913 (Vanden Berghen 1953b).
Lejeunea atra Mitt. 1886 = *Acanthocoleus aberrans* (Lindenb. et Gottsche) Kruijt 1988 (Kruijt 1988).
Lejeunea aulacophora (Mont.) Steph. 1890 = *Acrolejeunea aulacophora* (Mont.) Steph. 1895 (Gradstein 1975).
Lejeunea autoica R.M.Schust. 1962 = *Lejeunea filipes* Spruce 1884 (Reiner-Drehwald 1994) = *Lejeunea aphanae* Spruce 1884 (Reiner-Drehwald & Schäfer-Verwimp 2009).
Lejeunea balfourii Mitt. 1879 = *Stictolejeunea balfourii* (Mitt.) E.W.Jones 1976 (Jones 1976b).
Lejeunea barbiflora Lindenb. et Gottsche 1851 = *Symbiezidium barbiflorum* (Lindenb. et Gottsche) A.Evans 1908 (Gradstein & van Beek 1985).
Lejeunea belangeri Gottsche ex Ångstr. 1874, nom. inval. = *Ceratolejeunea belangeriana* (Gottsche) Steph. 1913 (Grolle 1995).
Lejeunea belangeriana Gottsche 1845 = *Ceratolejeunea belangeriana* (Gottsche) Steph. 1913 (Grolle 1995).
Lejeunea borbonica Hampe et Gottsche 1895, nom. inval. = *Lopholejeunea borbonica* Steph. 1896 (Grolle 1995).
Lejeunea borgenii Steph. 1890 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein 1975, Gradstein & Vanden Berghen 1985).
Lejeunea brachytoma Gottsche 1882 = *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizut. 1964 (Grolle 1978).
- ** *Lejeunea brenanii* E.W.Jones Ⓣ CMN(2), GHA(2,3013), NGA(3083), RIM(10), SAO(2750), SIE(2).
Lejeunea breuetii (Steph.) Steph. 1901, hom. illeg. [non Gottsche 1845] = *Lejeunea caespitosa* auct. (Arnell 1953b) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
Lejeunea brevifissa Gottsche 1882 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).
Lejeunea brittoniae (A.Evans) Grolle 1995 = *Lejeunea phyllobola* Nees et Mont. 1842 (Reiner-Drehwald 2000).
Lejeunea byssoides Gottsche 1882 = *Microlejeunea byssoides* (Gottsche) Pearson 1892 (Grolle 1995).
Lejeunea caespitosa Lindenb. Dec. 1845 = *Lejeunea capensis* Gottsche 1845 (Reiner-Drehwald & Schäfer-Verwimp 2008), Reiner-Drehwald 2009.
Lejeunea caespitosa auct. [non Lindenb. Dec. 1845] = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
 Reiner-Drehwald & Schäfer-Verwimp (2008) examined the types of *L. caespitosa* held in the W and S herbaria, and showed that they are identical to *L. capensis* Gottsche. African collections formerly assigned to *L. caespitosa* (e.g. sensu Jones 1972) have been assigned to *Lejeunea anisophylla* (Pócs 2010a).
Lejeunea calyptrifolia (Hook.) Spreng. 1827 = *Colura calyptrifolia* (Hook.) Dumort. 1835.
Lejeunea camerunensis (Steph.) E.W.Jones 1972 = *Lejeunea tuberculosa* Steph. 1915 (Pócs & Geissler 2002).

Lejeunea cancellata Nees et Mont. 1842. Reports of this neotropical species from Tanzania and the Mascarene islands (Stephani 1915) are treated as erroneous by Grolle (1995).

** *Lejeunea cantabrigiensis* E.W.Jones Ⓣ CMN(2).

*** *Lejeunea capensis* Gottsche DRC(2), KEN(2), LES(75), MDG(1), MLW(2), RWA(2,2864), SAF(2), TAN(2).

Lejeunea capensis (S.W.Arnell) R.M.Schust. 1963, hom. illeg. [non Gottsche 1845] = *Ciliolejeunea capensis* S.W.Arnell 1953 (Schuster 1963) = *Lejeunea villaumei* (Steph.) Grolle 1977 (Grolle 1977).

Lejeunea (Inflatolejeunea) capensis (S.W.Arnell) R.M.Schust. 1963 = *Inflatolejeunea capensis* S.W.Arnell 1953 (Schuster 1963) = *Lejeunea capensis* Gottsche 1845 (Arnell 1963).

Lejeunea capulata Taylor 1846 = *Drepanolejeunea capulata* (Taylor) J.B.Jack et Steph. 1913 (Jones 1968b).

Lejeunea cardiantha Gottsche 1882 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Stephani 1913b).

Lejeunea cardiocarpa Mont. 1842 = *Cololejeunea cardiocarpa* (Mont.) A.Evans 1902 (Vanden Berghen 1972a).

Lejeunea cardiophylla Gottsche 1882 = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Grolle 1991) = *Lejeunea conformis* Nees et Mont 1843 (Söderström, Barrie et al. 2015).

*** *Lejeunea cavifolia* (Ehrh.) Lindb. SOC(2,764).

Lejeunea cavifolia Steph. 1886, hom. illeg. [non (Ehrh.) Lindb. 1875] = *Diplasiolejeunea vandenberghenii* Grolle 1960 (Grolle 1960b) = *Diplasiolejeunea cavifolia* Steph. 1895 (Grolle 1966, Grolle 1973).

Lejeunea chrysophylla (Lehm.) Gottsche, Lindenb. et Nees 1845 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).

** *Lejeunea cocoes* Mitt. CGS(1760), DIE(1760).

Lejeunea compressistipula (Pearson) Demaret 1942 perhaps = *Lejeunea confusa* E.W.Jones 1972 (Jones 1972) = *Lejeunea abyssinica* (Gola) Cufod. 1952 (Pócs, Zhu et al. 2015b).

Lejeunea confertissima (Steph.) Steph. 1892 = *Acrolejeunea emergens* var. *confertissima* (Steph.) Gradst. 1975 (Gradstein 1975).

*** *Lejeunea conformis* Nees et Mont. Ⓣ ANG(2), BIO(1778), BUR(2), CAF(2), CMN(2),

COM(1), DRC(2,130,822), ETH(2,2345), GHA(2), IVO(2), KEN(2,71,731,2066),

MAU(1,2170), MDG(1,720), MLW(2,563), MOZ(2736), NGA(3083), REU(1),

RWA(2,130,2864), SAF(2,75), SAO(2374), SEY(1), SIE(2), TAN(2), TOG(2), UGA(2).

Lejeunea confusa E.W.Jones 1972 = *Lejeunea abyssinica* (Gola) Cufod. 1952 (Pócs, Zhu et al. 2015b).

Lejeunea contigua (Nees) Mont. 1840 = *Pycnolejeunea contigua* (Nees) Grolle 1979 (He 1999).

Lejeunea convexa S.W.Arnell 1953 = *Cheirolejeunea convexa* (S.W.Arnell) S.W.Arnell 1955 (Jones 1988).

Lejeunea corbieri Steph. 1915 perhaps = *Lejeunea ibadana* A.J.Harr. et E.W.Jones 1982 (Jones & Harrington 1983).

Lejeunea cornuta (Lindenb.) Nees 1838 = *Ceratolejeunea cornuta* (Lindenb.) Steph. 1895 (Grolle 1995).

Lejeunea cornutissima Steph. 1892 perhaps = *Ceratolejeunea diversicornua* (Prantl) Schiffn. ex P.Syd. 1894 (Vanden Berghen 1977) = *Ceratolejeunea coarina* (Gottsche) Schiffn. 1893 (Gradstein 2013c).

Lejeunea crenatiflora (Steph.) Steph. 1891 ("crenatifolia") = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1989). See note under *Cololejeunea crenatiflora*.

Lejeunea cristata (Steph.) Prantl 1891 = *Drepanolejeunea cristata* Steph. 1891 (986) = *Drepanolejeunea cultrella* (Mitt.) Steph. 1913 (Vanden Berghen 1960b)

Lejeunea cucullata (Reinw., Blume et Nees) Nees 1838 = *Metalejeunea cucullata* (Reinw., Blume et Nees) Grolle 1995 (Grolle 1995).

Lejeunea cincinnata (Steph.) Steph. 1891 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).

Lejeunea cultrella Mitt. 1863 = *Drepanolejeunea cultrella* (Mitt.) Steph. 1913 (Vanden Berghen 1960b).

Lejeunea cuneata (Lehm. et Lindenb.) Gottsche, Lindenb. et Nees 1845 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).

Lejeunea cuneifolia (Steph.) Prantl 1892 [non Spruce 1884] = *Cololejeunea cuneifolia* Steph. Jul-Aug 1892 (Bonner 1978).

Lejeunea cupulirostris Augier, nom. inval. Known only from the original collection (Augier 1974) from Cameroun. E.W. Jones, in Wigginton (2004) considered this taxon may be merely the *tubata* form of another taxon in the *Lejeunea flava* group.

** *Lejeunea cyatheorum* E.W.Jones Ⓣ COM(1,4), DRC(2), MLW(2), RWA(2,2864), TAN(2), UGA(776).

Lejeunea decursiva Sande Lac. 1855 = *Cheirolejeunea decursiva* (Sande Lac.) R.M.Schust. 1963 (Grolle 1977).

Lejeunea delessertii Nees et Mont. 1843 = *Lepidolejeunea delessertii* (Nees et Mont.) Grolle 1984 (Piippo 1986).

Lejeunea deplanata Mitt. 1886, hom. illeg. [non Nees 1845] = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).

Lejeunea digitalis Mitt. 1886 = *Colura digitalis* (Mitt.) Steph. 1916 (Jovet-Ast 1954).

** *Lejeunea dipterocarpa* E.W.Jones Ⓣ BIO(1778), CMN(2), NGA(2).

Lejeunea dispar (Jovet-Ast) R.M.Schust. 1962 = *Microlejeunea dispar* Jovet-Ast 1959 (Schuster 1962).
Lejeunea diversicornua (Steph.) Steph. 1891 = *Ceratolejeunea diversicornua* (Prantl) Schiffn. ex P.Syd. 1893
(Bonner 1978) = *Ceratolejeunea coarina* (Gottschke) Schiffn. 1893 (Gradstein 2013c).

** *Lejeunea duncaniae* (Sim) M.E.Reiner "duncanii" ⑩ SAF(2,2701).

Lejeunea dusenii (Steph.) Prantl 1891 = *Lejeunea ramosissima* Steph. 1886 (Jones 1967).

Lejeunea dusenii (Steph.) Prantl 1892, nom. illeg. = *Colura dusenii* (Steph.) Steph. 1916 (Bonner 1978).

** *Lejeunea ecarinata* (Steph.) J.M.Coult., Barnes et Arthur ⑩ MDG(1), REU(1).

** *Lejeunea eckloniana* Lindenb. ANG(2,822), BIO(1778), CMN(2), CON(2), CVI(2,37),
DJI(2), DRC(2), ETH(2345), GHA(2,3013), GUI(2), KEN(2,21,71), LES(75),
MAU(1,2170), MDG(1,720), MLW(2,563), NGA(2,127), PRI(2750), REU(1), ROD(1,723),
RWA(2,2864), SAF(2,75), SIE(2), STH(2895), TAN(2), TOG(2,101), UGA(2,7,96),
ZAM(2), ZIM(2).

Lejeunea ecklonii Lindenb. ex Steph. 1890, nom. inval. = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

Lejeunea elegans (Steph.) Prantl 1891, nom. illeg. [non Gottsche 1845] = *Cololejeunea elegans* Steph. 1891
(Bonner 1978).

Lejeunea elliptica (Lehm. et Lindenb.) Mont. 1840 = *Leptolejeunea elliptica* (Lehm. et Lindenb.) Besch.
1892 (Schuster 1980a).

Lejeunea elobulata (Sim) S.W.Arnell, nom. inval. A doubtful taxon. The report of *Eulejeunea elobulata* from South Africa (Sim 1926) to be re-assessed.

Lejeunea emergens (Mitt.) Steph. 1894 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

Lejeunea epiphylla Mitt. 1861 = *Leptolejeunea epiphylla* (Mitt.) Steph. 1913 (Tixier 1995).

Lejeunea epiphyta (Steph.) Steph. 1891, hom. illeg. [non Gottsche 1845] = *Taxilejeunea epiphyta* Steph. 1891
(Jones 1967) = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Jones 1967) = *Lejeunea conformis* Nees et Mont 1843 (Söderström, Barrie *et al.* 2015).

Lejeunea epilicata Steph. 1915 = *Lejeunea ramosissima* Steph. 1887 (Jones & Harrington 1983).

Lejeunea euplopha Taylor 1846 = *Lopholejeunea euplopha* (Taylor) Schiffn. 1893 (Gradstein 1994).

Lejeunea excavata Mitt. 1860 = *Marchesinia excavata* (Mitt.) Schiffn. 1893 (Vanden Berghe 1948d).

*** *Lejeunea exilis* (Reinw., Blume et Nees) Grolle REU(2360).

Lejeunea expansa (Steph.) Steph. 1915 = *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell 1963 (Jones 1968a).

Lejeunea filicaulis (Steph.) Prantl 1892 = *Cololejeunea hildebrandii* (Austin) Steph. 1897 (Tixier 1985).

Lejeunea filiformis (Sw.) Nees ex Mont. 1839 = *Omphalanthus filiformis* (Sw.) Nees 1845 (Grolle 1995).

Lejeunea fimbriata Gottsche 1880 = *Lopholejeunea euplopha* (Taylor) Schiffn. 1893 (Verdoorn 1934, Thiers & Gradstein 1989).

*** *Lejeunea flava* (Sw.) Nees ANG(2848), BIO(72,1778), CAF(2), COM(1), CON(2), CVI(37),
DRC(2,130), ETH(1002), GHA(2), KEN(2,71,731), MAU(2170), MDG(1), REU(1712),
RWA(2,130,2864), SAO(2,2684), SEY(1,4,108), SIE(2), TAN(2), TOG(101), UGA(2,96),
ZAM(2).

** *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell ⑩ ANG(2848), BIO(2,33), BUR(2),
CAF(2), CMN(2), COM(1), CON(2), DRC(130), ETH(2345,3012), GUI(2), IVO(2),
KEN(2,731,2066), LES(75), MAU(108), MDG(1,720), MLW(2,563), MOZ(2), NGA(2),
PRI(2), REU(1712), RWA(2,130,2864), SAF(2,75), SAO(2374), TAN(2), UGA(2,42,96).

Lejeunea flava var. *convexuscula* Pearson 1886 = *Lejeunea tabularis* (Spreng.) Gottsche, Lindenb. et Nees 1845 (Arnell 1953b) = *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell.

*** *Lejeunea flavovirens* Ångstr. ⑩ COM(1), DRC(2), MAU(1,2170,2879), MDG(1,720),
REU(1), RWA(2,2864), SIE(2), TAN(2), UGA(2,50).

Lejeunea fulva (Gottsche) Steph. 1890, hom. illeg. [non Spruce 1884] = *Phragmicoma fulva* Gottsche 1882
(Gradstein 1975) = *Schiffnerolejeunea pappeana* (Nees) Gradst. 1974 (Geissler & Gradstein 1994).

Lejeunea furva Mitt. 1878 = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

Lejeunea fusca (Lehm.) Drège 1843 = *Mnioloma fuscum* (Lehm.) R.M.Schust. 1995 (Schuster 1995a).

Lejeunea galliotii Steph. 1915 probably = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

Lejeunea gaudichaudii (Gottsche) Steph. 1894 [non Lindenb. 1845] = *Bryopteris gaudichaudii* Gottsche 1857 (Stotler *et al.* 1974).

** *Lejeunea gradsteiniana* Pócs ⑩ TAN(2).

Lejeunea grandistipula Steph. 1886 = *Euosmolejeunea brachytoma* (Gottsche) Pearson 1892 (Jones 1974a) =
Cheilolejeunea trifaria (Reinw., Blume et Nees) Mizut. 1964 (Grolle 1978).

Lejeunea grata Gottsche 1882 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).

* *Lejeunea grossecristata* (Steph.) E.W.Jones ⑩ ANN(2,33), BIO(2,33), CMN(2), DRC(2),
GHA(2), IVO(2), KEN(2), NGA(2), RWA(2), SAO(2,2684), SIE(2), TAN(2), UGA(2,96).
Jones (1968a) considered that this taxon might be merely a form of *L. tabularis*, and later (*in litt.*)

placed it firmly as a synonym of the latter species (see also Pócs (1993b)). *L. grossecrestata* is listed separately here because the synonymy has not been published.

Lejeunea halei H.Rob. subsp. *africana* Pócs 2007 = *Lejeunea longilobula* Pócs 2010 (Pócs 2010a).

Lejeunea hamatifolia (Hook.) Spreng. 1893 = *Drepanolejeunea hamatifolia* (Hook.) Schiffn. 1895 (Arnell 1963).

Lejeunea hanningtonii Mitt. 1886 = *Caudalejeunea hanningtonii* (Mitt.) Schiffn. 1893 (Vanden Berghen 1948d).

Lejeunea haskarliana (Gottsche) Spruce 1884 "*hasskarliana*", comb. illeg. = *Schiffnerolejeunea tumida* var. *hasskarliana* (Gottsche) Gradst. et Terken 1981 (Gradstein & Terken 1981).

Lejeunea haskarliana Lehm. 1844 = *Cololejeunea haskarliana* (Lehm.) Schiffn. 1898 (Benedix 1953).

** ***Lejeunea helena*** Pearson ANG(2), DRC(2), ETH(2), KEN(2,2066), MLW(2), PRI(2750), RWA(2,2864), SAF(2,75), TAN(2), UGA(2,96), ZIM(2). Recently reported from India, otherwise endemic to sub-Saharan Africa.

*** ***Lejeunea hepaticola*** (Steph.) Steph. DRC(2), KEN(2,731,759), MLW(563), TAN(2), UGA(115).

Lejeunea hildebrandii Austin 1876 = *Cololejeunea hildebrandii* (Austin) Steph. 1897 (Tixer 1985).

Lejeunea hyalinomarginata Nees ex Mont. 1842 = *Cololejeunea marginata* (Lehm. et Lindenb.) Pearson 1892 (Grolle 1995).

** ***Lejeunea ibadana*** A.J.Harr. et E.W.Jones Ⓢ CAF(2), GHA(2), IVO(2), NGA(2), PRI(2750), RIM(10), SAO(2750), SIE(2), UGA(2).

Lejeunea inflexa (Gottsche) Steph. 1891, hom. illeg. [non Lehm. et Lindenb. 1838] = *Phragmicomia inflexa* Gottsche 1882 (Grolle 1995).

Lejeunea intermedia Lindenb. 1845 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Mizutani 1979).

Lejeunea intertexta Lindenb. 1845 = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Grolle 1979d).

Lejeunea intorta Besch. et Spruce 1890 = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (Grolle 1995).

Lejeunea isomorpha Gottsche 1882 = *Lejeunea flava* subsp. *tabularis* (Spreng.) S.W.Arnell 1963 (Jones 1968a). However, Jones (1968b) pointed out that the names *L. isomorpha* and *L. isophylla* have been confused. Vanden Berghen (1972b) considered that plants from southern Africa named as *L. isomorpha* might often represent *L. isophylla*.

*** ***Lejeunea isophylla*** E.W.Jones Ⓢ BUR(2), COM(1), IVO(2), DRC(2,130), KEN(2,731), MAU(2170), MDG(1), MLW(2,563), MOZ(2), REU(2129), RWA(2,130,2864), SAF(2), SEY(1), TAN(2), UGA(50,96), ZIM(2).

** ***Lejeunea julacea*** Steph. Ⓢ MDG(1,2363).

*** ***Lejeunea jungneri*** (Steph.) Steph. Ⓢ ANG(2059), CMN(863,2363,2364), PRI(2059). Synonymised with *Taxilejeunea conformis* by Jones (1967), but considered distinct by Pócs (2011a). Arnell (1962b) reported *L. jungneri* from eastern D.R.Congo, but the record requires confirmation.

Lejeunea kamerunensis (Steph.) Vanden Berghen 1972 = *Microlejeunea kamerunensis* Steph. 1915 (Jones & Harrington 1983).

* ***Lejeunea kilimandjarensis*** Steph. Ⓢ The only record, from Tanzania (Stephani 1915), to be reassessed.

Lejeunea kindbergii Prantl 1892 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).

Lejeunea krakakammae Lindenb. 1845 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).

Lejeunea kraussiana Lindenb. 1845 = *Diplasiolejeunea kraussiana* (Lindenb.) Steph. 1895 (Vanden Berghen 1960a).

** ***Lejeunea kuerschneriana*** Pócs Ⓢ KEN(2365).

Lejeunea kurzii (Steph.) J.M.Coult., Barnes et Arthur 1890 = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Grolle 1979d).

*** ***Lejeunea laetevirens*** Nees et Mont. ASC(3065).

*** ***Lejeunea lamacerina*** (Steph.) Schiffn. CVI(2,37).

Lejeunea lehmanniana Gottsche 1845 = *Caudalejeunea lehmanniana* (Gottsche) A.Evans 1907 (Schuster 1980a).

Lejeunea letabaensis S.W.Arnell 1954 = *Lejeunea rhodesiae* (Sim) R.M.Schust. 1962 (Jones 1974b).

** ***Lejeunea leucosis*** Besch. et Spruce Ⓢ KEN(2365), MDG(1,2365), REU(2365), TAN(2365).

Lejeunea lineata (Lehm. et Lindenb.) Nees 1838 = *Cystolejeunea lineata* (Lehm. et Lindenb.) A.Evans 1906 (Grolle 1995).

** ***Lejeunea lomana*** E.W.Jones Ⓢ SIE(2), UGA(115).

** ***Lejeunea longilobula*** Pócs Ⓢ BIO(1778,2365).

Lejeunea longirostris (Steph.) E.W.Jones 1968, hom. illeg. [non Spruce 1884] = *Lejeunea grossecrestata* (Steph.) E.W.Jones 1968 (Jones 1979).

Lejeunea lunulata (F.Weber) Nees 1845 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Teeuwen 1989).

** *Lejeunea lyratiflora* Prantl ④ BUR(2), CMN(2), DRC(130), RWA(2,130,2864), SAO(2750), TAN(2), UGA(50).

Lejeunea maculata Mitt. 1861 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).

Lejeunea madagascariensis Nees et Mont. 1836 = *Porella madagascariensis* (Nees et Mont.) Trevis. 1877 (Grolle 1995).

Lejeunea madagascariensis Gottsche 1882, hom. illeg. [non Nees et Mont. 1836] = *Acanthocoleus madagascariensis* (Steph.) Krujyt 1988 (Krujyt 1988).

Lejeunea marginata (Lehm. et Lindenb.) Gottsche, Lindenb. et Nees 1845 = *Cololejeunea marginata* (Lehm. et Lindenb.) Pearson 1892 (Tixier 1985).

Lejeunea mariana Gottsche 1845 = *Cheilolejeunea mariana* (Gottsche) B.Thiers et Gradst. 1989 (Thiers & Gradstein 1989).

Lejeunea mascarena J.M.Coult., Barnes et Arthur 1890 = *Ceratolejeunea belangeriana* (Gottsche) Steph. 1913 (Grolle 1978).

*** *Lejeunea masoalae* Pócs ④ MDG(2365).

Lejeunea mauritiana J.M.Coult., Barnes et Arthur 1890 = *Ceratolejeunea belangeriana* (Gottsche) Steph. 1913 (Grolle 1995).

Lejeunea microloba Gola 1920, nom. inval., perhaps = *Lejeunea wilmsii* (Steph.) Steph. 1915 [= *Eulejeunea wilmsii* Steph. 1892] (Vanden Berghe 1972b) = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

Lejeunea microlobulata S.W.Arnell 1953 = (*Eu*)*Lejeunea wilmsii* (Steph.) Steph. 1915 (Arnell 1963) = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

Lejeunea microscopica (Taylor) Gottsche, Lindenb. et Nees 1845 = *Aphanolejeunea microscopica* (Taylor) A.Evans 1911 (Mizutani 1961).

Lejeunea microscypha Taylor, in Gottsche, Lindenb. et Nees 1844 = *Cheilolejeunea microscypha* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).

Lejeunea minutissima (Sm.) Spreng. 1827 = *Cololejeunea minutissima* (Sm.) Steph. 1892 (Stephani 1892) = *Myriocoleopsis minutissima* (Sm.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu et al. 2014).

Lejeunea mitracalyx (Eifrig) Mizut. 1970 = *Lejeunea alata* Gottsche 1845 (Grolle 1977).

Lejeunea montagnei Mont. 1843 = *Euosmolejeunea montagnei* (Mont.) Steph. 1890 (Jones 1954a) = *Cheilolejeunea montagnei* (Gottsche ex Mont.) R.M.Schust. 1963 (Schuster 1963).

Lejeunea multilacera (Steph.) J.M.Coult., Barnes et Arthur 1890 = *Lopholejeunea multilacera* Steph. Nov 1890 (Bonner 1978).

Lejeunea myriocarpa Nees et Mont. 1842 = *Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Schuster 1955) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu et al. 2014).

Lejeunea nigra (Steph.) Prantl 1891 = *Mastigolejeunea nigra* Steph. 1891 (Bonner 1978) = *Thysananthus nigrus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).

Lejeunea nigricans Lindenb. 1845 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).

Lejeunea nobilis Gottsche 1882 = *Marchesinia nobilis* (Gottsche) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015a).

Lejeunea obliqua Nees et Mont. 1843 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Grolle 1995).

Lejeunea oblongistipula Gottsche 1882 = *Microlejeunea oblongistipula* (Gottsche) Pearson 1892 (Grolle 1995).

Lejeunea obtusa (Steph.) Prantl 1891 = *Colura obtusa* (Steph.) Steph. 1916 (Bonner 1978) = *Colura digitalis* (Mitt.) Steph. 1916 (Jovet-Ast 1954).

** *Lejeunea obtusata* Gottsche ④ GHA(2), KEN(2785), MAU(1,2170), MDG(1), SIE(2), TAN(2), UGA(2,96).

Lejeunea cf. obtusata SAO(2374).

Lejeunea obtusostipula (Steph.) E.W.Jones 1989 = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).

Lejeunea (subgen. *Acrolejeunea*) *occulta* Steph. 1888 = *Schiffnerolejeunea occulta* (Steph.) Gradst. 1974 (Gradstein 1974).

Lejeunea ocellifera (S.W.Arnell) R.M.Schust. 1955, nom. inval. = *Microlejeunea ocellifera* S.W.Arnell 1953 (Vanden Berghe 1965) = *Microlejeunea africana* Steph. 1888 (Jones 1969).

** *Lejeunea okomuensis* E.W.Jones ④ CMN(2), IVO(2), NGA(2), UGA(42).

* *Lejeunea pallidissima* Gola ④ DRC(2). Vanden Berghe (1972b) considered this taxon perhaps to be synonymous with *Lejeunea flavovirens*.

*** *Lejeunea papilionacea* Prantl CMN(2,670), COM(1,670), GHA(2,670), GUI(670), MDG(1,670), REU(670), RIM(10), SAO(2374), SIE(2,670).

Lejeunea pappeana (Nees) Mitt. 1863 = *Schiffnerolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein & Vanden Berghe 1985).

Lejeunea papulosa Gottsche 1882 = *Microlejeunea papulosa* (Gottsche) Spruce 1892 (Grolle 1995).

Lejeunea parisii Steph. 1915 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).

Lejeunea parviloba (Steph.) J.M.Coult., Barnes et Arthur 1890 = *Schiffnerolejeunea parviloba* (Steph.) Gradst. 1974 (Gradstein 1974).

Lejeunea pellucida (Meissn. ex Spreng.) Gottsche, Lindenb. et Nees 1845 = *Diplasiolejeunea pellucida* (Meissn. ex Spreng.) Schiffn. 1893 (Grolle 1995).

Lejeunea perforata Schiffn. 1886 = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).

*** ***Lejeunea phyllobola*** Nees et Mont. COM(1), DRC(2), ETH(2345,3012), KEN(2), MDG(4), PRI(2374), SAF(2), SEY(4), SIE(2), TAN(2). *Lejeunea brittoniae* was placed in synonymy with *L. phyllobola* by Reiner-Drehwald (2000), and records of *L. brittoniae* in Africa have accordingly been transferred in this checklist. However, Africa is not included in the stated distribution of *L. phyllobola* in Reiner-Drehwald (2000).

Lejeunea physifolia Gottsche 1882 "physaefolia" = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (Grolle 1995).

Lejeunea pililoba Spruce 1894 = *Lejeunea trinitensis* Lindenb. 1845 (Grolle 1981).

Lejeunea planiuscula Mitt. 1861 = *Archilejeunea planiuscula* (Mitt.) Steph. 1911 (Thiers & Gradstein 1989) = *Spruceanthus planiusculus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015b).

Lejeunea platyneura Spruce 1884 = *Cololejeunea platyneura* (Spruce) A.Evans 1902 (Zhu & So 1998).

Lejeunea pluriplicata Pearson 1887 = *Cheilolejeunea pluriplicata* (Pearson) R.M.Schust. 1980 (Jones 1988).

Lejeunea polyandra Gola 1920 = *Lejeunea wilmsii* (Steph.) Steph. 1915 [= *Eulejeunea wilmsii* Steph. 1892] (Vanden Berghe 1972b) = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

Lejeunea pterota (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 = *Cheilolejeunea ascensionis* (Hook.f. et Taylor) Grolle 1988 (Grolle 1988).

Lejeunea pulcherrima Steph. 1886 = *Lejeunea acuta* Mitt. 1863 (Vanden Berghe 1961).

** ***Lejeunea pulchriflora*** (Pearson) G.E. Lee, Bechteler, Pócs, Schäf-Verw. & Heinrichs ANG(2848), CAF(2), CMN(2), DRC(2), ETH(2345), GHA(2,3013), GUI(2), IVO(2,53), KEN(2,2066), LBR(2), PRI(2750), RIM(10), RWA(130,2864), SIE(2), TAN(2), TOG(2), UGA(115).

Lejeunea punctata Gottsche 1882 = *Cololejeunea punctata* (Gottsche) Pearson 1892 (Grolle 1995).

Lejeunea pycnoclada (Taylor) Mitt. 1861 = *Acrolejeunea pycnoclada* (Taylor) Schiffn. 1893 (Gradstein 1975).

Lejeunea quintasii (Steph.) Prantl 1891 = *Leptolejeunea quintasii* Steph. 1891 (Bonner 1978) = *Leptolejeunea epiphylla* (Mitt.) Steph. 1913 (Tixier 1995). See also note under *Leptolejeunea quintasii*.

** ***Lejeunea ramosissima*** Steph. ANN(2,33), BIO(2,33), CMN(2), CON(2), DRC(2), GHA(3013), GUI(2), MOZ(2736), PRI(2), REU(1), RWA(2,2864), SAO(2,2684), SEY(1), SIE(2), TAN(2), TOG(2), UGA(96).

Lejeunea cf. ramosissima Steph. BIO(1778).

Lejeunea recurvistipula Gottsche 1845 = *Caudalejeunea recurvistipula* (Gottsche) Schiffn. 1893 (Grolle 1995).

Lejeunea renauldii Renaud et Cardot 1891, nom. illeg. = *Acrolejeunea aulacophora* (Mont.) Steph. 1895 (Gradstein 1975).

Lejeunea renauldii Steph. Dec 1890 = *Lejeunea alata* Gottsche 1845 (Grolle 1977).

Lejeunea repanda Schiffn 1886 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).

** ***Lejeunea rhodesiae*** (Sim) R.M.Schust. Ⓣ ANG(2), CAF(2), CON(2), DRC(2,822), KEN(21,2066), LES(75), MLW(2), ROD(723), RWA(2,2864), SAF(2), SOC(746), TAN(2), UGA(2,50), ZAM(2), ZIM(2).

Lejeunea rodriguezii (Steph.) Steph. 1891 = *Lejeunea anisophylla* Mont. 1843 (Pócs 2011a).

Lejeunea rotalis (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 = *Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et P.Geissler 1997 (Gradstein & Geissler 1997) = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).

Lejeunea rotundistipula (Lindenb. ex Lehm.) Mont. 1842 [non (Steph.) S.Hatt. 1952] = *Leucolejeunea rotundistipula* (Lindenb. ex Lehm.) A.Evans 1907 (Grolle 1995) = *Cheilolejeunea rotundistipula* (Lindenb. ex Lehm.) Malombe 2009 (Malombe 2009).

Lejeunea rufescens Lindenb. 1845 = *Cheilolejeunea rufescens* (Lindenb.) Grolle 1982 (Grolle 1995).

Lejeunea rutenbergiana Gottsche 1882 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).

Lejeunea rutenbergii Gottsche ex Steph. 1891, nom. inval. = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).

Lejeunea saccatiloba (Steph.) Prantl 1891 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeuna anisophylla* Mont. 1843 (Pócs 2010a). Jones (1972) stated that most plants Stephani named as *L. saccatiloba* are *L. confusa*, but that the type is *L. caespitosa* [sensu Jones (1972)].

** ***Lejeunea sanctae-helenae*** M.Wigginton Ⓣ STH(1755,2895).

Lejeunea scabriflora Gottsche 1882, nom. inval. = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).

Lejeunea securifolia Gottsche 1882 = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (Grolle 1995).

- Lejeunea serpentina* Mitt. 1861 = *Cheilolejeunea serpentina* (Mitt.) Mizut. 1963 (Grolle 1979d) =
Cheilolejeunea rigidula (Nees ex Mont.) R.M.Schust. 1971 (Bastos 2012).
Lejeunea serrula Mitt. 1886 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
- ** *Lejeunea setacea* (Steph.) Steph. ② ANG(2848), BEN(22), BUR(2), CAF(2), CMN(2),
 COM(1), CON(2), DRC(2), GHA(2,3013), IVO(2), KEN(2), NGA(2), PRI(2), SAF(2),
 SAO(2), SIE(2), TAN(2785), ZAM(2).
Lejeunea sieberiana Gottsche 1845 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Teeuwen 1989).
- ** *Lejeunea sikorae* (Steph.) Steph. ② Known only from the type from Madagascar (Stephani, in
 Renauld & Cardot 1893).
Lejeunea silvestris Gottsche 1882 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).
Lejeunea sinuata Mitt. 1886 = *Lopholejeunea sphaerophora* (Lehm. et Lindenb.) Steph. 1913 (Thiers 1983).
Lejeunea solitaria Gottsche 1882 = *Harpalejeunea solitaria* (Gottsche) Steph. 1913 (Grolle 1995).
Lejeunea spathulistipa (Reinw., Blume et Nees) Mitt. 1861 = *Thysananthus spathulistipus* (Reinw., Blume et
 Nees) Lindenb. 1845 (Verdoorn 1934).
Lejeunea sphaerophora (Lehm. et Lindenb.) Gottsche, Lindenb. et Nees 1845 = *Lopholejeunea sphaeropho-*
ra (Lehm. et Lindenb.) Steph. 1912 (Vanden Berghen 1984a).
- * *Lejeunea squarrosa* (Steph.) Steph. Known only from the type from Tanzania (Stephani 1895). A
 taxon of doubtful systematic position (Jones 1968a).
Lejeunea stephanii Spruce ex Steph. 1892, nom. inval. probably = *Caudalejeunea reniloba* (Gottsche) Steph.
 1912 (Mizutani 1988).
Lejeunea subciliata Mitt. 1878 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
Lejeunea subfusca (Nees) Nees et Mont. 1836 = *Lopholejeunea subfusca* (Nees) Schiffn. 1897 (Grolle 1995).
- ** *Lejeunea subigiensis* (Steph.) Steph. CGS(1760).
Lejeunea subinermis (Steph.) Steph. 1901 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Vanden
 Berghen 1984a).
Lejeunea subintegra (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 = *Clasmatocolea vermicularis*
 (Lehm.) Grolle 1960 (Grolle 1960a, Engel 1980).
Lejeunea surrepens Mitt. 1878 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).
Lejeunea tabularis (Spreng.) Gottsche, Lindenb. et Nees 1845 = *Lejeunea flava* subsp. *tabularis* (Spreng.)
 S.W.Arnell 1963 (Arnell 1963).
Lejeunea thomeensis Steph. 1886 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
Lejeunea thwaitesiana Mitt. 1861 = *Drepanolejeunea thwaitesiana* (Mitt.) Steph. 1913 (Grolle 1995).
Lejeunea tortuosa Lehm. 1845 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Vanden Berghen 1952,
 Teeuwen 1989).
Lejeunea trematodes Nees 1836 = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).
Lejeunea trichomanoides Mont. et Nees 1845 = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Jones
 1967) = *Lejeunea conformis* Nees et Mont 1843 (Söderström, Barrie *et al.* 2015).
- *** *Lejeunea trinitensis* Lindenb. COM(4,2366).
Lejeunea triquetra Mitt. 1863 = *Thysananthus spathulistipus* (Reinw, Blume et Nees) Gottsche, Lindenb. et
 Nees 1845 (Jones & Harrington 1983).
Lejeunea tristis Steph. 1890 = *Frullanoides tristis* (Steph.) van Slageren 1985 (van Slageren 1985).
Lejeunea truncatiloba (Steph.) Prantl 1892 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Vanden Berghen
 1963a).
- ** *Lejeunea tuberculosa* Steph. ANG(2), ANN(2,33), CAF(2), CMN(2), GHA(2,3013), GUI(2),
 IVO(2), KEN(2), MAU(1), MDG(1,720), MLW(2,563), MOZ(2), NGA(2), PRI(2374),
 REU(1), SEY(1,4), SIE(2), TAN(2), UGA(96), ZIM(2).
Lejeunea turgida (Steph.) Prantl 1892 = *Mastigolejeunea turgida* Steph. 1892 (Bonner 1978) = *Thysananthus*
turgidus (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
Lejeunea ulicina (Taylor) Gottsche, Lindenb. et Nees 1845 = *Microlejeunea ulicina* (Taylor) A.Evans 1902
 (Bonner 1978).
Lejeunea ulicina subsp. *africana* (Steph.) Vanden Berghen 1972 = *Microlejeunea africana* Steph. 1888
 (Jones & Harrington 1983).
Lejeunea ulicina subsp. *ocellifera* (S.W.Arnell) R.M.Schust. 1962 = *Microlejeunea africana* Steph. 1888
 (Jones 1969).
Lejeunea unciloba Lindenb. 1845 = *Cheilolejeunea unciloba* (Lindenb.) Malombe 2009 (Malombe 2009).
Lejeunea variabilis Lindenb. 1845 = *Ceratolejeunea variabilis* (Lindenb.) Pearson 1892 (Grolle 1995).
- *** *Lejeunea villaumei* (Steph.) Grolle ② GHA(3013), KEN(2), MAU(2785), MDG(1,720),
 MLW(563), REU(1), RWA(2,2864), SAF(2), SEY(1), TAN(2), UGA(776).
Lejeunea vogelii Taylor 1846 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843
 (Pócs 2010a).
- ** *Lejeunea vojtkoi* Pócs ② MDG(2365).
- ** *Lejeunea vulgariformis* Gottsche ② MDG(1,2365).
Lejeunea wilmsii (Steph.) Prantl 1892 = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).

- Lejeunea xanthocarpa* (Lehm. et Lindenb.) Gottsche, Lindenb. et Nees 1845 = *Leucolejeunea xanthocarpa* (Lehm. et Lindenb.) A.Evans 1907 (Schuster 1980a) = *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe 2009 (Malombe 2009).
- Lembidium borbonicum* Steph. 1893 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1995).
- Lembidium heteromorphum* (Lehm.) Steph. 1891 = *Alobiellopsis heteromorpha* (Lehm.) R.M.Schust. 1969 (Schuster 1969a).
- Leperoma ochroleuca* (Spreng.) Mitt. 1877 = *Lepicolea ochroleuca* (Spreng.) Spruce 1885 (Arnell 1963).
- *** *Lepicolea ochroleuca* (Spreng.) Spruce SAF(2,107).
- *** *Lepidolejeunea bidentula* (Steph.) R.M.Schust. var. *bidentula* MDG(1,582), SEY(1,4,108,582).
- *** *Lepidolejeunea delessertii* (Nees et Mont.) Grolle Ⓢ MAU(1,582,823,2170), REU(1,4,582).
- *** *Lepidolejeunea serrulata* (Steph.) Grolle Ⓢ CMN(2,582), GHA(2,582), RIM(10).
- Lepidozia abyssinica* S.W.Arnell 1960 = *Lepidozia stuhlmannii* Steph. 1895 (Hodgetts & Pócs 1999).
- Lepidozia africana* Steph. 1922 = *Lepidozia cupressina* (Sw.) Lindenb. subsp. *africana* (Steph.) Pócs (Pócs *et al.* 2016).
- ** *Lepidozia cupressina* subsp. *africana* (Steph.) Pócs Ⓢ MAU(1,2965), MDG(1), REU(1,4,2965), STH(2349,2895), TAN(2,2965).
- Lepidozia bicuspidata* C.Massal. 1885 = *Hyalolepidozia bicuspidata* (C.Massal.) S.W.Arnell ex Grolle 1964 (Arnell 1962a).
- Lepidozia capillaris* (Sw.) Lindenb. 1845 = *Kurzia capillaris* (Sw.) Grolle 1964 (Pócs 1984a).
- Lepidozia carnosa* Steph. 1911 = *Lepidozia stuhlmannii* var. *carnosa* (Steph.) Pócs (Lye & Pócs 1997).
- Lepidozia chaetophylla* var. *tenuis* Pearson = *Telaranea redacta* (Steph.) J.J.Engel et G.L.Merr. (Engel & Merrill 2004).
- *** *Lepidozia cupressina* (Sw.) Lindenb. subsp. *cupressina* BIO(1778,2965), DRC(2,2965), KEN(2), LES(75), RWA(2,2864,2965), SAF(2,2965), TAN(2,2965), UGA(2,96,2965).
- ** *Lepidozia cupressina* subsp. *natalensis* (Steph.) Pócs Ⓢ SAF(2,2965).
- Lepidozia cupressina* subsp. *quiquefida* (Steph.) Pócs 1984 = *Lepidozia cupressina* (Sw.) Lindenb. subsp. *cupressina* (Pócs *et al.* 2016).
- * *Lepidozia hexiloba* Pearson Described only from Ghana (Pearson 1931) on the basis of a single stem, and also described by the author as "provisionally published". E.W. Jones, in Wigginton (2004) considered it a doubtful species, probably referable to a *Telaranea* sp.
- Lepidozia hyalina* Steph. 1911 = *Lepidozia pearsonii* Spruce 1891 (Pócs 1984a).
- Lepidozia irregularis* Steph. 1911 = *Kurzia irregularis* (Steph.) Grolle 1982 (Pócs 1984a).
- Lepidozia lacerata* Steph. 1909 = *Lepidozia stuhlmannii* Steph. 1895 (Pócs 1994b).
- Lepidozia laevifolia* (Hook.f. et Taylor) Taylor ex Gottsche, Lindenb. et Nees. Listed from St Helena in a synopsis of African Lepidoziaceae (Pócs 1984a). However, this species does not occur on the island, but is found on Tristan Da Cunha, which is administered from St. Helena. The error most likely arose from a misinterpretation of the location name "St. Helena. Tristan da Cunha" shown on some 19th century herbarium packets.
- Lepidozia laurentii* Steph. 1909 = *Sprucella succida* (Mitt.) Steph. 1891 (Vanden Bergen 1946) = *Lepidozia succida* Mitt. 1860 (Vanden Berghe 1983).
- Lepidozia longitexta* Steph. 1909 = *Sprucella succida* (Mitt.) Steph. 1891 (Vanden Bergen 1946) = *Lepidozia succida* Mitt. 1860 (Vanden Berghe 1983).
- Lepidozia microphylla* var. β Gottsche, Lindenb. et Nees, based on *Jungermannia microphylla* Hook., pp. = *Lepidozia africana* Steph. 1922 (Pócs 1984a).
- Lepidozia natalensis* Steph. 1909 = *Lepidozia cupressina* subsp. *natalensis* (Steph.) Pócs 1984 (Pócs 1984a).
- Lepidozia nematodes* (Gottsche ex Austin) Spruce 1885 = *Telaranea nematodes* (Gottsche ex Austin) M.Howe 1902 (Pócs 1984a).
- Lepidozia nemoides* (Hook.f. et Taylor) Lindenb. et Gottsche 1846 = *Kurzia nemoides* (Hook.f. et Taylor) Grolle 1964 (Pócs 1984a).
- ** *Lepidozia pearsonii* Spruce DRC(2), MLW(2), RWA(2864), SAF(2), UGA(2), ZIM(2859).
- Lepidozia pearsonii* var. *lacerata* (Steph.) Pócs 1984 = *Lepidozia lacerata* Steph. 1909 (Pócs 1984a) = *Lepidozia stuhlmannii* Steph. 1895 (Pócs 1994b).
- Lepidozia pearsonii* var. *pulvinata* (Steph.) Pócs 1984 = *Lepidozia stuhlmannii* subsp. *pulvinata* (Steph.) Pócs 1994 (Pócs 1994b).
- Lepidozia pulvinata* Steph. 1911 = *Lepidozia stuhlmannii* subsp. *pulvinata* (Steph.) Pócs 1994 (Pócs 1994b).
- Lepidozia quinquefida* Steph. 1911 = *Lepidozia cupressina* (Sw.) Lindenb. subsp. *cupressina* (Pócs *et al.* 2016).
- Lepidozia quintasii* Steph. 1922 = *Telaranea nematodes* (Gottsche ex Austin) M.Howe 1902 (Pócs 1984a).
- Lepidozia redacta* Steph. 1911 = *Telaranea redacta* (Steph.) J.J.Engel et G.L.Merr. (Engel & Merrill 2004).
- Lepidozia reducta* Steph. 1922, a typographical error for *Lepidozia redacta* Steph. 1911 [= *Telaranea nematodes* (Gottsche ex Austin) M.Howe 1902].
- *** *Lepidozia reptans* (L.) Dumort. DRC(2), RWA(2864,2938).

- Lepidozia spinosa* S.W.Arnell 1954 = *Psiloclada clandestina* Mitt. 1855 (Pócs 1984a).
- Lepidozia stephani* Renauld ex Steph. 1890 = *Kurzia capillaris* subsp. *stephani* (Renauld) Pócs 1984 (Pócs 1984a).
- ** ***Lepidozia stuhlmannii*** Steph. MLW(92), REU(2129,2864), UGA(96).
Lepidozia stuhlmannii var. *abyssinica* (S.W.Arnell) Pócs 1994 = *Lepidozia stuhlmannii* Steph. var. *stuhlmannii* 1895 (Hodgetts & Pócs 1999).
- ** ***Lepidozia stuhlmannii*** var. *carnosa* (Steph.) Pócs ⑩ DRC(274), KEN(7), RWA(2), UGA(7,96).
- ** ***Lepidozia stuhlmannii*** subsp. *pulvinata* (Steph.) Pócs ⑩ DRC(2), KEN(2), RWA(2), UGA(2).
- ** ***Lepidozia stuhlmannii*** Steph. subsp. *stuhlmannii* BIO(36), CMN(2), DRC(2), ETH(2,2345), KEN(2), MLW(2), RWA(2), SAF(2), TAN(2), UGA(2,42,50).
- ** ***Lepidozia succida*** Mitt. ⑩ ANG(2), BIO(2,33,36,1778), CAF(2), CMN(2), COM(2366), CON(2), DRC(2), GAB(2), GHA(2,3013), GUI(2), IVO(2), MDG(1,4), NGA(2), PRI(2374), RIM(10), RWA(2864,2938), SAO(2,2684), SIE(2), UGA(2,42,96),
- ** ***Lepidozia ubangiensis*** Steph. ⑩ CAF(2), CON(2), DRC(2), GAB(2), PRI(2750), SAO(2750).
Treated as a subspecies of *Lepidozia succida* by Vanden Berghen (1983), but accorded species status by Pócs (1994b).
Lepidozia succulenta Sim 1926 = *Paracromastigum succulentum* (Sim) J.J.Engel et G.L.Merr. 2001 (Engel & Merrill 2001).
- Lepidozia tabularis* Steph. 190 = *Kurzia capillaris* (Sw.) Grolle 1964 (Pócs 1984a).
- Lepidozia trifida* Steph. 1911 = *Telaranea trifida* (Steph.) R.M.Schust. 1966 (Pócs 1984a).
- Lepidozia truncatella* Nees 1845 = *Lepidozia cupressina* (Sw.) Lindenb. subsp. *cupressina* 1845 (Arnell 1953a, Pócs 1984a).
- *** ***Lepidozia ulothrix*** (Schwägr.) Lindenb. ⑩ MAU(1).
Lepidozia verrucosa Steph. 1885 = *Kurzia capillaris* var. *verrucosa* (Steph.) Pócs 1984 (Pócs 1984a).
Leptocolea adhaesiva (Mitt.) E.W.Jones 1953 = *Cololejeunea adhaesiva* (Mitt.) R.M.Schust. 1963 (Schuster 1963).
Leptocolea africana (Steph.) E.W.Jones 1953 = *Cololejeunea africana* (Steph.) R.M.Schust. 1963 (Schuster 1963).
Leptocolea apiculata E.W.Jones 1954 = *Cololejeunea apiculata* (E.W.Jones) R.M.Schust. 1963 (Schuster 1963).
Leptocolea appressa A.Evans 1912 = *Cololejeunea appressa* (A.Evans) Benedix 1953 (Jones 1968b).
Leptocolea auriculata E.W.Jones 1953 = *Cololejeunea auriculata* (E.W.Jones) R.M.Schust. 1963 (Schuster 1963).
Leptocolea autoica (Steph.) E.W.Jones 1953, nom. inval. = *Cololejeunea autoica* (Steph.) Grolle 1995 (Grolle 1995).
Leptocolea bolombensis (Steph.) E.W.Jones 1953 = *Cololejeunea bolombensis* (Steph.) Vanden Berghen 1972 (Vanden Berghen 1972a) = *Cololejeunea lanciloba* Steph. 1895 (Zhu & So 2001).
Leptocolea cardiocarpa (Mont.) A.Evans 1911 = *Cololejeunea cardiocarpa* (Mont.) A.Evans 1902 (Vanden Berghen 1972a).
Leptocolea crenatiflora Steph. 1915 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1989).
See note under *Cololejeunea crenatiflora*.
Leptocolea crenatifolia Steph. ex S.W.Arnell 1965, nom. inval. = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1989).
Leptocolea cristata (Steph.) E.W.Jones 1953 = *Cololejeunea cristata* (Steph.) R.M.Schust. 1963 (Tixier 1979a).
Leptocolea cristata var. *lanciloba* S.W.Arnell 1963 = *Cololejeunea cardiocarpa* (Mont.) A.Evans 1902 (Perold 1992b, Tixier 1985).
Leptocolea cristata var. *occidentalis* E.W.Jones 1953 = *Cololejeunea occidentalis* (E.W.Jones) Vanden Berghen 1978 (Vanden Berghen 1978b).
Leptocolea cuneifolia (Steph.) A.Evans 1911 = *Cololejeunea cuneifolia* Steph. 1892 (Jones & Harrington 1983).
Leptocolea dentata E.W.Jones 1953 = *Cololejeunea dentata* (E.W.Jones) R.M.Schust. 1963 (Schuster 1963).
Leptocolea distalopapillata E.W.Jones 1957 = *Cololejeunea distalopapillata* (E.W.Jones) R.M.Schust. 1963 (Schuster 1963).
Leptocolea furcilibulata Berrie et E.W.Jones 1954 = *Cololejeunea furcilibulata* (Berrie et E.W.Jones) R.M.Schust. 1963 (Schuster 1963).
Leptocolea himalayensis Pandé et Misra 1943 = *Cololejeunea latilobula* (Herzog) Tixier 1985 (Tixier 1985).
E.W.Jones, in Wigginton (2004) preferred to maintain *C. himalayensis* as a distinct species.
Leptocolea latilobula Herzog 1930 = *Cololejeunea latilobula* (Herzog) Tixier 1985 (Tixier 1985).
Leptocolea leloutrei E.W.Jones 1953 = *Cololejeunea leloutrei* (E.W.Jones) R.M.Schust. 1963 (Schuster 1963).

- Leptocolea mascarena* Steph. ex S.W.Arnell 1965, nom. inval. = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
- Leptocolea montagnei* (Gottsche) Steph. 1916 = *Cheilolejeunea montagnei* (Gottsche ex Mont.) Schiffn. 1898 (Grolle 1995).
- Leptocolea nigerica* E.W.Jones 1953 = *Cololejeunea nigerica* (E.W.Jones) R.M.Schust. 1963 (Schuster 1963).
- Leptocolea nymanii* Steph. 1916 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- Leptocolea perforata* Schiffn. ex S.W.Arnell 1965, nom. inval. = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).
- Leptocolea perforata* sensu S.W.Arnell 1965 [non Schiffn. ex S.W.Arnell 1965, nom. inval.] = *Drepanolejeunea madagascariensis* (Steph.) Grolle 1974 (Grolle 1976a).
- Leptocolea punctata* E.W.Jones 1957 = *Cololejeunea vidaliana* Tixier 1973 (Grolle 1978).
- Leptocolea quintasii* var *mascarenica* S.W.Arnell 1965, nom. inval. = *Leptolejeunea epiphylla* (Mitt.) Steph. 1913 (Bizot & Pócs 1974).
- Leptocolea scabrifolia* var. *africana* Herzog 1947, nom. inval. = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- Leptocolea subciliata* (Mitt.) E.W.Jones 1953 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
- Leptolejeunea adhaesiva* (Mitt.) Steph. 1895 = *Cololejeunea adhaesiva* (Mitt.) R.M.Schust. 1963 (Schuster 1963).
- *** *Leptolejeunea astroidea* (Mitt.) Steph. ⑧ ANG(2848), BUR(2), CMN(2), CON(2), DRC(2,130,822), ETH(2916), GAB(2396), GHA(2,3013), GNB(2), GUI(2), IVO(2), NGA(2), PRI(2750), RIM(10), SIE(2), UGA(42,50,115), ZIM(2).
Leptolejeunea convexistipa Bischl. 1969 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
Leptolejeunea degelii S.W.Arnell 1962 = *Diplasiolejeunea symoensi* Vanden Berghen 1960 (Vanden Berghen 1972a).
- *** *Leptolejeunea elliptica* (Lehm. et Lindenb.) Besch. COM(1). Recent molecular study (Bechteler *et al.* 2016) suggests *L. elliptica* may be restricted to the neotropics.
- *** *Leptolejeunea epiphylla* (Mitt.) Steph. ANG(2848), CMN(2), COM(1), CON(2), DRC(2,130), GHA(2), GUI(2), IVO(2), KEN(2), MAU(1,4,2170), MDG(720), NGA(2), PRI(2750), RIM(10), SAO(2,2684), SEY(4,108), SIE(2), TAN(2,736), UGA(42).
- *** *Leptolejeunea maculata* (Mitt.) Schiffn. ANG(2848), BIO(1778), CMN(2), COM(1,4), DRC(2,130), GAB(2), GHA(2,3013), GUI(2), IVO(2), KEN(2,731), MAU(1,2170), NGA(2), PRI(2750), REU(2328), RIM(10), ROD(723), SAO(2,2684), SEY(1,4,108), SIE(2), TAN(2), TOG(2), UGA(42,50,96). Recent molecular study (Bechteler *et al.* 2016) has found three independent lineages in *L. maculata* sens. lat., and placed sampled material from Mayotte, Comoro Islands, under *L. schiffneri* Steph. No other African material was sampled.
Leptolejeunea madagascariensis Steph. 1913 = *Drepanolejeunea madagascariensis* (Steph.) Grolle 1974 (Grolle 1976a).
Leptolejeunea mascarena Steph. 1913 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
Leptolejeunea papuliflora Steph. 1913 = *Leptolejeunea quintasii* Steph. 1891 (Vanden Berghen 1953b) = *Leptolejeunea epiphylla* (Mitt.) Steph. 1913 (Tixier 1995).
Leptolejeunea perforata (Schiffn.) Schiffn. 1897 = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).
Leptolejeunea quintasii Steph. 1891 = *Leptolejeunea epiphylla* (Mitt.) Steph. 1913 (Tixier 1995). Vanden Berghen (1977) considered that *L. epiphylla* is perhaps synonymous with *L. quintasii*, and Tixier (1995) treated them as synonymous without further comment.
Leptolejeunea quintasii var. *mascarenica* S.W.Arnell 1965, nom. inval. = *Leptolejeunea epiphylla* (Mitt.) Steph. 1913 (Bizot & Pócs 1974).
Leptolejeunea repanda (Schiffn.) Steph. 1913 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
Leptolejeunea schiffneri Steph. - see note under *L. maculata*.
- ** *Leptolejeunea subdentata* Schiffn. ex Herzog COM(2366).
- *** *Leptolejeunea subrotundifolia* Herzog MDG(2785).
Leptolejeunea symoensi Vanden Berghen 1961 = *Drepanolejeunea symoensi* (Vanden Berghen) Grolle 1976 (Grolle 1976a).
Leptolejeunea thomeensis (Steph.) Steph. 1913 = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
Leptolejeunea trematodes (Nees) Steph. 1913 = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).
Leptolejeunea triocellata Steph. 1913 = *Drepanolejeunea trematodes* (Nees) Bischl. 1968 (Grolle 1976a).
Leptolejeunea truncatiflora Steph. 1911 = *Leptolejeunea astroidea* (Mitt.) Steph. 1913 (Vanden Berghen 1953b).

- Leptolejeunea truncatiloba* Steph. 1892 = *Leptolejeunea thomeensis* (Steph.) Steph. (Vanden Berghen 1963a) = *Leptolejeunea maculata* (Mitt.) Schiffn. 1898 (Grolle 1976a).
- *** ***Leptolejeunea vitrea*** (Nees) Schiffn. MDG(2498), MAS, with doubt(1).
Leptoscyphus bewsii Sim 1926 = *Lophocolea bewsii* (Sim) Grolle 1959 (Grolle 1963a).
- *** ***Leptoscyphus diversifolius*** (Gottsche) Grolle (E) SAF(2,2713).
- *** ***Leptoscyphus expansus*** (Lehm.) Grolle DRC(2), KEN(731), LES(75), MDG(1), MLW(29), RWA(2,2864), SAF(2,2713), ZIM(2).
Leptoscyphus gottscheanus (Lindenb. ex Lehm.) Gottsche 1858 = *L. expansus* (Lehm.) Grolle 1963 (Arnell 1955, Grolle 1963a).
- *** ***Leptoscyphus hedbergii*** (S.W.Arnell) R.M.Schust. (E) DRC(2), KEN(2,731), RWA(2,2864), TAN(2), UGA(2,96,2713).
Leptoscyphus henkelii Sim 1926 = *Heteroscyphus grandistipus* subsp. *henkelii* (Sim) Grolle (Grolle 1963a).
- *** ***Leptoscyphus infuscatus*** (Mitt.) E.W.Jones ex Grolle (E) BIO(2,33,36,2713), CMN(2), DRC(2), ETH(2), MDG(720), MLW(2,29), REU(1,4), RWA(2,2864), TAN(2), UGA(2,96), ZIM(2).
Leptoscyphus iversenii (Pearson) Sim 1926 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
Leptoscyphus leightonii Sim 1926 = *Lophocolea newtonii* Steph. 1907 (Arnell 1955) = *Lophocolea congoana* Steph. in Renauld 1902/3 (Grolle 1959) = *Lophocolea martiana* Nees 1845 (Gradstein et al. 1983) = *Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström et al. 2013b).
Leptoscyphus stephensii Sim 1926 = *Lophocolea cuspidata* (Nees) Limpr. 1876 (Arnell 1955) = *Lophocolea bidentata* (L.) Dumort. 1835 (Smith 1990).
- ** ***Lethocolea congesta*** (Lehm.) S.W.Arnell (E) COM(1,4), DRC(2), KEN(2), LES(75), REU(1,4), RWA(2,2864), SAF(2), TAN(2), UGA(2).
Leucolejeunea knysnana S.W.Arnell 1953 = *Leucolejeunea unciloba* (Lindenb.) A.Evans 1907 (Jones 1974a) = *Cheilolejeunea unciloba* (Lindenb.) Malombe 2009 (Malombe 2009).
Leucolejeunea rotalis (Hook.f. et Taylor) S.W.Arnell 1961 = *Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et P.Geissler 1997 (Gradstein & Geissler 1997) = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
Leucolejeunea rotundistipula (Lehm. et Lindenb.) A.Evans 1907 = *Cheilolejeunea rotundistipula* (Lindenb. ex Lehm.) Malombe 2009 (Malombe 2009).
Leucolejeunea unciloba (Lindenb.) A.Evans 1907 = *Cheilolejeunea unciloba* (Lindenb.) Malombe 2009 (Malombe 2009).
Leucolejeunea xanthocarpa (Lehm. et Lindenb.) A.Evans 1907 = *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe 2009 (Malombe 2009).
Lindigina renifolia Mitt. 1877 = *Gongylanthus renifolius* (Mitt.) Steph. 1906 (Stephani 1906).
Lindigina scariosa (Lehm.) Mitt. 1877 = *Gongylanthus scariosus* (Lehm.) Steph. 1906 (Stephani 1906).
Lophocolea amanica Steph. 1922 = *Lophocolea congoana* Steph. in Renauld 1902/3 (Grolle 1959) = *Lophocolea martiana* Nees 1845 (Gradstein et al. 1983) = *Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström et al. 2013b).
- * ***Lophocolea angustistipula*** Steph. (E) Reported only from St Helena (Stephani 1922). Overlooked in (2) and in earlier editions of this checklist. The Stephani Icones no. 5927 indicates that it may be a form of *L. humistrata* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees.
Lophocolea armatistipula Steph. 1911 = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones ex Grolle 1963 (Jones 1953c).
- ** ***Lophocolea ascensionis*** Steph. (E) ASC(2,3065).
- ** ***Lophocolea bewsii*** (Sim) Grolle (E) SAF(2).
- *** ***Lophocolea bidentata*** (L.) Dumort. BIO(2,33,36), BUR(2), CMN(2), CVI(2,37), DRC(2), ETH(2,2345), KEN(2,21,731), MAU(1), MDG(1,720), MLW(2,29), REU(1), RWA(2,2864), SAF(2), STH(49,2895), TAN(2), UGA(2,42,96). *L. bidentata* is a species complex with a complicated nomenclatural history, discussed in Váña & Engel (2013). African plants have also been variously assigned to *L. bidentata*, *L. cuspidata* and *Chiloscyphus latifolius* (*Lophocolea latifolia*), but the correct name(s) is unresolved.
Lophocolea bidentata sensu Sim 1926 = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959)
Lophocolea bidentata var. *δ capensis* Gottsche, Lindenb. et Nees 1845 = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959).
Lophocolea borbonica Steph. 1890 = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959).

- Lophocolea cagnii* Gola 1907 = *Lophocolea difformis* Nees 1845 (Arnell 1957b).
Lophocolea cambouena Steph. 1907 = *Lophocolea subrotunda* Mitt. 1879 (Jones 1953c) = *Lophocolea concreta* Mont. 1845 (Grolle 1959).
- ** ***Lophocolea concreta*** Mont. ANN(2,33), BIO(1718), BUR(2), DRC(2), ETH(2345), GHA(2), KEN(2,2066), LES(75), MAU(1,2170), MDG(1,720), MLW(2,29), NGA(2), REU(1), ROD(1,723), RWA(130,2864), SAF(2,75), SIE(2), SWZ(2), TAN(2), TOG(2), UGA(42,50), ZAM(2), ZIM(2). Recently reported from India, otherwise endemic to sub-Saharan Africa.
Lophocolea congoana Steph. 1905 = *Lophocolea martiana* Nees 1845 (Gradstein *et al.* 1983) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström *et al.* 2013b).
Lophocolea connata (Sw.) Mont. et Nees 1839. The name has historically been misapplied to some African collections (Jones 1953c). The records of this neotropical species from Mauritius (Gottsche 1845) and elsewhere probably represent *L. martiana* Nees.
Lophocolea cuspidata (Nees) Limpr. 1876 = *Lophocolea bidentata* (L.) Dumort. 1835 (Grolle 1983b).
Lophocolea devexa Mitt. 1863 = *Conoscyphus trapezoides* (Sande Lac.) Schiffn. 1898 (Schiffner 1898, Jones & Harrington 1983).
- ** ***Lophocolea difformis*** Nees Ⓢ ANG(2848), BIO(2,33,36), CAF(2), CMN(2), DRC(2), ETH(2,2345), GHA(2), IVO(51), KEN(2,731), LES(75), MAU(4), MDG(720), MLW(2,29), NGA(2), REU(1), RWA(2,2864), SAF(2,75), SAO(2,2684), SIE(2), TAN(2), TOG(2), UGA(2,96), ZIM(2).
Lophocolea diversifolia Gottsche 1845 = *Leptoscyphus diversifolius* (Gottsche) Grolle 1963 (Grolle 1963a).
Lophocolea diversifolia sensu Sim 1926 [non Gottsche 1845] = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959).
Lophocolea dusenii Steph. 1907 = *Lophocolea congoana* Steph. 1905 [= *Cryptolophocolea martiana* subsp. *martiana* **(Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013] or *Lophocolea opposita* Mitt. 1879 [= *Lophocolea lucida* (Spreng.) Mont. 1839] (Jones 1953c).
Lophocolea elliotii Steph., nom. inval. Reported from South Africa by Stephani (1913a); the name treated as a typographical error for *L. scott-elliottii* Steph. by Bonner in Index Hepaticarum 10: 90. 1985.
Lophocolea esterhuyseii S.W.Arnell ex E.W.Jones 1953 = *Lophocolea bewsii* (Sim) Grolle 1959 (Grolle 1959).
Lophocolea expansa (Lehm.) Drège 1843 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
Lophocolea fasciculata (Nees) S.W.Arnell et Grolle 1959 = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Grolle 1960a, Engel 1980).
- *** ***Lophocolea fragrans*** (Moris et De Not.) Gottsche, Lindenb. et Nees COM(1), DRC(2), MLW(29), REU(1), SAF(2), TAN(2).
Lophocolea frappieri Steph. 1907 = *Lophocolea fragrans* (Moris et De Not.) Gottsche, Lindenb. et Nees 1845 (Grolle 1959).
Lophocolea hians Steph. 1901 perhaps = *Lophocolea lucida* (Spreng.) Mont. 1839 (Jones 1953c).
- ** ***Lophocolea humistrata*** (Hook.f. et Taylor) Gottsche, Lindenb. et Nees Ⓢ STH(2,2895).
Lophocolea inflata Steph. 1911 = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones ex Grolle 1963 (Jones 1953c).
Lophocolea integrifolia Steph. 1892 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1995).
Lophocolea lepervanchei Steph. 1906 = *Chiloscyphus lepervanchei* (Steph.) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984).
Lophocolea lilliana Steph. 1922 = *Chiloscyphus lillienus* (Steph.) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea lilliana* (Steph.) L.Söderstr. 2013 (Söderström *et al.* 2013b).
Lophocolea longifolia Steph. 1890 = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959).
Lophocolea longispica Steph. 1892 = *Lophocolea cuspidata* (Nees) Limpr. 1876 (Jones 1953c) = *Lophocolea bidentata* (L.) Dumort. 1835 (Smith 1990).
- ** ***Lophocolea lucida*** (Spreng.) Mont. Ⓢ CMN(2), COM(1), DRC(2), ETH(2345), MAU(2170), MDG(1,720), MLW(2,29), REU(1), ROD(1), SAF(2), SEY(1), TAN(2), UGA(96), ZAM(2).
Lophocolea macleana Steph. 1907 = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959).
- ** ***Lophocolea madagascariensis*** Gottsche Ⓢ Known only from the type from Madagascar (Gottsche 1882).
Lophocolea magnistipula S.W.Arnell 1954 = *Lophocolea semiteres* (Lehm.) Mitt. 1877 (Grolle 1959).
Lophocolea martiana Nees 1845 = *Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström *et al.* 2013b).
- *** ***Lophocolea minor*** Nees The report from Réunion (Arnell 1965) of this Laurasian species requires verification (Grolle 1995).
Lophocolea moelleri Steph. 1886 = *Lophocolea difformis* Nees 1845 (Grolle 1959).

* *Lophocolea mollis* (Nees) Nees The location is given as "îles austro-africaines de l'Indien Océan" by Stephani, in Renauld & Cardot (1891). There are no other African records. *L. mollis*, a widespread tropical Asian species, is close to *Lophocolea diffiformis* and may be conspecific (Grolle (1995).

** *Lophocolea muhavurensis* (S.W.Arnell) S.W.Arnell ex Pócs Ⓣ KEN(2), MDG(2785), RWA(2864), TAN(2), UGA(2).

*** *Lophocolea muricata* (Lehm.) Nees BIO(33,36,72), BUR(2), CMN(2), COM(1), DRC(2,130), ETH(2,2345), MDG(1,720), MLW(29), MOZ(2), REU(1), RWA(2,130,2864), SAF(2), TAN(2), UGA(2,42,50,96), ZIM(2).

Lophocolea muricata var. *major* Pearson [Pearson 1892]. Although the variety was described by Pearson, he considered it merely a 'form' of the species. It has not been recognised since.

Lophocolea newtonii Steph. 1907 = *Lophocolea congoana* Steph. in Renauld 1902/3 (Grolle 1959) = *Lophocolea martiana* Nees 1845 (Gradstein et al. 1983) = *Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström et al. 2013b).

Lophocolea obscura Steph. 1907 = *Lophocolea opposita* Mitt. 1879 (Jones 1953c) = *Lophocolea lucida* (Spreng.) Mont. 1839 (Arnell 1955).

Lophocolea occidentalis Steph. 1922 = *Heteroscyphus dubius* (Gottsche) Schiffn. 1910 (Jones 1953c).

Lophocolea onraedtii Grolle 1984 = *Chiloscyphus regularis* Steph. 1893 [*non Lophocolea regularis* Steph. 1906] (Grolle 1984) = *Cryptolophocolea regularis* (Steph.) L.Söderstr. 2013 (Söderström et al. 2013b).

Lophocolea opposita Mitt. 1879 = *Lophocolea lucida* (Spreng.) Mont. 1839 (Arnell 1955).

Lophocolea ovistipula Herzog 1952 = *Lophocolea subintegra* (Hook.f. et Taylor) Grolle 1959 (Grolle 1959) = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Grolle 1960a).

Lophocolea rehmannii Steph. 1892 = *Lophocolea subrotunda* Mitt. 1879 (Jones 1953c) = *Lophocolea concreta* Mont. 1845 (Grolle 1959).

Lophocolea rubescens Steph. 1890 = *Lophocolea opposita* Mitt. 1879 (Jones 1953c) = *Lophocolea lucida* (Spreng.) Mont. 1839 (Arnell 1955).

Lophocolea scott-elliottii Steph. 1907 = *Lophocolea cuspidata* (Nees) Limpr. 1876 (Jones 1953c) = *Lophocolea bidentata* (L.) Dumort. 1835 (Smith 1990).

*** *Lophocolea semiteres* (Lehm.) Mitt. SAF(2), ZIM(2859).

Lophocolea setacea Steph. 1892 = *Lophocolea cuspidata* (Nees) Limpr. 1876 (Jones 1953c) = *Lophocolea bidentata* (L.) Dumort. 1835 (Smith 1990).

Lophocolea setacea sensu Sim 1926 [*non Steph. 1892*] = *Lophocolea moelleri* Steph. 1886 (Jones 1953c) = *Lophocolea difformis* Nees 1845 (Grolle 1959).

Lophocolea silvestris Gottsche Reported from Madagascar by Gottsche (1882). Apparently no original material is extant, and the species is not included in Stephani's Icones; it is therefore treated as a *nomen dubium* (Grolle 1995).

Lophocolea sylvestris Gottsche ex Steph. 1907, nom. inval. = *Lophocolea silvestris* Gottsche 1882.

Lophocolea spiniflora Steph. 1907 = *Lophocolea muricata* (Lehm.) Nees 1845 (Grolle 1959).

Lophocolea staudtiana Steph. 1907 = *Lophocolea congoana* Steph. 1905 (Jones 1953c) = *Lophocolea martiana* Nees 1845 (Gradstein et al. 1983) = *Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust. 1984 (Engel & Schuster 1984) = *Cryptolophocolea martiana* subsp. *martiana* (Nees) L.Söderstr., Crand.-Stotl. et Stotler 2013 (Söderström et al. 2013b).

Lophocolea subintegra (Hook.f. et Taylor) Grolle 1959 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Grolle 1960a, Engel 1980).

Lophocolea subrotunda Mitt. 1879 = *Lophocolea concreta* Mont. 1845 (Grolle 1959).

Lophocolea subulistipa Herzog 1952 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Grolle 1960a, Engel 1980).

Lophocolea vermicularis Herzog 1952 = *Lophocolea fasciculata* (Nees) S.W.Arnell et Grolle in Grolle 1959 (Grolle 1959) = *Clasmatocolea fasciculata* (Nees) Grolle 1960 (Engel 1980).

Lopholejeunea abbreviata (Mitt.) Steph. 1912 = *Archilejeunea abbreviata* (Mitt.) Vanden Berghen 1951 (Vanden Berghen 1951c) = *Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015b).

Lopholejeunea abortiva (Mitt.) Steph. 1912 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).

Lopholejeunea abortiva var. *alata* Vanden Berghen 1984 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Grolle 1995).

Lopholejeunea abortiva var. *fragilis* (Steph.) Vanden Berghen 1984 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).

Lopholejeunea angustiflora Steph. 1912 = *Lopholejeunea euplopha* (Taylor) Schiffn. 1893 (Vanden Berghen 1978a).

Lopholejeunea atra (Mitt.) Steph. 1895 = *Acanthocoleus aberrans* (Lindenb. et Gottsche) Kruijt 1988 (Kruijt 1988).

Lopholejeunea boivinii Steph. 1912 = *Lopholejeunea subfusca* (Nees) Schiffn. 1897 (Vanden Berghen 1984a).

** *Lopholejeunea borbonica* Steph. Ⓣ COM(1), MDG(1,720), REU(1). The record from Tanzania

- (Stephani 1912b) was not accepted by Vanden Berghen (1984).
Lopholejeunea camerunensis Steph. 1911, nom. nud = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898
(Vanden Berghen 1984a, Gradstein 1994).
- *** *Lopholejeunea erugata* B.M.Thiers (E) MDG(1).
- *** *Lopholejeunea eulopha* (Taylor) Schiffn. COM(1), MAU(1,2170), MDG(1,720), REU(1),
RWA(2,2864), SEY(1), TAN(2).
Lopholejeunea fimbriata (Gottsche) Pearson 1892 = *Lopholejeunea eulopha* (Taylor) Schiffn. 1893 (Verdoorn 1934, Thiers & Gradstein 1989).
Lopholejeunea fragilis Steph. 1912 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
Lopholejeunea gabonensis Vanden Berghen 1973 = *Lopholejeunea subfusca* (Nees) Schiffn. 1897 (Zhu & Gradstein 2003).
- ** *Lopholejeunea grandicrista* Steph. (E) MDG(1,720), REU(1).
Lopholejeunea intermedia (Lindenb.) Steph. 1912 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Mizutani 1979).
- ** *Lopholejeunea jonesii* Vanden Berghen (E) BIO(2,33), CMN(2), IVO(2), NGA(2), SIE(2).
Lopholejeunea kilimanjarica E.W.Jones 1957 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Vanden Berghen 1984a).
Lopholejeunea laceriloba Steph. 1923 = *Lopholejeunea eulopha* (Taylor) Schiffn. 1893 (Verdoorn 1934, Vanden Berghen 1984a).
- ** *Lopholejeunea laciniata* E.W.Jones (E) MLW(563), TAN(2), ZIM(2).
- *** *Lopholejeunea leioptera* Gyarmati (E) MDG(708,720).
- ** *Lopholejeunea lepidoscypha* Kjaer et Pearson (E) MDG(1).
- ** *Lopholejeunea minima* Vanden Berghen (E) REU(1).
Lopholejeunea moenkemeyeri Steph. 1912 = *Lopholejeunea subfusca* (Nees) Schiffn. 1897 (Vanden Berghen 1984a).
- * *Lopholejeunea multilacera* Steph. (E) MAU(1,2170), MDG(1), REU(1).
- *** *Lopholejeunea nigricans* (Lindenb.) Schiffn. ANG(2848), (BIO(2,33), BUR(2), CAF(2), CMN(2), CON(2), DRC(2), ETH(2,2345), GAB(2), GHA(2,3013), GUI(2), IVO(2,53), MAU(1), MDG(1), MLW(2,563), MOZ(2,2736), NGA(2), PRI(2374), REU(1), RIM(10), ROD(1,723), RWA(2,2864), SAF(2,75), SAO(2374), SEY(1,2021), SIE(2), TAN(2), TOG(2), ZAM(2), ZIM(2).
- * *Lopholejeunea obtusilacera* Herzog (E) CMN(2), IVO(2), NGA(2).
- ** *Lopholejeunea onraeditii* Vanden Berghen (E) MDG(1).
Lopholejeunea palustris (Sim) S.W.Arnell 1953 = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
- * *Lopholejeunea paramultilacera* Vanden Berghen (E) REU(1).
- * *Lopholejeunea quinquecarinata* Vanden Berghen (E) MDG(1), REU(1), TAN(2).
- ** *Lopholejeunea revoluta* E.W.Jones (E) UGA(2,50).
Lopholejeunea sinuata (Mitt.) Steph. 1912 = *Lopholejeunea sphaerophora* (Lehm. et Lindenb.) Steph. 1912 (Thiers 1983).
- ** *Lopholejeunea sphaerophora* (Lehm. et Lindenb.) Steph. (E) MAU(1,977), MDG(2785).
Specimens from Tanzania are sterile, and are probably another species (Vanden Berghen 1984).
- *** *Lopholejeunea subfusca* (Nees) Schiffn. ANG(2), ANN(2,33), BIO(2,33), CAF(2), CMN(2), COM(1), DRC(2), GAB(2,1856), GHA(2,3013), GUI(2), IVO(2,53), KEN(2), MAU(1,2170), MDG(1,720), NGA(2), PRI(2374), REU(1,2), RIM(10), RWA(2), SAF(2), SAO(2750), SEY(1,2021), SIE(2), TAN(2), TOG(2,101), UGA(96,115), ZIM(2859).
- ** *Lopholejeunea subfusca* var. *elongata* Vanden Berghen (E) SEY(1).
Lopholejeunea subinermis Steph. 1895 probably = *Lopholejeunea abortiva* (Mitt.) Steph. 1912 (Vanden Berghen 1984a) = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
- * *Lopholejeunea tixeriana* Vanden Berghen (E) MDG(1).
- ** *Lopholejeunea utriculata* Steph. (E) MDG(1).
Lopholejeunea vermoesenii Pearson 1922 probably = *Lopholejeunea abortiva* (Mitt.) Steph. 1912 (Vanden Berghen 1984a) = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
Lopholejeunea zenkeri Steph. 1912 = *Lopholejeunea abortiva* (Mitt.) Steph. 1912 (Vanden Berghen 1984a) = *Lopholejeunea nigricans* (Lindenb.) Schiffn. 1898 (Gradstein 1994).
Lophozia aberrans (Nees et Mont.) Steph. 1901 = *Andrewsianthus aberrans* (Nees et Mont.) Grolle 1963 (Grolle 1995).
- *** *Lophonardia jamesonii* (Mont.) L.Söderstr. et Váňa DRC(2), KEN(2), RWA(2,2864),

TAN(2), UGA(2,1426).

*** ***Lophonardia laxifolia*** (Mont.) L.Söderstr. et Váňa LES(75), SAF(2).

Lophozia argentina (Steph.) R.M.Schust. 1966 = *Lophonardia laxifolia* (Mont.) L.Söderstr. et Váňa 2013 (Söderström *et al.* 2013a).

Lophozia capensis S.W.Arnell 1953 = *Gymnocoleopsis capensis* (S.W.Arnell) R.M.Schust. 1995.(Schuster 1995b).

Lophozia decolorans (Limpr.) Steph. 1902 = *Isopaches decolorans* (Limpr.) H.Buch 1932 (Konstantinova *et al.* 1992).

Lophozia excisa (Dicks.) Dumort. 1835 = *Lophoziopsis excisa* (Dicks) Konstant. et Vilnet 2009 (Konstantinova & Vilnet 2009).

* ***Lophozia hedbergii*** S.W.Arnell ② LES(75), UGA(2). Váňa & Watling (2004c) commented that "it seems that *L. hedbergii* is only a modification of *L. [Lophoziopsis] excisa*".

Lophozia incisa (Schrad.) Dumort. 1835. The plant from Rwanda that was named *L. incisa* in Váňa, Pócs & De Sloover (1979) is *Lophozia jamesonii* (Váňa 1982, Gradstein *et al.* 1983).

Lophozia jamesonii (Mont.) R.M.Schust. = *Lophonardia jamesonii* (Mont.) L.Söderstr. et Váňa 2013 (Söderström *et al.* 2013a).

Lophozia kilimanjarica S.W.Arnell 1956 = *Andrewsianthus jamesonii* (Mont.) Váňa 1983 (Gradstein *et al.* 1983). Schuster (2002) treated *L. kilimanjarica* as a distinct species.

Lophozia kinangopii Gola 1914 = *Isotachis aubertii* (Schwägr.) Mitt. 1886 (Váňa 1982).

Lophozia madagascariensis Steph. 1917 = *Cylindrocolea madagascariensis* (Steph.) R.M.Schust. 1969 (Schuster 1973).

Lophozia montaguensis S.W.Arnell 1954 = *Lophozia argentina* (Steph.) R.M.Schust. 1966 (Váňa 1982).

Lophozia multiflora Steph. 1917 = *Gymnocoleopsis cylindriformis* (Mitt.) R.M.Schust. 1995 (Váňa 2013a).

Lophozia ruwenzorensis S.W.Arnell 1956 = *Andrewsianthus bilobus* (Mitt.) Grolle 1963 (Váňa 1982).

*** ***Lophoziopsis excisa*** (Dicks.) Konstant. et Vilnet UGA(2,1426).

*** ***Lunularia cruciata*** (L.) Dumort. ex Lindb. BOT(2195), CMN(48), CVI(2), DRC(2), ERI(2), ETH(2,113), KEN(2,71,665), MAU(2170), MLW(2,114), NAM(2), REU(2129), RWA(2,2864), SAF(2,1132), TAN(2), UGA(2,42,96), ZIM(2).

Lunularia vulgaris Raddi 1818, nom. illeg. = *Lunularia cruciata* (L.) Dumort. ex Lindb. 1822 (Schuster 1992b).

Madotheca abyssinica Nees 1845 = *Porella abyssinica* (Nees) Trevis. 1877 (Jones 1963).

Madotheca capensis Gottsche 1845 = *Porella capensis* (Gottsche) Mitt. 1886 (Jones 1963).

Madotheca cucullistipula (Steph.) Paris 1903 = *Porella cucullistipula* Steph. 1893 (Jones 1963).

Madotheca hoehneliana Steph. 1895 = *Porella hoehnelii* Steph. 1891 (Jones 1963) = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).

Madotheca katangae Gola 1920 = *Porella abyssinica* (Nees) Trevis. 1877 (Vanden Berghen 1972b).

Madotheca keniana Steph. 1924 = *Porella hoehnelii* Steph. 1891 (Jones 1963) = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).

Madotheca lobata Steph. 1910 = *Porella montantii* (Steph.) E.W.Jones 1963 (Jones 1963).

Madotheca madagascariensis (Nees et Mont.) Gottsche, Lindenb. et Nees 1845 = *Porella madagascariensis* (Nees et Mont.) Trevis. 1877 (Grolle 1995).

Madotheca matongae Herzog 1952 = *Porella vallis-gratiae* (Gottsche ex Steph.) E.W.Jones 1963 (Grolle 1965).

Madotheca mattirolii Gola 1914 = *Porella mattirolii* (Gola) S.W.Arnell 1960, nom. illeg. (Jones 1963).

Madotheca montantii Steph. 1910 = *Porella montantii* (Steph.) E.W.Jones 1963 (Jones 1963).

Madotheca nilgeriensis Mont. 1842 = *Porella nilgeriensis* (Mont.) Trevis. 1877 (Grolle 1995).

Madotheca ovifolia Steph. 1910 = *Porella triquetra* (Steph.) E.W.Jones 1963 (Jones 1963).

Madotheca prolixa Gottsche ex Steph. 1910 = *Porella prolixa* (Gottsche) E.W.Jones 1963 (Jones 1963).

Madotheca schroederi Steph. 1924 = *Porella hoehnelii* Steph. 1891 (Jones 1963) = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).

Madotheca steudneri Gottsche 1867, nom. inval. = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).

Madotheca subdentata Mitt. 1863 = *Porella subdentata* (Mitt.) Steph. 1891 (Jones 1963).

Madotheca thomeensis Steph. 1910 = *Porella subdentata* (Mitt.) Steph. 1891 (Jones 1963).

Madotheca triquetra Steph. 1895 = *Porella triquetra* (Steph.) E.W.Jones 1963 (Jones 1963).

Madotheca vallis-gratiae Gottsche ex Steph. 1910 = *Porella vallis-gratiae* (Gottsche ex Steph.) E.W.Jones 1963 (Jones 1963).

Madotheca vastifolia Steph. 1910 = *Porella triquetra* (Steph.) E.W.Jones 1963 (Jones 1963).

*** ***Mannia androgyna*** (L.) A.Evans CHA(2,3), CVI(2,37,2715), ERI(2), ETH(2), KEN(2066,2107), NAM(2,1132,2715), RWA(2864,2938), SAF(2,1132,2715), SOC(746), TAN(2,2715), ZAM(2), ZIM(2,2715).

*** ***Mannia californica*** (Gottsche) L.C.Wheeler LES(2715), NAM(2715), SAF(2715), TAN(2715).

Mannia capensis (Steph.) S.W.Arnell 1957 = *Mannia androgyna* (L.) A.Evans 1938 (Schill 2006).

- Mannia capensis* var. *pallida* S.W.Arnell 1963 = *Mannia androgyna* (L.) A.Evans 1938 (Schill 2006).
Mannia dichotoma S.W.Arnell 1961, nom. illeg. = *Mannia androgyna* (L.) A.Evans 1938 (Grolle 1968b).
Marchantia androgyna L. 1753 = *Mannia androgyna* (L.) A.Evans 1938 (Grolle 1968b).
- * ***Marchantia balboi*** Gola 1914. Described from Kenya by Gola (1914). Bischler-Causse (1993) commented that the type could not be located, and the description is too scanty to make a determination.
 - * ***Marchantia balboi* var. *acutisquamata*** Gerola 1947. The variety was described from Ethiopia. Bischler-Causse (1993) commented that the type could not be located, but that the descriptions indicates an affinity with *M. pappeana* Lehm.
 - Marchantia balboi* var. *amassina* Gerola 1947, nom. inval. = *Marchantia balboi* var. *acutisquamata* Gerola 1947 (Bischler-Causse 1993).
 - Marchantia balboi* var. *armatissima* Cufod. 1952, nom. inval. = *Marchantia balboi* var. *acutisquamata* Gerola 1947 (Bischler-Causse 1993).
 - *** ***Marchantia berteroana*** Lehm. ASC(2,3065), SAF(2), STH(2,1132,2895), ZIM(2). Not reported on Ascension Island since 1904 (Pressel *et al.* 2018).
 - Marchantia berteroana* var. *anactis* Gottsche 1846 = *Marchantia berteroana* Lehm. 1834 (Bischler-Causse 1993).
 - * ***Marchantia cagnii*** Gola Known only from the Uganda type (Gola 1907). Bischler-Causse 1993 commented that the collection could not be located, but judging by the description, it might belong to *M. palaeacea* Bertol.
 - * ***Marchantia cengiana*** Gerola Described from Ethiopia (Gerola 1947). Bischler-Causse 1993 commented that the type could not be located, but the description indicates an affinity with *M. pappeana* Lehm.
 - Marchantia chevalieri* Steph. ex Bonner 1953 = *Marchantia debilis* K.I.Goebel 1915 (Bischler-Causse 1993).
 - Marchantia contracta* Bisch. ex C.Krauss 1846 = *Marchantia berteroana* Lehm. 1834 (Bischler-Causse 1993).
 - Marchantia crassa* A.Richard 1834 = *Marchantia berteroana* Lehm. 1834 (Bischler-Causse 1993).
 - Marchantia cruciata* L. 1753 = *Lunularia cruciata* (L.) Dumort. ex Lindb. 1822 (Grolle 1983a).
 - *** ***Marchantia debilis*** K.I.Goebel Ⓢ ANG(2,822), BIO(1718), BUR(2), CHA(2), CMN(2), COM(1), CON(2), DRC(2), GAB(2), GHA(2), GUI(2), IVO(2), LES(2,75, 1132), MDG(1), MLW(2), NGA(2), RWA(2,2864), SAF(2,75,1132), SAO(2684), SIE(2), SWZ(2,1132), TAN(2), TOG(2), UGA(2,42), ZAM(2), ZIM(2).
 - Marchantia flavescens* Steph. ex Bonner 1953 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - *** ***Marchantia globosa*** Brid. Ⓢ COM(1), MAU(1,2170), REU(1).
 - Marchantia hemisphaerica* L. 1753 = *Reboulia hemisphaerica* (L.) Raddi 1818 (Grolle 1983a).
 - Marchantia hirsuta* Sw. 1788 = *Dumortiera hirsuta* (Sw.) Nees 1824 (Perold 1993a).
 - * ***Marchantia keniae*** Gola Described from Kenya (Gola 1914). Bischler-Causse 1993 commented that the type could not be located, but the description might fit *M. pappeana* Lehm.
 - Marchantia marginata* (Nees) Lehm. 1823 [non Steph. ex Bonner 1953] = *Asterella marginata* (Nees) S.W.Arnell 1963 (Bischler-Causse 1993, Perold 1994c).
 - *** ***Marchantia paleacea*** Bertol. CVI(2,37), ETH(2), REU(1), SAF(2,1132).
 - *** ***Marchantia pappeana*** Lehm. subsp. ***pappeana*** Ⓢ ANG(2), ASC(3059,3065), BIO(2,33,36), BUR(2), CMN(2), COM(1), CON(2), CVI(2,20,37), DRC(2), ETH(2), GHA(2), GUI(2), IVO(2), KEN(2,665,731), LES(2,75,1132), MAU(2170), MDG(1), MLW(2,114), RWA(2,2864), SAF(2,75,1132), SAO(2,2684), SIE(2), SWZ(2,1132), TAN(2,2857), TOG(2), UGA(2,96), ZAM(2), ZIM(2).
 - * ***Marchantia papyruscea*** Gola Known only from the Uganda type (Gola 1907). Bischler-Causse 1993 commented that the collection could not be located, but that it might represent *M. pappeana* Lehm.
 - Marchantia parviloba* Steph. 1895 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - Marchantia planiloba* Steph. 1886 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - Marchantia planiloba* subsp. *walteri* Burgeff 1943 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993)
 - *** ***Marchantia polymorpha*** L. agg. BUR(2), DRC(132,156,1492), ETH(2), KEN(2,7,132), REU(2), RWA(2), TAN(2), UGA(7,132). Reported in Frahm, Lindlar *et al.* (1996) as occurring in the Cape Verde Islands, but the specimen to which they referred (*Chevalier H23*) is identified by Bischler-Causse (1993) as *M. paleacea*.
 - *** ***Marchantia polymorpha*** subsp. ***montivagans*** Bischl. et Boissel.-Dub. ETH(1002), KEN(132),

RWA(132,2864), TAN(132), UGA(96,132). Bischler-Causse (1993) stated that "the tropical African specimens from high mountains [in Kenya, Rwanda, Tanzania and Uganda] agree with subsp. *montivagans*", but indicated that further analysis was required for confirmation.

- *** ***Marchantia polymorpha*** subsp. *ruderale* Bischl. et Boissel.-Dub. RWA(2864,2938), SAF(1066). The report from Zimbabwe (Manyanga & Perold 2004) should probably be referred to subsp. *ruderale*.
- * ***Marchantia sellae*** Gola Known only from the type from Uganda (Gola 1907). Bischler-Causse 1993 commented that the specimen could not be located.
 - Marchantia spathysii* Lindenb. 1829 = *Athalamia spathysii* (Lindenb.) S.Hatt. 1954 (Grolle 1976b).
 - Marchantia stephanii* Vanden Berghe 1954 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - Marchantia syngenesica* Bory 1804 = *Asterella syngenesica* (Bory) Grolle 1974 (Grolle & Onraedt 1974, Grolle 1995).
 - Marchantia tabularis* Nees 1838 = *Marchantia berteroana* Lehm. 1834 (Bischler-Causse 1993).
- * ***Marchantia tusii*** Gola Known only from the type from Kenya (Gola 1914a). Bischler-Causse 1993 commented that the type could not be located, but it might belong to *M. pappeana* Lehm.
 - Marchantia umbellata* Steph. 1895, hom. illeg. [non Scopoli 1772] = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - Marchantia viridula* Lehm. et Lindenb. 1857 = *Marchantia globosa* Brid. 1815 (Bischler-Causse 1993).
 - Marchantia wilmsii* Steph. 1892 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - Marchantia winkleri* Steph. ex Bonner 1953 = *Marchantia pappeana* Lehm. subsp. *pappeana* 1857 (Bischler-Causse 1993).
 - Marchesinia acutiloba* (Hook.f. et Taylor) Trevis. 1877 = *Phragmicomia acutiloba* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847 = *Marchantia brachiata* (Sw.) Schiffn. 1893 (Geissler & Gradstein 1994).
- *** ***Marchesinia brachiata*** (Sw.) Schiffn. KEN(2309), STH(2,2309,2895).
 - Marchesinia chrysophylla* (Lehm.) Steph. 1912 = *Acanthocoleus chrysophyllus* (Lehm.) Kruijt 1988 (Kruijt 1988).
- *** ***Marchesinia deslooveri*** Vanden Berghe ④ RWA(2,2864), TAN(2). Geissler (1997) placed the record from Tanzania under the name *Marchesinia* cf. *acutiloba*. In the same paper, she also placed *M. deslooveri* in brackets, indicating its status as a synonym. However, since no synonymy has been formally made, both records remain under *M. deslooveri* in this list.
- *** ***Marchesinia excavata*** (Mitt.) Schiffn. ④ ANN(2,33), BIO(2,33,72), CMN(2), DRC(2), GAB(2), GHA(2), GUI(2), IVO(2983), KEN(2,731), MDG(720), MLW(2), NGA(2), RIM(10), RWA(2864,2938), SAO(2,2684), SIE(2), SOC(558), TAN(2), TOG(2), UGA(776), ZAM(2).
- *** ***Marchesinia mackiae*** (Hook.) Gray CVI(124). The collection from Socotra reported in Kürschner (2000) was later redetermined as *M. excavata* (Kürschner 2001).
 - Marchesinia madagassa* Steph. 1912 = *Marchesinia nobilis* (Gottsche) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015a).
 - Marchesinia microscypha* (Hook.f. et Taylor) Trevis. 1877 = *Phragmicomia microscypha* (Hook.f. et Taylor 1845) Mitt. 1875 (Geissler & Bischler 1985) = *Cheilolejeunea microscypha* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
 - Marchesinia moelleriana* Pearson 1924 = *Marchesinia madagassa* Steph. 1912 (Pócs 1993b) = *Marchesinia nobilis* (Gottsche) X.Q.Shi, R.L.Zhu et Gradst. 2015 (Shi et al. 2015a).
- *** ***Marchesinia nobilis*** (Gottsche) X.Q.Shi, R.L.Zhu et Gradst. ④ BUR(2), CMN(2), COM(4), DRC(2), ETH(2345), GAB(2396), KEN(2,665,731), MDG(1), MLW(2,563), REU(1), SIE(2), TAN(2), ZIM(2). The plant from Mt Kasigau, Kenya reported in Bizot & Pócs (1974), is sterile and probably a *Lopholejeunea* (Geissler 1997).
 - Marchesinia obtusifolia* Vanden Berghe 1984 = *Marchesinia madagassa* Steph. 1912 (Grolle 1995).
 - Marchesinia pappeana* (Nees) Kuntze 1891 = *Schiffnerolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein & Vanden Berghe 1985).
- *** ***Marchesinia principensis*** Frank Müll. et Shevock PRI(3067).
 - Marsupella africana* Steph. ex Bonner 1953 = *Apomarsupella africana* (Steph. ex Bonner) R.M.Schust. 1996 (Schuster 1996) = *Gymnomitrion africanum* (Steph.) Horik. 1943 (Söderström, Hagborg, von Konrat et al. 2016).
 - Marsupella aurita* (Lehm.) Sim 1926 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1982).
 - Marsupella boeckii* var. *ruwenzorensis* S.W.Arnell 1957 = *Nardia arnelliana* Grolle 1964 (Grolle 1964b).
 - Marsupella capensis* S.W.Arnell 1957 = *Gymnomitrion andinum* (Herzog) Herzog 1934 (Váňa 1999) = *Gymnomitrion boliviannum* (Steph.) Váňa 2010 (Váňa et al. 2010).
- *** ***Marsupella emarginata*** (Ehrh.) Dumort. DRC(2), RWA(2,2864), TAN(2), UGA(2,96,1473).

- Marsupella hedbergii* S.W.Arnell 1956 = *Marsupella africana* Steph. ex Bonner 1953 (Váňa 1985) = *Apo-marsupella africana* (Steph. ex Bonner) R.M.Schust. 1996 (Schuster 1996) = *Gymnomitrion africanum* (Steph.) Horik. 1943 (Söderström, Hagborg, von Konrat *et al.* 2016).
- Marsupella integra* N.Kitag. 1967 = *Marsupella subintegra* S.W.Arnell 1956 (Váňa 1985).
- Marsupella lacerata* (Steph.) Váňa 2003 = *Gymnomitrion bolivianum* (Steph.) Váňa 2010 (Váňa *et al.* 2010a)
- *** ***Marsupella sparsifolia*** (Lindb.) Dumort. KEN(2785), SAF(2).
- Marsupella subintegra* S.W.Arnell 1956 = *Gymnomitrion subintegrum* (S.W.Arnell) Váňa (Váňa *et al.* 2010b).
- Marsupella subquadrata* Steph., in sched. et icones ined. = *Marsupella africana* Steph. ex Bonner 1953 (Váňa 1985) = *Apomarsupella africana* (Steph. ex Bonner) R.M.Schust. 1996 (Schuster 1996) = *Gymnomitrion africanum* (Steph.) Horik. 1943 (Söderström, Hagborg, von Konrat *et al.* 2016).
- Marsupidium brevifolium* Steph. 1908 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Engel & Grolle 1971, Grolle 1972) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).
- Marsupidium limbatum* (Steph.) Grolle 1965 = *Acrobolbus limbatus* (Steph.) Briscoe et J.J.Engel 2015 (Briscoe 2015).
- Mastigobryum borbonicum* Steph. 1885 = *Bazzania borbonica* Steph. 1894 (Jones 1975) = *Bazzania praeupta* (Reinw., Blume et Nees) Trevis. 1877 (Grolle 1995).
- Mastigobryum boschianum* Steph. 1924 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Arnell 1965).
- Mastigobryum comorensense* (Steph.) Steph. 1908 = *Bazzania comorensis* Steph. 1891. [*B. decrescens* complex]. (Grolle 1995).
- Mastigobryum convexum* Lindenb. 1845 = *Bazzania nitida* (F.Weber) Grolle 1960 (Grolle 1960b, Grolle 1995).
- Mastigobryum curvidens* (Steph.) Steph. 1908 = *Bazzania curvidens* Steph. 1891. [*B. decrescens* complex]. (Grolle 1995).
- Mastigobryum decrescens* (Lehm. et Lindenb.) Gottsche, Lindenb. et Nees 1845 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Grolle 1995).
- Mastigobryum exile* Lindenb. 1845 = *Acromastigum exile* (Lindenb.) A.Evans 1934 (Evans 1934).
- Mastigobryum fuscum* (Steph.) Besch. 1895 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Schuster 1969a, Grolle 1995).
- Mastigobryum integrum* (Nees et Mont.) Gottsche, Lindenb. et Nees 1845 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Schuster 1969a, Grolle 1995).
- Mastigobryum lacouturei* Steph. 1924 = *Bazzania lacouturei* (Steph.) S.W.Arnell, nom. inval.
- Mastigobryum laxifolium* Steph. 1911 = *Bazzania roccatii* Gola 1907 (Arnell 1956a).
- Mastigobryum madagassum* Steph. = *Bazzania madagassa* (Steph.) S.W.Arnell, nom. inval.
- Mastigobryum mascarenium* Steph. 1886 = *Bazzania mascarena* (Steph.) Herzog 1947. [*B. decrescens* complex]. (Grolle 1995).
- Mastigobryum molleri* Steph. 1886 = *Bazzania decrescens* subsp. *mollerii* (Steph.) E.W.Jones 1975 (Jones 1975).
- Mastigobryum novae-hollandiae* Nees 1845 = *Bazzania adnexa* (Lehm. et Lindenb.) Trevis. 1877 (Grolle 1995).
- Mastigobryum pellucidum* Steph. 1908 = *Bazzania decrescens* subsp. *mollerii* (Steph.) E.W.Jones 1975 (Jones 1975).
- Mastigobryum perrotanum* Steph. 1908 [non Steph. 1924] = *Bazzania mascarena* (Steph.) Herzog 1947 [*B. decrescens* complex] (Arnell 1965, Grolle 1995).
- Mastigobryum perrotanum* Steph. 1924, hom. illeg. [non Steph. 1908] = *Bazzania perrotana* E.W.Jones 1975 (Jones 1975).
- Mastigobryum pulvinatum* Steph. 1891 = *Bazzania decrescens* subsp. *pumila* (Mitt.) Pócs 1994 (Jones 1975, Pócs 1994b).
- Mastigobryum pumilum* (Mitt.) Steph. 1908 = *Bazzania decrescens* subsp. *pumila* (Mitt.) Pócs 1994 (Jones 1975, Pócs 1994b).
- Mastigobryum reflexum* Gottsche 1882 = *Bazzania reflexa* (Gottsche) Steph. 1891 (Jones 1975).
- Mastigobryum robertii* Steph. 1908 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Jones 1975, Grolle 1995).
- Mastigobryum schismoideum* Steph. 1888 = *Bazzania borbonica* Steph. 1894 (Jones 1975) = *Bazzania praeupta* (Reinw., Blume et Nees) Trevis. 1877 (Grolle 1995).
- Mastigobryum seychellarum* (Gottsche ex Steph.) Steph. 1908 = *Bazzania decrescens* (Lehm. et Lindenb.) Trevis. 1877 (Grolle 1978).
- Mastigobryum staudtianum* Steph. 1908 = *Bazzania decrescens* subsp. *mollerii* (Steph.) E.W.Jones 1975 (Jones 1975).
- Mastigobryum stephanii* J.B.Jack 1886 = *Bazzania stephanii* (J.B.Jack) Steph. 1891 (Grolle 1995) = *Bazzania nitida* (F.Weber) Grolle 1960 (Jones 1975).
- Mastigobryum stoloniferum* (Sw.) Lindenb. 1845 = *Bazzania stolonifera* (Sw.) Trevis. 1877 (Grolle 1995).
- Mastigolejeunea africana* Steph. ex Paris 1911, nom. inval. = *Mastigolejeunea florea* (Mitt.) Steph. 1912 (Vanden Berghe 1949) = *Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).

- Mastigolejeunea auriculata* (Wilson) Steph. 1892 = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea brevifissa* (Gottsche) Steph. 1913, nom. inval. = *Lejeunea brevifissa* Gottsche 1882 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988; Sukkharak & Gradstein 2015).
- Mastigolejeunea buettneri* Schiffn. 1893 "Büttneri" = *Mastigolejeunea humilis* (Gottsche) Schiffn. 1893 (Sukkharak & Gradstein 2015) = *Thysananthus humilis* (Gottsche) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea camerunensis* Steph. 1924 = *Schiffnerolejeunea polycarpa* (Nees) Gradst. 1974 (Sukkarak & Gradstein 2015).
- Mastigolejeunea carinata* (Mitt.) Steph. 1912 = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea corbieri* Steph. 1912 = *Mastigolejeunea florea* (Mitt.) Steph. 1912 (Vanden Berghen 1949) = *Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea crispula* Steph. 1912 = *Mastigolejeunea carinata* (Mitt.) Steph. 1912 (Vanden Berghen 1949) = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea dusenii* Steph. 1912 = *Mastigolejeunea carinata* (Mitt.) Steph. 1912 (Vanden Berghen 1949) = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea auriculata* var. *rhodesica* (Vanden Berghen) Sukkharak et Gradst. 2014 = *Thysananthus auriculatus* var. *rhodesicus* (Vanden Berghen) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea florea* (Mitt.) Paris 1906 = *Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea fusco-virens* Steph. 1912 = *Mastigolejeunea carinata* (Mitt.) Steph. 1912 (Vanden Berghen 1949) = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea gilletana* Steph. 1912 = *Mastigolejeunea humilis* (Gottsche) Schiffn. 1893 (Sukkharak & Gradstein 2015) = *Thysananthus humilis* (Gottsche) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea jungneri* Steph. 1912 = *Mastigolejeunea auriculata* (Wilson) Steph. var. *auriculata* 1892 (Sukkharak & Gradstein 2014) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea lacomblezii* Pearson 1922 = *Brachiolejeunea nigra* (Steph.) Steph. 1912 (Vanden Berghen 1951b) = *Mastigolejeunea nigra* Steph. 1891 (Jones & Harrington 1983) = *Thysananthus nigrus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea microscypha* (Hook.f. et Taylor) Steph. 1912 = *Phragmicomia microscypha* (Hook.f. et Taylor 1845) Mitt. 1875 (Geissler & Bischler 1985) = *Cheilolejeunea microscypha* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
- Mastigolejeunea nigra* Steph. 1891 = *Thysananthus nigrus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea rhodesica* (Vanden Berghen) E.W.Jones 1957 = *Mastigolejeunea auriculata* var. *rhodesica* (Vanden Berghen) Sukkharak et Gradst. 2014 (Sukkharak & Gradstein 2014) = *Thysananthus auriculatus* var. *rhodesicus* (Vanden Berghen) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea robusta* Steph. 1912 = *Ptychocoleus ferrugineus* (Steph.) Steph. 1912 (Vanden Berghen 1949) = *Schiffnerolejeunea ferruginea* (Steph.) Gradst. 1974 (Gradstein 1974).
- Mastigolejeunea sudanensis* Herzog 1948 = *Mastigolejeunea carinata* (Mitt.) Steph. 1912 (Vanden Berghen 1949) = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigolejeunea tarkwana* Pearson 1931 = *Thysananthus spathulistipus* (Reinw., Blume et Nees) Lindenb. 1845 (Jones & Harrington 1983).
- Mastigolejeunea trigona* Steph. 1895 = *Mastigolejeunea carinata* (Mitt.) Steph. 1912 (Vanden Berghen 1949) = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980).
- Mastigolejeunea turgida* Steph. 1892 = *Thysananthus turgidus* (Steph.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Mastigophora africana* S.W.Arnell 1957 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Grolle 1978).
- Mastigophora africana* var. *annobonensis* S.W.Arnell 1956, nom. inval. probably = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838. *M. africana* was synonymised with *M. diclados* by Grolle (1978), and it is likely the records of var. *annobonensis* cited by Arnell (1956b) also belong to *M. diclados*.
- *** ***Mastigophora diclados*** (Brid. ex F.Weber) Nees ANN(2,33), ASC(2,3065), BIO(2,33), CMN(2), COM(1,4), ETH(2), GAB(2), MAS(1), MAU(1,4,2170), MDG(1,720), MLW(114), PRI(2750), REU(1), RIM(10), RWA(2,2864), SAO(2,2684), SEY(1,4,13), TAN(2), UGA(50).
- Mastigophora leioclada* (Hook.f. et Taylor) Mitt. 1875 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Inoue 1971).

Mastigophora madagassa Steph. 1909 = *Chandonanthus hirtellus* (F.Weber) Mitt. 1887 (Inoue 1971) = *Plicanthus hirtellus* (F.Weber) R.M.Schust. 2002 (Schuster 2002b).

Mastigophora mascarenica (Mitt.) Steph. 1891 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Inoue 1971).

Metacalypogea fusca (Lehm.) N.Kitag. 1988 = *Mnioloma fuscum* (Lehm.) R.M.Schust. 1995 (Schuster 1995a).

*** *Metalejeunea cucullata* (Reinw., Blume et Nees) Grolle COM(1), MDG(1), PRI(2750), SEY(1,4).

Metzgeria. This checklist mostly follows So (2004), since it is the most recent complete treatment of African *Metzgeria*. Her classification differs variously from that of Costa (2008), as well as the earlier treatments of Vanden Berghen (1948–1977) and Kuwahara (1986), and differences are yet to be resolved. Costa, in Söderström, Hagborg, von Konrat *et al.* (2016) appears to have largely followed Kuwahara (and Vanden Berghen?).

Metzgeria africana Steph. 1917 = *Metzgeria nudifrons* Steph. 1892 (So 2004).

Metzgeria agnewiae Kuwah. 1973 "agnewii" = *Metzgeria consanguinea* Schiffn. 1893 (So, 2004).

*** *Metzgeria albinea* Spruce RWA(3047). To be resolved. Treated as an Afro-American species by Costa (2008), who included West Africa (Cameroon, Nigeria, São Tomé (yet to be confirmed)) in its distribution. It was once reported from Seychelles, but So (2004) considered the specimen belongs to *M. madagassa* Steph.

Metzgeria allanii Steph. 1917 = *Metzgeria leptoneura* Spruce 1885 (Kuwahara 1969).

Metzgeria allionii Steph. 1917. The collections reported by Kuwahara (1983c) from Malawi probably belong to *M. nudifrons* Steph. 1892 (So 2004).

Metzgeria attenuata Steph. 1916 = *Metzgeria consanguinea* Schiffn. 1893 (So 2004).

Metzgeria australis Steph. African reports of *M. australis* mostly arose from Kuwahara (1984) treating *M. madagassa* Steph. and *M. thomeensis* Steph. as its synonyms. However, So (2002) discussed the confusion surrounding the identity of *M. australis*, and presented a revised synonymy. In So (2004), the taxonomic positions of *M. madagassa* and *M. thomeensis* are discussed in detail.

Metzgeria borneensis Kuwah. 1965 = *Metzgeria leptoneura* Spruce 1885 (So 2003).

Metzgeria brunnthalieri Steph. 1913 = *Metzgeria nudifrons* Steph. 1892 (Vanden Berghen 1948b).

Metzgeria bystroemii S.W.Arnell 1956 = *Metzgeria quadrifaria* Steph. 1899 (So 2004).

Metzgeria camerunensis Steph. 1899 = *Metzgeria madagassa* Steph. 1899 (So 2004).

Metzgeria capensis S.W.Arnell 1953 = *Metzgeria furcata* (L.) Corda 1829 (Kuwahara 1983b, Grolle 2002).

Metzgeria conjugata Lindb. 1875. All records of this species from sub-Saharan Africa (D.R.Congo, Mauritius, Madagascar, Mozambique, Réunion, and South Africa) are old and are treated here as erroneous. The species is not accepted as African by So (2004).

*** *Metzgeria consanguinea* Schiffn. BIO(1718,1778), BUR(2,767), CMN(767), DRC(2,767,2940), ETH(2,767,2345), KEN(2,767,2066,2940), LES(75,767), MDG(767), MLW(767,2143), REU(767), RWA(2,767,2864), SAF(2,75,767,2940), TAN(2,767), UGA(2,42,767,2940), ZAM(767), ZIM(767). Following So (2004), *M. consanguinea* here includes *M. agnewiae* Kuwah. and *M. attenuata* Steph. Costa (2008) recognised the three species as valid, although no African material was listed under 'material examinado'.

Metzgeria convexa Vanden Berghen 1951 = *Metzgeria consanguinea* Schiffn. 1893 (So 2004).

Metzgeria corralensis Steph. 1899. The presence of this species in Africa is doubtful, and the collection from South Africa cited by Kuwahara (1983c) probably belongs to *M. quadrifaria* Steph. (So 2004).

*** *Metzgeria crassipilis* (Lindb.) A.Evans BUR(767), DRC(767), MLW(767,2143), TAN(2), UGA(767). *Metzgeria propagulifera* was reported from Tanzania in Bizot & Pócs (1974), and although the collection was not mentioned in So (2004), it should probably be assigned to *M. crassipilis*.

Metzgeria decipiens (C.Massal.) Schiffn. 1890 = *Metzgeria furcata* (L.) Corda 1829 (Grolle 2002). Costa (2008) treated *M. decipiens* as a synonym of *M. ciliata* Raddi.

Metzgeria elliotii Steph. 1899 = *Metzgeria conanguinea* Schiffn. 1893 (So 2004).

Metzgeria epiphylla A.Evans 1923. The record of *M. epiphylla* from Uganda (Kuwahara 1983c) belongs to *M. consanguinea* (So 2004).

*** *Metzgeria furcata* (L.) Corda ANG(2848), BIO(1778), BUR(767), CMN(767,2940), DRC(767), ETH(2345), GHA(3013), KEN(767), LES(767), LBR(767), MAU(767), MDG(767,2940), MLW(767,2143), PRI(767), REU(767), RWA(2864), SAF(533,767,2864,2940), SAO(2,767,2684), SIE(2,767,2940), TAN(767,2940), UGA(767). Collections of '*M. thomeensis*' from ANN(2,33), BIO(36), COM(1), GHA(2), IVO(2), MOZ(2), NGA(2), RIM(10), RWA(2) and SEY(2) were not examined by So (2004). She considered that many collections deposited in various herbaria and annotated as *M. thomeensis*, belong either to *M. furcata* or *M. madagassa*.

Metzgeria furcata subsp. *crassipilis* Lindb. 1878 = *Metzgeria crassipilis* (Lindb.) A.Evans 1909 (So 2004).

Metzgeria furcata var. *decipiens* C.Massal. 1885 = *Metzgeria furcata* (L.) Corda 1829 (Grolle 2002).

Metzgeria hamata auct. [non Lindb. 1878] = *Metzgeria leptoneura* Spruce 1885 (Engel 1976).

Metzgeria hamata Lindb. 1878 [non *M. hamata* auct.] = *Metzgeria procera* Mitt. 1855 (Grolle 1995).

Metzgeria hedbergii Vanden Berghe 1953 = *Metzgeria quadrifaria* Steph. 1899 (So 2004).

Metzgeria latifrons Steph. 1910 = *Metzgeria nudifrons* Steph. (So 2004).

*** ***Metzgeria leptoneura*** Spruce BIO(767,2940), CMN(767), COM(1), DRC(2,2940), GUI(767), KEN(767,2940), MAU(1,767), MDG(1,767,2940), MLW(2,767,2143), NGA(767,2940), PRI(767,2940), REU(1,767), RWA(2,2864), SAF(767,2940), SAO(2,767,2684,2940), SEY(4), TAN(2,767), UGA(2,96,767), ZIM(2). The Moenkemeyer collection from 'Niger' in Phephu & van Rooy (2015) is here considered to refer to Nigeria.

Metzgeria limbato-setosa Steph. 1910 = *Metzgeria madagassa* Steph. 1899 (So 2004).

*** ***Metzgeria lindbergii*** Schuffn. BIO(2,33), CMN(2,767), GHA(767,3013), MOZ(2736), PRI(2750), SAF(2379,2770), SWZ(2379), UGA(96,767), ZIM(2770).

Metzgeria luzonensis Kuwah. = *Metzgeria leptoneura* Spruce 1885 (So 2003). The collection of *M. luzonensis* from Madagascar (Kuwahara & Onraedt 1969) belongs to *M. madagassa* (So 2004).

*** ***Metzgeria madagassa*** Steph. Ⓣ BIO(1778), CMN(767,2770), DRC(767,2770), ETH(767,2345), GHA(3013), KEN(2066), LBR(767), MAU(767), MDG(1,767), MLW(767,2143), MOZ(2), NGA(767), REU(767), RWA(767,2864), SAF(767,2770), SEY(767), TAN(767), UGA(767), ZIM(767).

Metzgeria muscicola Steph. 1899 = *Metzgeria quadrifaria* Steph. 1899 (So 2004).

Metzgeria nicomariei Veltman et Potgieter 2000 = *Metzgeria furcata* (L.) Corda 1829 (So 2004).

*** ***Metzgeria nudifrons*** Steph. CMN(16), DRC(2), ETH(2345), LES(75,767), MDG(767), MLW(767,2143), SAF(75,767,2669,2770), TAN(767), UGA(767), ZAM(767), ZIM(767,2669).

Metzgeria papulosa Steph. 1899 = *Metzgeria leptoneura* Spruce 1885 (Piippo 1991). The record of *M. papulosa* from Madagascar (Kuwahara 1982) is treated as an error, and likely to refer to *M. leptoneura* (So 2004).

Metzgeria perrotana Steph. 1899 = *Metzgeria furcata* (L.) Corda 1829 (Kuwahara 1983b, Grolle 2002).

Metzgeria procera Mitt. 1855. Reports of this neotropical species from Mauritius, Madagascar and Réunion are treated as erroneous by Grolle (1995).

Metzgeria propagulifera Vanden Berghe 1948 probably = *M. crassipilis* (Lindb.) A.Evans 1909 (e.g. Kuwahara 1981).

*** ***Metzgeria pulvinata*** Steph. RWA(3049).

Metzgeria recurva Steph. 1886 = *Metzgeria leptoneura* Spruce 1885 (Vanden Berghe 1948b).

Metzgeria renauldii Steph. 1899 = *Metzgeria leptoneura* Spruce 1885 (Piippo 1991).

*** ***Metzgeria quadrifaria*** Steph. Ⓣ BIO(2,767,2770), CMN(767,2770), DRC(767), ETH(2345), KEN(2,767,2770), LES(75,767,2770), MDG(767), RWA(2,2864), SAF(2770), SOM(2,767), TAN(767), UGA(767), ZAM(767). Costa (2008) treated *M. quadrifaria* as a synonym of *M. rufula* Spruce.

Metzgeria rufula Spruce 1885. So (2004) considered the records of *M. rufula* from Cameroun and Uganda (Kuwahara 1983c; 1986) doubtful, and probably referable to *M. madagassa* Steph.

Metzgeria ruwenzorensis Gola 1907 = *Metzgeria furcata* (L.) Corda 1829 (So 2004).

Metzgeria saxbyi Pearson = *Metzgeria lindbergii* Schiffn. 1898 (Gradstein, Morales *et al.* 2016).

*** ***Metzgeria scyphigera*** A.Evans RWA(3048).

Metzgeria tabularis Steph. 1913 = *Metzgeria furcata* (L.) Corda 1820 (So 2004).

Metzgeria thomeensis Steph. 1891 = *Metzgeria furcata* (L.) Corda 1829 (So 2004).

Metzgeria tusii Gola 1914 = *Metzgeria leptoneura* Spruce 1885 (So 2004).

Metzgeria vanderberghenii Kuwah. 1983 = *Metzgeria consanguinea* Schiffn. 1893 (So 2004).

Metzgeria violacea (Ach.) Dumort. 1835. This species has been reported from several African countries, but recent examination (So, 2004) has shown that many collections identified as this species are not true *M. violacea*. Its presence in Africa is therefore considered doubtful (So 2004).

Metzgeria violascens (Ach.) Dumort. ex S.W.Arnell 1965, *nom. inval.* = *Metzgeria violacea* (Ach.) Dumort. 1835 (Grolle 1995).

Metzgeria vivipara A.Evans 1910. The report of this species from Réunion should probably be referred to *M. nudifrons* (So 2004).

Metzgeria warnstorffii Steph. 1899 "warnstorffii" = *Metzgeria madagassa* Steph. 1899 (So 2004).

** ***Microlejeunea africana*** Steph. Ⓣ ANG(2848), ANN(2,33), ASC(3065), BEN(2),

BIO(2,33,72,1778), BUR(2), CAF(2), CMN(2), COM(1), CON(2), DRC(2,130,822), ETH(2,2345), GAB(2396), GHA(2,3013), GNB(2), GUI(2), IVO(2,53), KEN(2,665,731,759,2066), LES(75), MAU(108,2170), MDG(1), MLW(2,563), MOZ(2), NGA(2), PRI(2), RIM(10), REU(1712), ROD(723), RWA(2,130,2864), SAF(2,75,2684), SAO(2), SEY(1,108,2021), SIE(2), SOC(94), STH(2895), TAN(2,736), TOG(101),

- UGA(2,42), ZIM(2).
- ** *Microlejeunea ankasica* E.W.Jones (E) GHA(2), PRI(2750), SIE(2).
Microlejeunea byssoides (Gottsche) Pearson 1892, *nom. dub.* Reported, as *Lejeunea byssoides* Gottsche from Madagascar (Gottsche 1882), and treated as a *nomen dubium* by Grolle (1995).
Microlejeunea cochlearifolia Steph. 1888 - see note under *Microlejeunea kamerunensis* Steph.
- ** *Microlejeunea dispar* Jovet-Ast (E) MAU(1), REU(1).
- *** *Microlejeunea filicuspis* (Steph.) Heinrichs, Schäf.-Verw., Pócs et S.Dong COM(1,571), MDG(2785), SEY(1,571,2021).
- *** *Microlejeunea fischeri* (Steph.) Heinrichs, Schäf.-Verw., Pócs et S.Dong (E) DRC(1425), RWA(2,1425,2864), UGA(42).
- ** *Microlejeunea fissistipula* Steph. (E) MDG(1,720).
Microlejeunea furva (Mitt.) Steph. 1915 = *Lejeunea furva* Mitt. 1879 = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).
- *** *Microlejeunea globosa* (Spruce) Steph. KEN(759).
Microlejeunea gracillima sensu Sim 1926 [? non (Mitt.) Steph. 1895] presumed = *Microlejeunea africana* Steph. 1888 (*fide* illustration in Sim, 1926).
Microlejeunea helenae (Pearson) Sim 1926 = *Lejeunea helenae* Pearson 1886 (Sim 1926).
Microlejeunea heterophylla Steph. 1915 = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
- ** *Microlejeunea inflata* Steph. (E) COM(1), MDG(1,720), REU(2360).
Microlejeunea jungneri Steph. 1915 [*non* *Lejeunea jungneri* (Steph.) Steph. 1901] = *Lejeunea confusa* E.W.Jones 1972 (Jones 1972) = *Lejeunea abyssinica* (Gola) Cufod. 1952 (Pócs, Zhu *et al.* 2015b).
- ** *Microlejeunea kamerunensis* Steph. (E) BIO(1778), BUR(2), CMN(2), DRC(2), GAB(2396), GHA(3013), IVO(2,53), KEN(2), MAU(2170), MLW(563), MOZ(2), NGA(2), PRI(2), REU(2129), RIM(10), RWA(2,2864), SAO(2,128,2684), SIE(2), TAN(2), UGA(50), ZIM(2). Jones (1969) commented that "*M. cochlearifolia* is an earlier name, which may prove synonymous with *M. kamerunensis*". However, since the synonymy has not yet been established, the records remain here listed under *M. kamerunensis* Steph.
Microlejeunea cucullata (Reinw., Blume et Nees) Steph. 1915 = *Metalejeunea cucullata* (Reinw., Blume et Nees) Grolle 1995 (Grolle 1995).
- * *Microlejeunea magnilobula* Gola (E) Known only from the type from Uganda (Gola 1907).
- * *Microlejeunea minutistipula* Steph. Known only from the type from Tanzania (Stephani, in Mildbraed 1911). Jones (1969) considered this species to be either *M. kamerunensis* Steph. or, less probably, *M. africana* Steph.
- ** *Microlejeunea nyandaruensis* Pócs (E) KEN(738,759), RWA(738,2864).
- ** *Microlejeunea oblongistipula* (Gottsche) Pearson (E) MDG(1), REU(2360), ROD(723), SEY(4,108).
Microlejeunea ocellifera S.W.Arnell 1953 = *Microlejeunea africana* Steph. 1888 (Jones 1969).
- * *Microlejeunea ovistipula* Steph. Known only from the type from the Democratic Republic of the Congo (Stephani 1911a). Jones (1985a) considered that plants under this name are likely to be *Lejeunea hepaticola* (Steph.) Steph.
- ** *Microlejeunea papulosa* (Gottsche) Spruce (E) To be re-assessed. Known only from the type from Madagascar (Gottsche 1882).
Microlejeunea saccula Steph. 1915 = *Microlejeunea africana* Steph. 1888 (Grolle 1995).
- ** *Microlejeunea strasbergii* Bardat et Ah-Peng (E) MDG(3107), REU(2436)
- *** *Microlejeunea ulicina* (Taylor) A.Evans CVI(37). Reports from elsewhere in Africa are doubtful, and are likely to refer to *M. africana* Steph. (Grolle 1995).
- * *Microlejeunea usambarensis* Steph. (E) Known only from the type from Tanzania (Stephani 1913a).
Microlepidozia stephanii (Renauld ex Steph.) S.W.Arnell 1965, *nom. inval.* = *Kurzia capillaris* subsp. *stephanii* (Renauld) Pócs 1984 (Pócs 1984a).
Microlepidozia succulenta (Sim) S.W.Arnell 1962 = *Paracromastigum succulentum* (Sim) J.J.Engel et G.L.Merr. 2001 (Engel & Merrill 2001).
Microlepidozia tabularis (Steph.) S.W.Arnell 1962 = *Kurzia capillaris* (Sw.) Grolle 1964 (Pócs 1984a).
- *** *Mnioloma caespitosum* (Spruce) R.M.Schust. TAN(1920).
- *** *Mnioloma fuscum* (Lehm.) R.M.Schust. BIO(36), CMN(2), DRC(2), ETH(2), LES(2), MDG(1,720), REU(1,4), RWA(2,2864), SAF(2), SEY(1,4), STH(2,2895), SWZ(2), TAN(2), UGA(2).
- *** *Monocarpus sphaerocarpus* D.J.Carr. SAF(2,76).

- Monoclea adglutinata* Hook.f. et Taylor 1845 = *Dendroceros adglutinatus* (Hook.f. et Taylor) Gottsche, Lindb. et Nees 1846 (Bonner 1964).
- Monoclea gottschei* Lindb. 1886 - erroneously recorded from Ethiopia (Arnell 1960); the specimens are *Calyularia crispula* (Grolle 1985).
- Mylia diversifolia* (Gottsche) E.W.Jones ex S.W.Arnell 1955 = *Leptoscyphus diversifolius* (Gottsche) Grolle 1963 (Grolle 1963a).
- Mylia expansa* (Lehm.) S.W.Arnell 1955 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
- Mylia hedbergii* S.W.Arnell 1956 = *Leptoscyphus hedbergii* (S.W.Arnell) R.M.Schust. 1959 (Grolle 1963a).
- Mylia infuscata* (Mitt.) S.W.Arnell 1956 = *Leptoscyphus infuscatus* (Mitt.) E.W.Jones ex Grolle 1963 (Grolle 1963a).
- Mylia iversenii* (Pearson) S.W.Arnell 1955 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
- Nardia abyssinica* (Nees) Cufod. 1952 = *Solenostoma abyssinicum* (Nees) Steph. 1901 (Váňa 1974a, Schuster 2002a).
- *** *Myriocoleopsis minutissima* (Sm.) R.L.Zhu, Y.Yu et Pócs ANG(2848), BEN(22), CVI(2,37), DRC(2), IVO(53), KEN(759), MDG(1), MLW(2,563), REU(1), ROD(1), RWA(130,2864), SAF(2,75), STH(2895), TAN(2), UGA(42,50,115), ZIM(2).
- *** *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs ETH(2345), GHA(2), LES(75), MLW(2,563), NGA(2), SAF(2), TAN(2), UGA(42,115).
- *** *Nardia arnelliana* Grolle Ⓢ REU(1), UGA(2,1472).
- Nardia aurita* (Lehm.) Trevis. 1877 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1982).
- Nardia dusenii* Steph. 1891 = *Jungermannia dusenii* (Steph.) Steph. 1901 (Váňa 1974a).
- Nardia jackii* Steph. 1892 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1983 (Grolle 1964c).
- Nardia stolonifera* Steph. 1892 = *Solenostoma borgenii* (Gottsche) Steph. 1901 (Váňa 1974a, Schuster 2002a).
- Nardia verrucosa* Steph. 1892 = *Jungermannia dusenii* (Steph.) Steph. 1901 (Váňa 1974a).
- *** *Neolepidozia trifida* (Steph.) E.D.Cooper Ⓢ CMN(2), DRC(2), RWA(2,2864), UGA(42). *Nesolejeunea intercalaris* Herzog 1947 = *Lejeunea acuta* Mitt. 1864 (Vanden Berghen 1963b).
- ** *Neurolejeunea breutelii* (Gottsche) A.Evans var. *africana* Pócs PRI(2750). This taxon is considered by Gradstein (pers. comm. Dec. 2017) to be a species of *Cheilolejeunea* sect. *Cyrtolejeunea*.
- Noteroclada* sp. An undescribed taxon from the Drakensberg, South Africa, was assigned to *Noteroclada* by Schuster (1992a: 434f), but the whereabouts of specimens is unknown.
- Notoscyphus africanus* (Pearson) S.W.Arnell 1955 = *Odontoschisma africanum* (Pearson) Sim 1926 (Grolle 1960b) = *Odontoschisma variabile* (Lindenb. et Gottsche) Trevis 1977 (Gradstein 2013c).
- Notoscyphus belangerianus* (Lehm. et Lindenb.) Mitt. 1877 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Schiffner 1898, Grolle 1995).
- Notoscyphus congoanus* Steph. 1917 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1964c).
- Notoscyphus flexuosus* (Lehm.) Sim 1926 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
- Notoscyphus jackii* (Steph.) Steph. 1901 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1964c).
- *** *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. ANG(2848), BUR(2), CMN(2), COM(1,4,2366), DRC(2), MAU(1,2170), MDG(1,4,720), MLW(114), REU(1), RWA(2,2864), SAF(2), SAO(2750), TAN(2785).
- Notoscyphus natalensis* Sim 1926 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1964c).
- Notoscyphus variifolius* Mitt. 1877 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
- Notoscyphus vermicularis* (Lehm.) Steph. 1901 = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Engel 1980).
- Nowellia curvifolia* (Dicks.) Mitt. 1870. Reported by Sim (1926) from South Africa, but Arnell (1953b) considered the record to be erroneous, and no herbarium specimens have been found.
- Odontolejeunea hanningtonii* (Mitt.) Steph. 1895 = *Caudalejeunea hanningtonii* (Mitt.) Schiffn. 1909 (Vanden Berghen 1948d).
- *** *Odontolejeunea lunulata* (F.Weber) Schiffn. BIO(2,33,1778), BUR(2), CMN(2), COM(1), CON(2), DRC(2), ETH(2,2345), GHA(3013), GUI(2), IVO(2), KEN(2,731,2066), MAU(1,2170), MDG(1,4,720), MOZ(2), NGA(2), REU(2), RIM(10), RWA(2,2864), SAO(2,2684), SIE(2), TAN(2), UGA(42,50).
- Odontolejeunea mauritiana* Steph. 1912 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Teeuwen 1989).
- Odontolejeunea sieberiana* (Gottsche) Schiffn. 1893 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Teeuwen 1989).
- Odontolejeunea sieberiana* var. *africana* Steph. 1892, nom. inval. = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Vanden Berghen 1952, Teeuwen 1989).
- Odontolejeunea thomeensis* Steph. 1912 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Vanden Berghen 1952, Teeuwen 1989).

- Odontolejeunea tortuosa* (Lehm.) Steph. 1912 = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Vanden Berghen 1952, Teeuwen 1989).
- Odontoschisma africanum* (Pearson) Sim 1926 = *Odontoschisma variabile* (Lindenb. et Gottsche) Trevis. 1877 (Gradstein 2013c).
- Odontoschisma denudatum* var. *africanum* (Pearson) S.W.Arnell 1957, nom. inval. = *Odontoschisma afri- canum* (Pearson) Sim 1926 (Grolle 1960b) = *Odontoschisma variabile* (Lindenb. et Gottsche) Trevis 1977 (Gradstein 2013c).
- *** *Odontoschisma denudatum* (Mart.) Dumort. subsp. *denudatum* MDG(2784).
- *** *Odontoschisma jishibae* (Steph.) Váňa et L.Söderstr. BIO(36), COM(4,2784), MAU(1,2784), MDG(4,720,2784), MLW(114,2784), REU(1,4,2784), SEY(1,4,2784), TAN(2785).
- Odontoschisma ligulatum* Steph. 1890 = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Grolle 1964c).
- *** *Odontoschisma variabile* (Lindenb. et Gottsche) Trevis. MAU(1,2170,2784), MLW(114), REU(45,2784), SAF(2,2784), TAN(2,2784).
- Odontoschisma variable* Sim 1926, hom. illeg. [non (Lindenb. et Gottsche) Trevis. 1877] = *Clasmatocolea vermicularis* (Lehm.) Grolle 1960 (Arnell 1958b, Engel 1980).
- Omphalanthus filiformis* (Sw.) Nees 1845 The record from Madagascar (Gottsche 1882) apparently belongs to *Cheilolejeunea montagnei* (Gottsche) R.M.Schust (Grolle 1995).
- Omphalanthus geminiflorus* (Nees) Gottsche, Lindenb. et Nees 1845 = *Omphalanthus filiformis* (Sw.) Nees 1845 (Stephani 1890b).
- Omphalanthus renistipulus* Steph. 1911, nom. illeg. [non Lindenb. 1845] = *Evansiolejeunea renistipula* (Steph.) Vanden Berghen 1948 (Vanden Berghen 1948c) = *Evansiolejeunea roccatii* (Gola) Vanden Berghen 1960 (Vanden Berghen 1960a) = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye et al. 2015).
- Omphalolejeunea filiformis* (Sw.) Lacout. 1908 = *Omphalanthus filiformis* (Sw.) Nees 1845 (Grolle 1995).
- Otigonirolejeunea villaumei* Steph. 1914 = *Lejeunea villaumei* (Steph.) Grolle 1977 (Grolle 1977).
- Otiona aitonii* (Lindenb. et Nees) Mitt. 1877 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. 1898 (Cufodontis 1952).
- Otolejeunea rabenorii* Tixier 1988 = *Allorgella rabenorii* (Tixier) Bechteler, G.E.Lee, Schäf.-Verw. et Heinrichs 2015 (Bechteler et al. 2015).
- Otolejeunea subana* Pócs 2004 = *Allorgella subana* (Pócs) Pócs 2015 (Bechteler et al. 2015).
- *** *Otolejeunea moniliata* Grolle (E) MDG(1).
- *** *Oxymitra cristata* Garside (E) NAM(2,1132), SAF(2,1132).
- *** *Oxymitra incrassata* (Brot.) Sérgio et Sim-Sim SOC(764).
- Pallavicinia attenuata* Steph. 1893 = *Pallavicinia lyellii* (Hook.) Gray 1821 (Grolle & Piippo 1986).
- Pallavicinia byssophora* (Lehm. et Lindenb.) Trevis. 1877 = *Pallavicinia lyellii* (Hook.) Gray. 1821 (Grolle & Piippo 1986).
- ** *Pallavicinia camisassai* Gola Known only from the type from Kenya (Gola 1914a). The description and figure might suggest this taxon should be referred to either *Jensenia spinosa* (Lindenb. et Gottsche) Grolle or *Symphyogyna podophylla* (Thunb.) Nees et Mont.
- Pallavicinia capensis* S.W.Arnell 1954 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Arnell 1963).
- *** *Pallavicinia lyellii* (Hook.) Gray BUR(2), DRC(2), LES(75), MAU(2170), MDG(2498), MLW(2,29), REU(1), RWA(2,2864), SAF(2,75), SAO(2,2684), TAN(2), UGA(50,96), ZIM(2).
- Pallavicinia pilifera* Steph. 1891 = *Pallavicinia lyellii* (Hook.) Gray 1821 (Vanden Berghen 1972b).
- Pallavicinia procumbens* (Hook.f. et Taylor) Mitt. 1875 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).
- Pallavicinia rubescens* Steph. 1917 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).
- Pallavicinia serrata* (Mitt.) Grolle 1984 = *Jensenia spinosa* (Lindenb. et Gottsche) Grolle 1986 (Castle 1969).
- Pallavicinia spinosa* (Lindenb. et Gottsche) Grolle 1979 = *Jensenia spinosa* (Lindenb. et Gottsche) Grolle 1986 (Perold 1993c).
- Pallavicinia stephanii* J.B.Jack 1892 = *Jensenia spinosa* (Lindenb. et Gottsche) Grolle 1986 (Castle 1969).
- ** *Paracromastigum succulentum* (Sim) J.J.Engel et G.L.Merr. (E) SAF(2,556).
- Paracromastigum tristanianum* (R.M.Schust.) J.J.Engel et R.M.Schust. 1974. See note under *Hyalolepidozia bicuspidata*.
- Paraschistochila engleriana* (Steph.) R.M.Schust. 1971 = *Gottschea engleriana* (Steph.) Grolle et Zijlstra 1984 (Grolle & Zijlstra 1984).
- Paraschistochila neesii* (Mont.) R.M.Schust 1971 = *Gottschea neesii* Mont. 1843 (Grolle & Zijlstra 1984).
- Pedinolejeunea himalayensis* (Pandé et Misra) Chen et Wu 1964 = *Cololejeunea latilobula* (Herzog) Tixier 1985 (Tixier 1985).
- *** *Pellia epiphylla* (L.) Corda SOC(746).
- Phragmicomia abnormis* Gottsche 1882 = *Acrolejeunea abnormis* (Gottsche) Pearson 1892 (Grolle 1995).

- Phragmicoma acutiloba* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847 = *Marchesinia brachiata* (Sw.) Schiffn. 1893 (Geissler & Gradstein 1994).
- Phragmicoma amplectens* Steph. 1886 = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1975, Geissler & Gradstein 1994).
- Phragmicoma aulacophora* Mont. 1843 = *Acrolejeunea aulacophora* (Mont.) Steph. 1895 (Gradstein 1975).
- Phragmicoma carinata* Mitt. 1879 = *Mastigolejeunea auriculata* (Wilson) Steph. 1892 (Gradstein & Inoue 1980) = *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Phragmicoma emergens* Mitt. 1879 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).
- Phragmicoma excavata* (Mitt.) Steph. 1886 = *Marchesinia excavata* (Mitt.) Schiffn. 1893 (Vanden Berghen 1948d).
- Phragmicoma florea* Mitt. 1886 = *Mastigolejeunea florea* (Mitt.) Paris 1906 (Vanden Berghen 1949) = *Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. 2017 (Sukkharak & Gradstein 2017).
- Phragmicoma fulva* Gottsche 1882 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Geissler & Gradstein 1994).
- Phragmicoma inflexa* Gottsche 1882 = *Acrolejeunea inflexa* (Gottsche) Pearson 1892 (Pearson 1892).
- Phragmicoma microscypha* (Hook.f. et Taylor) Mitt. 1875 = *Cheilolejeunea microscypha* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
- Phragmicoma molleri* Steph. 1886 = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1974).
- Phragmicoma palisoti* Taylor ex Mitt. 1886, nom. nud. = *Odontolejeunea lunulata* (F.Weber) Schiffn. 1893 (Vanden Berghen 1952).
- Phragmicoma pappeana* Nees 1845 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein 1974).
- Phragmicoma reniloba* Gottsche 1845 = *Caudalejeunea reniloba* (Gottsche) Steph. 1912 (Grolle 1995).
- Phragmicoma rotalis* (Hook.f. et Taylor) Mitt. 1875 = *Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et P.Geissler 1997 (Gradstein & Geissler 1997) = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).
- Phragmicoma sphaerophora* (Lehm. et Lindenb.) Schiffn. 1886 = *Lopholejeunea sphaerophora* (Lehm. et Lindenb.) Steph. 1912 (Vanden Berghen 1984a).
- Phragmillejeunea molleri* (Steph.) R.M.Schust. 1961 = *Schiffneriolejeunea polycarpa* (Steph.) Gradst. 1974 (Gradstein 1974).
- Phragmillejeunea occulta* (Steph.) Bischl. 1965, nom. inval. = *Schiffneriolejeunea occulta* (Steph.) Gradst. 1974 (Gradstein 1974).
- Phragmillejeunea pappeana* (Nees) R.M.Schust. 1954 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein 1974).
- Physiotium sphagnoides* Richard ex Nees 1838, nom. illeg. = *Pleurozia gigantea* (F.Weber) Lindb. 1874 (Thiers 1993).
- Physocolea adhaesiva* (Mitt.) Steph. 1916 = *Cololejeunea adhaesiva* (Mitt.) R.M.Schust. 1963 (Schuster 1963).
- Physocolea africana* Steph. 1916 = *Cololejeunea africana* (Steph.) R.M.Schust. 1963 (Schuster 1963).
- Physocolea autoica* Steph. 1916 = *Cololejeunea autoica* (Steph.) Grolle 1995 (Grolle 1995).
- Physocolea bidentula* Steph. 1916 = *Cololejeunea bidentula* (Steph.) E.W.Jones 1954 (Jones 1954e).
- Physocolea bolombensis* Steph. 1916 = *Cololejeunea bolombensis* (Steph.) Vanden Berghen 1972 (Tixier 1985, Jones 1953a) = *Cololejeunea lanciloba* Steph. 1895 (Zhu & So 2001).
- Physocolea cristata* Steph. 1916 = *Cololejeunea cristata* (Steph.) R.M.Schust. 1963 (Schuster 1963).
- Physocolea cuneata* (Lehm. et Lindenb.) Steph. 1916 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
- Physocolea decemplicata* Steph. 1916 = *Cololejeunea decemplicata* (Steph.) Tixier 1979 (Tixier 1979a).
- Physocolea elegans* (Steph.) Steph. 1916 = *Cololejeunea elegans* Steph. 1891 (Jones 1954e).
- Physocolea erectifolia* (Steph.) Steph. 1916 = *Cololejeunea erectifolia* Steph. 1895 (Geissler & Bischler 1989) = *Leptocolea subciliata* (Mitt.) E.W.Jones 1953 (Jones 1954e) = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
- Physocolea filicaulis* (Steph.) Steph. 1916 = *Cololejeunea filicaulis* Steph. 1892 (Jones 1954e) = *Cololejeunea hildebrandii* (Austin) Steph. 1897 (Tixier 1985).
- Physocolea flegelii* Steph. 1916 = *Leptocolea crenatiflora* Steph. 1915 (Jones 1954e). See also note under the latter species.
- Physocolea grossidens* Steph. 1916 = *Cololejeunea malanjae* Steph. 1902 (Vanden Berghen 1978b).
- Physocolea malanjae* Steph. 1916 = *Cololejeunea malanjae* Steph. 1902 (Jones 1953b).
- Physocolea myriantha* Herzog 1952 = *Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust. 1955 (Schuster 1955) = *Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs 2014 (Yu et al. 2014).
- Physocolea peculiaris* Herzog 1931 = *Cololejeunea inflectens* (Mitt.) Benedix 1953 (Jones 1988).
- Physocolea pusilla* (Steph.) Steph. 1916 = *Cololejeunea pusilla* Steph. 1895 (Jones 1954e).
- Physocolea scabrifolia* Schiffn. ex Steph. 1916 = *Cololejeunea obliqua* (Nees et Mont.) Schiffn. 1897 (Tixier 1985).
- Physocolea subciliata* (Mitt.) Steph. 1916 = *Cololejeunea cuneata* (Lehm. et Lindenb.) Herzog 1947 (Tixier 1979a).
- Physocolea villaumei* Steph. 1916 = *Cololejeunea hildebrandii* (Austin) Steph. 1897 (Tixier 1985).
- Physocolea vittata* Steph. 1916 = *Cololejeunea platyneura* (Spruce) A.Evans 1902] (Zhu & So 1998).

Physocolea xaverii Lacout. ex Steph. 1916 = *Cololejeunea xaverii* (Lacout. ex Steph.) E.W.Jones 1954 (Jones 1954e).

Plagiochasma abyssinicum Gola 1914 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Bischler 1978).

Plagiochasma aitonii Lindenb. et Nees 1836 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Bischler 1978).

*** ***Plagiochasma appendiculatum*** Lehm. et Lindenb. ERI(2), KEN(2), SAF(2,1132), SOC(2), TAN(2), ZIM(2).

Plagiochasma appendiculatum var. *erythraeum* Gola 1914 = *Plagiochasma appendiculatum* Lehm. et Lindenb. 1832 (Bischler 1978).

*** ***Plagiochasma beccarianum*** Steph. ERI(2), MLW(29), NAM(2,1132), SAF(2,1132), SOC(2), TAN(2), UGA(115), ZAM(2).

Plagiochasma capense Sim 1926 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Bischler 1978).

Plagiochasma dinteri Steph. 1901 = *Plagiochasma microcephalum* (Steph.) Steph. 1898 (Bischler 1978).

Plagiochasma dschallanum Steph. 1898 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Bischler 1978).

*** ***Plagiochasma eximum*** (Schiffn.) Steph. BIO(1718), CMN(2), CVI(2,37), DJI(2), DRC(2), ERI(2), ETH(2,113), GUI(2), KEN(2,731), LES(1132), REU(1), SAF(2,75,1132), SIE(2), SOC(2), TAN(2), UGA(2,96), ZIM(727). The collection from Malawi (Bischler 1978: 255), was redetermined by T. Pócs as *Plagiochasma beccarianum*.

Plagiochasma fischerianum (Steph.) Steph. 1898 ("*P. fischeri*") = *Plagiochasma appendiculatum* Lehm. et Lindenb. 1832 (Bischler 1978).

Plagiochasma limbatum (Hook.f. et Taylor) Nees 1846 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. 1898 (Evans 1915, Bischler 1978).

*** ***Plagiochasma microcephalum*** (Steph.) Steph. var. ***microcephalum*** ANG(2), ETH(2,113), KEN(2107), MDG(1), NAM(2,1132), SAF(2,1132), TAN(2), UGA(2). *P. microcephalum* was reported in Manyaga & Perold (2004) from Zimbabwe, but apparently in error. Bischler determined the collection (Sim CH1186 (PRE)) as *P. appendiculatum*.

Plagiochasma muricatum Steph. 1901 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. 1898 (Bischler 1978).

*** ***Plagiochasma rupestre*** (J.R.Forst. et G.Forst.) Steph. var. ***rupestre*** ANG(2), ASC(2,3065), BOT(1132), CHA(2), CVI(2,37,254), DJI(2), DRC(2), ERI(2), ETH(2,113,121,502), KEN(2,731,2066,2107), LES(2,75,1132), MAU(1), NAM(2,1132), REU(1), RWA(2864,2938), SAF(2,75,1132,2895), STH(2), SUD(2), TAN(2), UGA(2,42), ZIM(2).

*** ***Plagiochasma rupestre*** var. ***volkii*** Bischl. LES(2,75), NAM(2,1132), SAF(2,1132), ZIM(2).

Plagiochasma schimperi Steph. 1898 = *Plagiochasma eximum* (Schiffn.) Steph. 1898 (Bischler 1978).

Plagiochasma tenue Steph. 1898 = *Plagiochasma rupestre* (J.R.Forst. et G.Forst.) Steph. var. *rupestre* 1898 (Bischler 1978).

Plagiochila abyssinica Mitt. 1886 = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila aerea Taylor 1846. Reported from Réunion by Stephani (1891), as *P. bursata* Lindenb., but Grolle (1995) commented that "apparently all records outside the neotropics are erroneous".

*** ***Plagiochila africana*** Steph. Ⓣ BIO(2,33), CAF(2), CMN(2), GHA(2), GUI(48), IVO(2,53), NGA(2), PEI(2750), RIM(10), SIE(2).

Plagiochila aloysii-sabaudiae Gola 1907 = *Adelanthus unciformis* (Taylor) Mitt. 1864 (Vanden Berghen 1965) = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Grolle 1972).

Plagiochila amphigastriata Herzog 1938 = *Plagiochila pinniflora* Steph. 1891 (Jones 1962).

Plagiochila amplifolia Steph. 1901 perhaps = *Plagiochila fusifera* Taylor 1846 (Jones 1962).

Plagiochila andongensis Steph. 1904 = *Plagiochila divergens* var. *capensis* (Steph.) E.W.Jones 1962 (Jones 1962). *P. divergens* was synonymised with *P. kiaeri* by Grolle (1995).

* ***Plagiochila angolensis*** Steph. ANG(1,2059,2841), Guinée gallica (2841). Ⓣ Taxonomic status to be re-assessed; not studied by Jones (1962) or Vanden Berghen (1976).

Plagiochila angolensis Steph. ex Paris 1908, *nom. inval.* = *Plagiochila angolensis* Steph. 1917.

*** ***Plagiochila angusta*** Lindenb. Ⓣ MDG(1,720), REU(1).

Plagiochila angustifolia Steph. 1913 = *Plagiochila strictifolia* Steph. 1891 (Jones 1962).

Plagiochila angustissima Steph. 1902 = *Plagiochila terebrans* Nees et Mont. 1840 (Jones 1962).

*** ***Plagiochila angustitexta*** Steph. Ⓣ MLW(114), TAN(2).

Plagiochila anisodonta (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1847 = *Tylimanthus anisodontus* (Hook.f. et Taylor) Mitt. 1875 (Grolle & Persson 1966) = *Acrobolbus anisodontus* (Hook.f. et Taylor) Briscoe 2015 (Briscoe *et al.* 2015).

Plagiochila anjouana Gottsche ex Dugas 1928 = *Plagiochila terebrans* Nees et Mont. 1840 (Grolle 1995).

Plagiochila ankefinensis Steph. 1904 = *Plagiochila kiaeri* Gottsche 1882 (Vanden Berghen 1981).

Plagiochila armata Steph. 1891 = *Plagiochila barteri* Mitt. var. *barteri* 1886 (Jones 1962).

Plagiochila artsii Pócs Described by Pocs (2005) from Réunion, but later Pocs (2015) considered that the fragmentary type probably represents leafy propagulae of another *Plagiochila* species.

Plagiochila attenuata Steph. 1911 = *Adelanthus unciformis* (Taylor) Mitt. 1864 (Vanden Berghen 1965) = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Grolle 1972).

- * ***Plagiochila bamingensis*** Steph. Known only from the type from the Central African Republic (Stephani 1912c). Jones (1962) considered it likely to be a depauperate or abnormal form of another species.

*** ***Plagiochila barteri*** Mitt. Ⓢ BIO(2,33,36), CMN(2), COM(1), DRC(2,130), ETH(2), GAB(2), KEN(2,71), MAU(1,2170), MDG(1,720), MLW(2,114), PRI(2,2684), REU(1), RWA(2,130,2864), SAO(2,2684), SIE(2), TAN(2), TOG(2), ZIM(2).

Plagiochila barteri subsp. *colorans* (Steph.) Pócs 1993 = *Plagiochila colorans* Steph. 1911 (Heinrichs *et al.* 2005a).

- ** ***Plagiochila barteri*** var. *valida* (Steph.) Vanden Berghen Ⓢ ETH(2), MLW(2), REU(1), SAO(2684).

Plagiochila batangensis Steph. 1917 = *Plagiochila praemorsa* Steph. 1886 (Jones 1962).

Plagiochila berthieui Steph. 1893 = *Plagiochila terebrans* Nees et Mont. 1840 (Vanden Berghen 1981).

- * ***Plagiochila bidentula*** Steph. Reported only from Annobón (Arnell 1956b) and Cameroun (Stephani 1918). Jones (1962) considered it to be probably a depauperate or abnormal form of another species.

Plagiochila blanda Steph. 1911 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

- *** ***Plagiochila boivinii*** Steph. Ⓢ MDG(1), REU(1).

Plagiochila bomanensis Steph. 1891 = *Plagiochila terebrans* Nees et Mont. 1840 (Jones 1962).

Plagiochila borbonica Mont. et Gottsche 1856 = *Plagiochila pectinata* Lindenb. 1839 (Vanden Berghen 1981).

Plagiochila borgenii Gottsche 1882, *nom. inval.* = *Plagiochila terebrans* Nees et Mont. 1840 (Vanden Berghen 1981).

- *** ***Plagiochila boryana*** Gottsche MAU(1), MDG(1), REU(1,4), TAN(2), UGA(42). Heinrichs (2002) considered the record from Mauritius to be dubious.

Plagiochila bovonei Gola 1920 = *Plagiochila fusifera* Taylor 1846 (Vanden Berghen 1972b).

Plagiochila breviramea Steph. 1911 = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila brevisedens Steph. 1918 = *Plagiochila divergens* Steph. 1891 (Jones 1962) = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).

- ** ***Plagiochila brunneola*** Steph. Ⓢ ETH(2), SAO(2,2684).

Plagiochila brunnthaleri Steph. 1913 = *Plagiochila effusa* Steph. 1895 (Jones 1962).

Plagiochila buensis Steph. 1904 = *Plagiochila moenkemeyeri* Steph. 1904 (Jones 1962).

Plagiochila buettneriana Steph. 1895 = *Plagiochila strictifolia* Steph. 1891 (Jones 1962).

Plagiochila bursata (Desv.) Lindenb. 1840 *nom. illeg.* = *Plagiochila aerea* Taylor 1846 (Grolle & Heinrichs 1999).

Plagiochila cacuminis Steph. 1918 = *Plagiochila praemorsa* Steph. 1887 (Jones 1962).

Plagiochila calva (Nees) Lindenb. 1839 = *Plagiochila javanica* (Sw.) Dumort. 1836 (Inoue 1984).

Plagiochila cambouena Steph. 1904, *nom. inval.* = *Plagiochila cambouena* Steph. 1890 (Grolle 1995).

Plagiochila cambouena Steph. 1890 = *Plagiochila corrugata* (Nees) Nees et Mont. 1838 (Heinrichs *et al.* 2004).

Plagiochila camerunensis Steph. 1902 = *Plagiochila africana* Steph. 1902 (Jones 1962).

Plagiochila campylodonta (Hook.f. et Taylor) Gottsche, Lindenb. et Nees 1845 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Mitten 1864; Grolle 1972) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).

Plagiochila candelabra Steph. 1904 = *Plagiochila pinniflora* Steph. 1891 (Jones 1962).

Plagiochila capensis Steph. 1904 = *Plagiochila divergens* var. *capensis* (Steph.) E.W.Jones 1962 (Jones 1962). *P. divergens* was synonymised with *P. kiaeri* by Grolle (1995).

Plagiochila carduifolia Steph. 1904 = *Plagiochila africana* Steph. 1902 (Jones 1962).

Plagiochila chenagonii Steph. 1892 = *Plagiochila angusta* Lindenb. 1843 (Grolle 1995).

- * ***Plagiochila chiovendae*** Gola Ⓢ Known only from the type from Ethiopia (Gola 1914a).

Plagiochila chiovendae fo. *corticola* Gola Ⓢ Known only from the original collections from Ethiopia (Gola 1914).

- * ***Plagiochila circumvoluta*** Gerola Ⓢ Known only from the type from Ethiopia (Gola 1914a).

Plagiochila clavaeflora Steph. 1891 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

Plagiochila collicalyx Steph. 1904 = *Plagiochila flabellata* Steph. 1886 (Jones 1962).

- *** ***Plagiochila colorans*** Steph. Ⓢ ETH(2), KEN(2,71,731), RWA(2,2864), TAN(2), UGA(2,96), DRC(2).

Plagiochila comorensis Steph. 1888 = *Plagiochila pectinata* Lindenb. 1839 (Jones 1962; Grolle 1995).

Plagiochila comorensis fo. *johannensis* Herzog 1947, nom. inval. = *Plagiochila terebrans* Nees et Mont. 1840 (Grolle 1995).

Plagiochila congoana Steph. 1918 = *Plagiochila neckeroidea* Mitt. 1860 (Jones 1962).

Plagiochila corniculata auct. [non Dumort. 1835] = *Plagiochila exigua* (Taylor) Taylor 1846 (Grolle 1983b).

*** ***Plagiochila corrugata*** (Nees) Nees et Mont. COM(2169), IVO(53), MDG(1), MLW(114), ROD(723), TAN(2).

Plagiochila corymbulosa Pearson 1886 probably = *Plagiochila heterostipa* Steph. 1892 (Jones 1962).

Plagiochila crisi-p-crista Steph. 1904 = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila crispulocaudata Gottsche 1882 = *Plagiochila squamulosa* var. *crispulocaudata* (Gottsche) Vanden Berghen 1981 (Vanden Berghen 1981).

Plagiochila cristato-dentata Steph. 1904 = *Adelanthus unciformis* (Taylor) Mitt. 1864 (Vanden Berghen 1965) = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Grolle 1972).

Plagiochila crollii Steph. 1904 = *Plagiochila incerta* Gottsche 1857 (Grolle 1995).

Plagiochila cumminsiana Steph. 1918 = *Plagiochila praemorsa* Steph. 1886 (Jones 1962).

Plagiochila curvatifolia Steph. 1886 = *Plagiochila neckeroidea* Mitt. 1860 (Jones 1962).

Plagiochila decurrents Steph. 1901 = *Plagiochila moenkemeyeri* Steph. 1904 (Jones 1962).

*** ***Plagiochila dichotoma*** (P.Beauv.) Nees et Mont. NGA(2). Known only from the type (of *Carpolepidium dichotomum*), described by Palisot de Beauvois in 1804. Jones (1962) considered it to be close to *P. fusifera*.

Plagiochila dichotoma var. *elongata* Lindenb. ex Gottsche, Lindenb. et Nees 1844 = *Plagiochila paucidentata* Mont. et Gottsche 1856 (Grotsche 1857).

Plagiochila dichotoma var. *laxa* Gottsche, Lindenb. et Nees 1844 = *Plagiochila integerrima* Steph. 1886 (Grolle 1995).

Plagiochila dicrana Mitt. 1886 = *Plagiochila drepanophylla* Sande Lac. 1857 (Grolle 1995).

Plagiochila divergens Steph. 1891 = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).

Plagiochila divergens var. *capensis* (Steph.) E.W.Jones 1962 = *Plagiochila kiaeri* var. *capensis* (fide Wigington & Grolle 1996).

Plagiochila divergens var. *myriocarpa* (Pearson) E.W.Jones 1962 = *Plagiochila kiaeri* var. *myriocarpa* (Pearson) Pócs 2007 (Pócs & Luke 2007).

Plagiochila divergens var. *sparsa* (Steph.) Vanden Berghen 1981 - treated by Grolle (1995) under *Plagiochila kiaeri* Gottsche 1882.

*** ***Plagiochila drepanophylla*** Sande Lac. (E) MDG(1), REU(1), TAN(2,2785).

Plagiochila dschaggana Steph. 1891 probably = *Plagiochila sinuosa* Mitt. 1886 (Jones 1962) = *Plagiochila squamulosa* var. *sinuosa* (Mitt.) Vanden Berghen 1981 (Vanden Berghen 1981).

*** ***Plagiochila effusa*** Steph. (E) ANG(2,822), BIO(33,72), KEN(2,731), MLW(114), RIM(10), TAN(2), UGA(2).

Plagiochila elongensis Pearson 1924 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

Plagiochila elongata Gottsche ex P.Geissler et Bischl. 1989, nom. inval. = *Plagiochila paucidentata* Mont. et Gottsche 1856 (Grotsche 1857).

Plagiochila emarginata Mont. et Gottsche 1856 = *Adelanthus decipiens* (Hook.) Mitt. 1864 (Grolle 1995) = *Pseudomarsupidium decipiens* (Hook.) Grolle 1963 (Grolle 1963b).

Plagiochila engleriana Steph. 1895 = *Plagiochila lastii* Mitt. 1886 (Jones 1962).

*** ***Plagiochila ericicola*** Steph. (E) DRC(2), KEN(2), RWA(2,2864), TAN(2), UGA(2,96).

* ***Plagiochila erythraeae*** Herzog (E) ERI(2). To be re-assessed. Not examined by Vanden Berghen (1976).

Plagiochila esterhuysenii S.W.Arnell 1954 probably = *Plagiochila squamulosa* var. *crispulocaudata* (Grotsche) Vanden Berghen 1981 (Jones 1962).

Plagiochila evansii Steph. 1904 = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).

*** ***Plagiochila exigua*** (Taylor) Taylor DRC(2,667), ETH(2), KEN(2,759), LES(75), MLW(114), REU(1), RWA(2864,2938), SAF(2,75), TAN(2), UGA(42).

Plagiochila expallescens Steph. 1904 = *Plagiochila divergens* Steph. 1891 (Jones 1962) = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).

* ***Plagiochila filicicola*** Steph. (E) Known only from the type from Uganda (Stephani 1911a). Not examined by Jones (1962).

Plagiochila filiformis Gottsche ex Dugas 1928 = *Plagiochila terebrans* Nees et Mont. 1840 (Grolle 1995).

Plagiochila fissicalyx Steph. 1902 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Vanden Berghen 1981).

*** ***Plagiochila flabellata*** Steph. (E) BIO(1718), CMN(2), PRI(2684), REU(1), SAO(2,2684), SEY(1), TAN(2).

Plagiochila flagellaris Steph. ex Renaud 1909, nom. inval. = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

Plagiochila fragilifolia Pearson 1922 = *Plagiochila praemorsa* Steph. 1886 (Jones 1962).

** *Plagiochila fracta* Pócs (E) MDG(720,2730).

Plagiochila frapieri Dugas 1928 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Grolle 1995).

Plagiochila frappieri Gottsche ex Besch. 1895, nom. inval. = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Grolle 1995).

Plagiochila frondescens (Nees) Lindenb. 1840. Excluded; records of this East Asian taxon reported by Gola (1914b) from Ethiopia must represent another species.

Plagiochila furcata Steph. 1892 = *Plagiochila angusta* Lindenb. 1843 (Vanden Berghe 1981).

Plagiochila fuscovirens Steph. 1918 probably = *Plagiochila squamulosa* var. *crispulocaudata* (Gottsche) Vanden Berghe 1981 (Jones 1962).

*** *Plagiochila fusifera* Taylor CAF(2), CMN(2), DRC(2), ETH(2,2345), GAB(2), GHA(2,3013), GUI(2), IVO(2,53), KEN(2,731), MLW(2,114), NGA(2,3083), RWA(2,2864), SEN(722), SEY(2785), SIE(2), SAO(2684), SOC(1069), SOM(2), TAN(2), TOG(2,101), UGA(2), ZAM(2).

Plagiochila aff. *fusifera* Taylor SEY(4).

* *Plagiochila gaffatensis* Gottsche ex Schweinf. (E) Known only from the type from Ethiopia (Gottsche 1867).

Plagiochila gasongorii Gola 1914 = *Plagiochila lastii* Mitt. 1886 (Jones 1962).

Plagiochila gentiliana Steph. 1902 = *Plagiochila neckeroidea* Mitt. 1860 (Jones 1962).

* *Plagiochila gibbiflora* Steph. (E) SAO(2). Known only from the type (Stephani 1904). Jones (1962) considered it to be "probably or certainly distinct ... perhaps allied to *P. moenkemeyeri*."

Plagiochila gottschiana Lindenb. ex Lehm. 1844 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Arnell 1955, Grolle 1963a).

** *Plagiochila granditexta* Steph. (E) MDG(1). Known only from the type (Stephani 1904). Treated as distinct by Vanden Berghe (1981).

Plagiochila grossealata Steph. 1918 perhaps = *Plagiochila praemorsa* Steph. 1886 or *Plagiochila moenke-meyeri* Steph. 1904 (Jones 1962).

** *Plagiochila haumanii* Herzog (E) DRC(2), KEN(21), MOZ(2), SAF(2), UGA(2).

Plagiochila hedbergii S.W.Arnell 1956 = *Plagiochila ericicola* Steph. 1904 (Jones 1962).

Plagiochila henriquesii Steph. 1904 perhaps = *Plagiochila divergens* Steph. 1891 or *Plagiochila heterostipa* Steph. 1892 (Jones 1962).

** *Plagiochila heterostipa* Steph. (E) ANG(2), BUR(2), DRC(2,822), GAB(2), IVO(53), KEN(2), MLW(2,114), PRI(2750), RWA(2,2864), SAF(2), SWZ(2), TAN(2785), UGA(50,96), ZIM(2).

Plagiochila heudelotiana Steph. 1904 = *Plagiochila fusifera* Taylor 1846 (Jones 1962).

Plagiochila heudelotiana Steph. ex Paris 1902, nom. inval. = *Plagiochila fusifera* Taylor 1846 (Jones 1962).

Plagiochila hildebrandtii Steph. 1902 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Vanden Berghe 1981).

** *Plagiochila hiroshiana* Pócs (E) TAN(1804).

Plagiochila hochstetteri Nees ex Lindenb. 1843 perhaps = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila imerinensis Steph. 1904 = *Plagiochila kiaeri* Gottsche 1882 (Vanden Berghe 1981).

** *Plagiochila incerta* Gottsche (E) COM(2785), MAU(1), MDG(1,720), REU(1).

* *Plagiochila injasutiensis* S.W.Arnell (E) SAF(2,75). Jones (1962) considered it probably a depauperate, entire-leaved form of *P. sarmentosa* (Lehm. et Lindenb.) Lindenb.

** *Plagiochila insularia* Mitt. (E) STH(2895). Known only from the type from St Helena (Mitten 1875). To be reassessed.

*** *Plagiochila integerrima* Steph. (E) ANN(2848), BIO(2,33,36,72), BUR(2), CAF(2), CMN(2,1892), CON(2,1892), DRC(2,130,1892), ETH(2345,3012), GAB(2), GHA(2,3013), GUI(1892), IVO(2,53), KEN(2,731,1892), MAU(1,2170), MDG(1), MLW(114), MOZ(2736), NGA(2), PRI(2684), REU(1), RIM(10), RWA(2,130,2864), SAO(2,2684), SEY(1), SIE(2), TAN(2,1892), UGA(2,96), ZIM(2).

Plagiochila javanica (Sw.) Nees et Mont. 1836. Records from Africa are treated as erroneous (Jones 1962; Grolle 1995).

Plagiochila johannensis Steph. 1902 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Vanden Berghe 1981).

Plagiochila jollyana Steph. 1902 = *Plagiochila neckeroidea* Mitt. 1860 (Jones 1962).

Plagiochila jungneri Steph. 1904 = *Plagiochila barteri* Mitt. 1886 subsp. *barteri* (Jones 1962).

Plagiochila kamerunensis Steph. 1918 = *Plagiochila strictifolia* Steph. 1891 (Jones 1962).

Plagiochila katangae Gola 1920 = *Plagiochila crispulocaudata* Gottsche 1882 (Vanden Berghe 1972b) = *Plagiochila squamulosa* var. *crispulocaudata* (Gottsche) Vanden Berghe 1981 (Vanden Berghe 1981).

- ** *Plagiochila kiaeri* Gottsche Ⓣ ANG(2), BUR(2), DRC(2,822), ETH(2345), KEN(2,2066), MDG(1,720), MLW(2,114), RWA(2,2864), SEY(4), TAN(2), UGA(2). Although *P. divergens* Steph. was placed in synonymy by Grolle (1995), there is some indication that the two species might be distinct (Heinrichs *et al.* 2005a).
- ** *Plagiochila kaieri* var. *capensis* Ⓣ ANG(2), SAF(2,75), ZIM(2). Grolle (1995) transferred *Plagiochila divergens* to *P. kaieri*. However, its var. *capensis* remains without an authority. Wigginton & Grolle (1996) deliberately did not make a new combination, and the variety has not been critically studied.
- ** *Plagiochila kiaeri* var. *myriocarpa* (Pearson) Pócs Ⓣ DRC(2), ETH(2), KEN(2,21,2066), MLW(2,114), RWA(2), TAN(2), UGA(2,96), ZAM(2).
Plagiochila knysnana S.W.Arnell 1954 = *Leptoscyphus expansus* (Lehm.) Grolle 1963 (Grolle 1963a).
- * *Plagiochila laevifolia* Gola Ⓣ Known only from the type from Kenya (Gola 1914a).
- *** *Plagiochila lastii* Mitt. Ⓣ ANG(2), DRC(2), ETH(2), KEN(2,71,731), MLW(2,114), RWA(2,2864), SAF(2,75), TAN(2), UGA(2,96), ZIM(2).
Plagiochila laxifolia Gottsche 1882 perhaps = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Jones 1962).
- * *Plagiochila lecontei* Steph. Ⓣ Congo français(2). To be re-assessed. Known only from the type (Stephani 1904). Jones (1962) listed this species under species "probably or certainly distinct", and considered it to be allied to or perhaps synonymous with *P. ledieui* Steph. and *P. multiflora* Steph.
- * *Plagiochila ledieui* Steph. Ⓣ 'Congo'(2). To be re-assessed. Known only from the type (Stephani 1904). See note under *P. lecontei* Steph.
Plagiochila lenormandii Gottsche 1882, *nom. inval.* = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Gottsche 1882).
Plagiochila ligulata Steph. 1904 = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Grolle 1995).
Plagiochila liliputana Herzog 1947 = *Plagiochila rodriguezii* Steph. 1890 (Grolle 1995).
Plagiochila lindblomii Pearson 1924 probably = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Jones 1962).
Plagiochila lindenbergiana (Lehm.) Gottsche, Lindenb. et Nees 1844 = *Adelanthus lindenbergianus* (Lehm.) Mitt. 1864 (Grolle 1972).
- * *Plagiochila lolensis* Steph. Ⓣ BIO(33), CMN(2), NGA(2), PRI(2684), SAO(2).
Plagiochila longicauda Steph. 1921 = *Plagiochila pinniflora* Steph. 1891 (Jones 1962).
Plagiochila lophophora R.M.Schust. 1959 = *Plagiochila exigua* (Taylor) Taylor 1846 (Inoue 1980, Grolle 1983b).
- *** *Plagiochila lunata* S.W.Arnell Ⓣ LES(75), SAF(2). *P. lunata* appears to belong in Sect. Choachinae, together with *P. haumannii*, *P. pseudoattenuata* and *P. wilmsiana*. The taxonomy of these plants and other unnamed forms is unclear (Grolle, in Wigginton & Grolle 1996).
Plagiochila lurida Steph. 1911 = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).
Plagiochila macrostachya Lindenb. 1840 The report from Réunion (Lindenberg 1843) belongs to *P. boryana* (Grolle 1995).
Plagiochila madagascariensis Gottsche 1882, *nom. inval.* [non Steph. 1904] = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Gottsche 1882).
Plagiochila madagascariensis Steph. 1904 [non Gottsche 1882] = *Plagiochila cambuena* Steph. 1890 (Vanden Berghe 1981).
Plagiochila maranguana Steph. 1895 = *Plagiochila divergens* Steph. 1891 (Jones 1962) = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).
Plagiochila mascarena Gottsche 1857 = *Plagiochila paucidentata* Mont. et Gottsche 1856 (Grolle 1995).
Plagiochila mauritiana (Nees) Lindenb. 1840 = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Vanden Berghe 1981).
Plagiochila mediocris Dugas 1928 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Grolle 1995).
- ** *Plagiochila moenkemeyeri* Steph. Ⓣ ANG(2848), BIO(2,33), CMN(2), DRC(2), ETH(2), GHA(2,3013), NGA(2), PRI(2374), RIM(10), SAO(2), SIE(2), TAN(2).
Plagiochila molleri Steph. 1886 probably = *Plagiochila flabellata* Steph. 1886 (Jones 1962).
- * *Plagiochila moschiensis* Steph. 1904. Known only from the type from Tanzania (Stephani 1904). Jones (1962) considered it may be a slender atypical form of *Plagiochila moenkemeyeri* Steph.
- * *Plagiochila multiflora* Steph. TAN(2). To be re-assessed. See note under *P. lecontei* Steph.
Plagiochila multisepala Steph. 1905 = *Plagiochila moenkemeyeri* Steph. 1904 (Jones 1962).
Plagiochila myriocarpa Pearson 1924 = *Plagiochila divergens* var. *myriocarpa* (Pearson) E.W.Jones (Jones 1962) = *Plagiochila kiaeri* var. *myriocarpa* ((Pearson) Pócs (Pócs & Luke 2007)).
Plagiochila natalensis Pearson 1886 perhaps = *Plagiochila heterostipa* Steph. 1892 (Jones 1962).
Plagiochila naveauiana Pearson 1922 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

- *** *Plagiochila neckeroidea* Mitt. Ⓣ ANG(2848), BIO(36), CMN(2), CON(2), DRC(2), GAB(2), GHA(2,3013), IVO(2,53), LBR(2), NGA(2), PRI(2684), RIM(10), SIE(2), UGA(42). The collections listed under Congo in Jones (1962) all appear to be belong to the Dem. Rep. Congo.
- * *Plagiochila negrii* Gola Ⓣ Known only from the type from Ethiopia (Gola 1914b).
- Plagiochila nemophila* Gottsche 1882 = *Plagiochila incerta* Gottsche 1857 (Grolle 1995).
 - Plagiochila noditexta* Steph. 1904 = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Grolle 1995).
 - Plagiochila nudicaulis* Steph. 1895 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).
 - Plagiochila nudiuscula* Gottsche 1882 = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Grolle 1995).
 - Plagiochila oblongotrigona* Steph. 1921 = *Plagiochila effusa* Steph. 1895 (Jones 1962).
 - Plagiochila ovatotrigona* Steph. 1904 = *Plagiochila moenemeyeri* Steph. 1904 (Jones 1962).
 - Plagiochila pallida* Gottsche 1882 = *Plagiochila angusta* Lindenb. 1843 (Grolle 1995).
 - Plagiochila pallidevirens* Steph. 1921 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Jones 1962).
- * *Plagiochila parvula* Steph. Ⓣ Known only from the type from Tanzania (Stephani 1913a).
- ** *Plagiochila paucidentata* Mont. et Gottsche Ⓣ MAS(1), MAU(1), MDG(1,720), REU(1).
- Plagiochila pearsonii* Steph. 1921 "pearsoni" = *Plagiochila praemorsa* Steph. 1886 or *Plagiochila heterostipa* Steph. 1892 or *Plagiochila kiaeri* Gottsche 1882 (Jones 1962).
- *** *Plagiochila pectinata* Lindenb. Ⓣ BIO(72), CMN(2), COM(1,4), DRC(2), GHA(2,3013), KEN(731), MAS(1), MAU(1,2170), MDG(1,720), MLW(114), PRI(2374), REU(1), RIM(10), RWA(2864), SAO(2), SEY(1,4), SIE(2), TAN(2785), UGA(50).
- Plagiochila perflorens* Gola 1920 = *Plagiochila crispulocaudata* Gottsche 1882 (Vanden Berghen 1972b) = *Plagiochila squamulosa* var. *crispulocaudata* (Gottsche) Vanden Berghen 1981 (Vanden Berghen 1981).
 - Plagiochila perllei* Gola 1914 = *Plagiochila sinuosa* Mitt. 1886 (Jones 1962) = *Plagiochila squamulosa* var. *sinuosa* (Mitt.) Vanden Berghen 1981 (Vanden Berghen 1981).
 - Plagiochila perrotana* Steph. 1904 = *Plagiochila repanda* var. *perrotana* (Steph.) Vanden Berghen 1981 (Vanden Berghen 1981).
- *** *Plagiochila pinniflora* Steph. Ⓣ ANG(2848), CMN(2), CON(2), DRC(2), GAB(2), GHA(2), IVO(2), NGA(2), RIM(10), SAO(2374), SIE(2), TOG(2), UGA(2,42).
- Plagiochila pomai* Pearson 1922 = *Plagiochila neckeroidea* Mitt. 1860 (Jones 1962).
- *** *Plagiochila praemorsa* Steph. ANG(2848), ANN(2,33), BIO(2,33,36), CAF(2), CMN(2), CON(2), DRC(2), ETH(2345,3012), GAB(2), GHA(2,3013), IVO(2,53), NGA(2), RIM(10), SAO(2,2684), SIE(2), UGA(2), ZAM(2).
- *** *Plagiochila pseudoattenuata* S.W.Arnell Ⓣ SAF(2,75). Arnell described this taxon in 1962, but treated it as a synonym of *Plagiochila subalpina* Steph 1891 nom. illeg. in 1963 (170). Heinrichs *et al.* (2005) placed *P. subalpina* Steph. 1891 in synonymy with *Plagiochila punctata* (Taylor) Taylor. Many records of *P. punctata* Steph. were listed under *P. pseudoattenuata* in Wigginton & Grolle (2005). The record of *P. pseudoattenuata* by Müller (2006) is now referred to *P. punctata*.
- *** *Plagiochila punctata* (Taylor) Taylor BIO(2,33,1718,1778), COM(1686), DRC(2,722,969,1686), KEN(2,722,1452), MDG(1,720,1686), ?MLW(722), REU(2785), RWA(969,2864), TAN(2,722,1686), UGA(2,1686). Jones 1962: 274 declined to name plants from Cameroon that had features resembling those of both *P. punctata* and *P. wilmsiana* Steph.
- Plagiochila quintasii* Steph. 1904 = *Plagiochila barteri* Mitt. subsp. *barteri* 1886 (Jones 1962).
 - Plagiochila radicans* Steph. 1902 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).
- * *Plagiochila ragazzii* Gola Ⓣ Known only from the original collections from Ethiopia and Eritrea (Gola 1914b). Not examined by Vanden Berghen (1976).
- Plagiochila ramentacea* Steph. 1921 = *Plagiochila pinniflora* Steph. 1891 (Jones 1962).
 - Plagiochila refracta* Brid. ex Gottsche 1857, nom. inval. = *Plagiochila paucidentata* Mont. et Gottsche 1856 (Gottsche 1857).
- *** *Plagiochila renauldii* Steph. Ⓣ MAU(1), REU(1).
- *** *Plagiochila repanda* (Schwägr.) Lindenb. Ⓣ COM(2366,2785), KEN(2), MAU(1,2170), MDG(1), MLW(2), REU(1), TAN(2785).
- ** *Plagiochila repanda* var. *perrotana* (Steph.) Vanden Berghen Ⓣ COM(1), MDG(1).
- Plagiochila replicatula* Steph. 1902 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Vanden Berghen 1981).
 - Plagiochila richardiana* Steph. 1902 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Vanden Berghen 1981).
 - Plagiochila rivana* Steph. 1921 perhaps = *Plagiochila fusifera* Taylor 1846 or *Plagiochila moenemeyeri* Steph. 1904 (Jones 1962).
 - Plagiochila rivularis* Steph. 1921 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).
- *** *Plagiochila rodriguezii* Steph. Ⓣ COM(1), MDG(1), REU(1), TAN(2785).

Plagiochila rotundifolia Steph. 1904, hom. illeg. [non Colenso 1888] = *Plagiochila loloensis* Steph. 1904 (Jones 1962).

Plagiochila* cf. *rodriguezii Steph. ROD(723).

- * ***Plagiochila rubricaulis*** Steph. ⑩ DRC(2,159), TAN(2,1150). Taxonomic status to be reassessed.

*** ***Plagiochila rudolfii*** Pócs ⑩ TAN(2).

Plagiochila runssorensis Steph. 1895 = *Plagiochila divergens* Steph. 1891 (Jones 1962) = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).

Plagiochila rupicola Steph. 1895 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

Plagiochila ruspoliana Steph. 1904 = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila rutenbergiana Gottsche 1882: 338 [non. p. 365, nom. inval.] = *Plagiochila repanda* (Schwägr.) Lindenb. 1840 (Stephani 1904).

Plagiochila ruwenzorensis Steph. 1911 = *Syzygiella geminifolia* (Mitt.) Steph. 1902 (Váňa 1985) = *Syzygiella manca* (Mont.) Steph. 1893 (Gradstein 2013c).

Plagiochila ruwenzoris Steph. 1921 = *Plagiochila colorans* Steph. 1911 (Jones 1962).

*** ***Plagiochila salvadorica*** Steph. ⑩ ANG(2), CAF(2), DRC(2), GHA(2,3013), GUI(48), IVO(53), SIE(2).

** ***Plagiochila sarmentosa*** (Lehm. et Lindenb.) Lindenb. ⑩ SAF(2).

Plagiochila schimperiana Steph. 1895 = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila securifolia Nees in Lindenb. 1840 = *Syzygiella securifolia* (Nees in Lindenb.) Inoue 1979 (Inoue 1979).

Plagiochila sikorae Steph. 1893 = *Plagiochila barteri* Mitt. subsp. *barteri* (Vanden Berghen 1981).

Plagiochila simplex (Sw.) Lindenb. 1840. Records from Réunion (Lindenberg) must represent another species (Grolle 1995). The species is unknown outside of the neotropics.

Plagiochila sinuosa Mitt. 1886 = *Plagiochila squamulosa* var. *sinuosa* (Mitt.) Vanden Berghen 1981 (Vanden Berghen 1981).

Plagiochila socorana Gerola 1947 probably = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila socorana var. *acuminata* Gerola 1947, probably = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

Plagiochila sparsa Steph. 1903 = *Plagiochila kiaeri* Gottsche 1882 (Vanden Berghen 1981).

Plagiochila spinulosa (Dicks.) Dumort - see *Plagiochila* sp.

Plagiochila sprengeri Steph. 1904 = *Plagiochila lastii* Mitt. 1886 (Jones 1962).

*** ***Plagiochila squamulosa*** Mitt. BIO(2,33), BUR(2), CMN(2), DJI(2), DRC(2), ERI(2), ETH(2,2345,3012), KEN(2,21,71,665,759), MLW(114), RWA(2,2816), SOM(2), TAN(2), UGA(2,96), ZAM(2).

** ***Plagiochila squamulosa*** var. *crispulocaudata* (Gottsche) Vanden Berghen ⑩ CMN(2), DRC(2,2816), ETH(2), KEN(2,21,71,665,2066), LES(75), MDG(1), MLW(2,114), MOZ(2), REU(1), RWA(2), SAF(2,75), TAN(2), UGA(50), ZAM(2), ZIM(2).

** ***Plagiochila squamulosa*** var. *sinuosa* (Mitt.) Vanden Berghen ⑩ ANG(2), BUR(2), DRC(2,822), ETH(2), KEN(2,21,71,665,731), MAU(1), MDG(1), MLW(2,114), REU(1), RWA(2,2864), TAN(2), UGA(2,96), ZAM(2), ZIM(2).

Plagiochila squarrosifolia Steph. 1921 = *Plagiochila integerrima* Steph. 1886 (Jones 1962).

Plagiochila stahlii Steph. 1921 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Jones 1962).

* ***Plagiochila stolzii*** Steph. Known only from the type from 'Africa occidentalis' (Stephani 1922).

*** ***Plagiochila stricta*** Lindenb. COM(2785), MDG(1196).

*** ***Plagiochila strictifolia*** Steph. ⑩ ANG(2), ANN(2,33), BIO(2), CAF(2), CMN(2), DRC(2,130), GHA(2,3013), IVO(2,53), KEN(731), MLW(2,114), NGA(2), PRI(2,2684), SAO(2,2684), SIE(2), TAN(2), TOG(2,101), UGA(2,96), ZAM(2).

Plagiochila stuhlmannii Steph. 1895 = *Plagiochila divergens* Steph. 1891 (Jones 1962) = *Plagiochila kiaeri* Gottsche 1882 (Grolle 1995).

Plagiochila subalpina Steph. 1891, nom. illeg. = *Plagiochila punctata* (Taylor) Taylor 1846 (Heinrichs *et al.* 2005).

Plagiochila subcrispula Steph. 1921 = *Plagiochila africana* Steph. 1902 (Jones 1962).

Plagiochila subintegerrima (Reinw., Blume et Nees) Mont. et Nees 1839 = *Syzygiella subintegerrima* (Reinw., Blume et Nees) Spruce 1895 (Grolle 1995).

Plagiochila sublinearis Gottsche 1882 = *Plagiochila terebrans* Nees et Mont. ex Lindenb. 1840 (Grolle 1995).

Plagiochila subquadrata Steph. 1913 = *Plagiochila sarmentosa* (Lehm. et Lindenb.) Lindenb. 1840 (*fide* Arnell 1963).

Plagiochila subrepanda Steph. 1921 = *Plagiochila pinniflora* Steph. 1891 (Jones 1962).

Plagiochila subtenuis Steph. 1902. The record from Réunion (1) is a misidentification, and belongs to *P. terebrans* (Grolle 1995).

Plagiochila superba (Nees ex Spreng.) Mont. et Nees 1839 The report from Mauritius (Gottsche *et al.* 1844) belongs to *P. boryana* Gottsche ex Steph. (Jones 1962).

Plagiochila telekii Steph. 1891 probably = *Plagiochila squamulosa* var. *crispulocaudata* (Gottsche) Vanden Berghen 1981 or *Plagiochila squamulosa* var. *sinuosa* (Mitt.) Vanden Berghen 1981 (Jones 1962).

Plagiochila tenax Steph. 1890 = *Plagiochila pectinata* Lindenb. 1839 (Jones 1962).

*** ***Plagiochila terebrans*** Nees et Mont. Ⓣ ANG(2), ANN(2,33), BIO(36), CMN(2), COM(1,4), DRC(2), ETH(2345), IVO(53), KEN(2), MAS(1), MAU(2170), MDG(1,720), MLW(2,114), MOZ(2736), PRI(2684), REU(1), RIM(10), RWA(2,2864), SAF(2), SAO(2,2684), TAN(2), UGA(2,96).

Plagiochila thomeensis Steph. 1886 = *Plagiochila terebrans* Nees et Mont. 1840 (Jones 1962).

Plagiochila togoensis Steph. 1895 = *Plagiochila strictifolia* Steph. 1891 (Jones 1962).

Plagiochila triangularis Steph. 1886 = *Plagiochila barteri* Mitt. var. *barteri* 1886 (Jones 1962).

* ***Plagiochila tricuspis*** Steph. Ⓣ ANN(2), BIO(33), SAO(2). Taxonomic status to be re-assessed.

Plagiochila tridenticulata auct. [non Dumort. 1835] = *Plagiochila exigua* (Taylor) Taylor 1846 (Grolle 1983b).

Plagiochila ubangiensis Steph. 1921 perhaps = *Plagiochila terebrans* Nees et Mont. 1840 (Jones 1962).

Plagiochila uhliglii Steph. 1921 = *Plagiochila colorans* Steph. 1911 (Jones 1962).

Plagiochila undulata Dugas 1928, hom. illeg. [non (L.) Mont. et Nees 1838] = *Plagiochila cambuena* Steph. 1890 (Grolle 1995).

Plagiochila uondana Gola 1914 probably = *Plagiochila squamulosa* Mitt. 1863 (Jones 1962).

* ***Plagiochila usambaranana*** Steph. Ⓣ Known only from the type from Tanzania (Stephani 1902).

Plagiochila valida Steph. 1904 = *Plagiochila barteri* var. *valida* (Steph.) Vanden Berghen 1981 (Vanden Berghen 1981).

Plagiochila vignolii Gola 1914 = *Plagiochila sinuosa* Mitt. 1886 (Jones 1962) = *Plagiochila squamulosa* var. *sinuosa* (Mitt.) Vanden Berghen 1981 (Vanden Berghen 1981).

Plagiochila volkensii Steph. 1895 = *Plagiochila lastii* Mitt. 1886 (Jones 1962).

** ***Plagiochila wilmsiana*** Steph. Ⓣ SAF(2). Taxonomic status to be re-assessed. See Jones (1962).

* ***Plagiochila winteri*** Steph. Plants from Cameroon and São Tomé have been named a *P. winteri* Steph., but more than one taxon may be involved (*fide* Jones 1962). To be reassessed.

Plagiochila sp. (sect. *Choachinae*) CMN(722). A distinct taxon from Cameroon Mt., described by Jones (1962) as similar to *P. wilmsiana*; placed in error under the latter species in (2).

Plagiochila sp. (?sect. *Zonatae*) CMN(722). Overlooked in (2). According to Jones (1962), resembling *Plagiochila yakusimensis* (sic) [= *Plagiochila semidecurrens* (Lehm. et Lindenb.) Lindenb.], but could not be named.

Plagiochila sp. STH(2895). Reported in Wigginton (2012) as *Plagiochila spinulosa* (Dicks.) Dumort., but the author now considers it more closely resembles *Plagiochila punctata* (Taylor) Taylor. Further study is indicated.

Plectocolea subbalfourii Bakalin 2013 = *Solenostoma balfourii* (Váňa) Váňa, Hentschel et Heinrichs 2013 (Váňa *et al.* 2013f).

Pleuroschisma convexa Steph. 1895 = *Jungermannia convexa* Thunb. 1800, hom. illeg. [non Scop. 1772] (Geissler & Bischler 1989) = *Bazzania nitida* (F. Weber) Grolle 1960 (Grolle 1960b).

*** ***Pleurozia gigantea*** (F. Weber) Lindb. MAU(1,2170), MDG(720), REU(1,4), SAO(2), SEY(4), STH(2,49,2895), TAN(2).

Pleurozia gigantea var. *major* (J.B.Jack) A. Evans 1892 = *Pleurozia gigantea* (F. Weber) Lindb. 1874 (Thiers 1993).

Pleurozia sphagnoides Trevis. 1877 = *Pleurozia gigantea* (F. Weber) Lindb. 1874 (Thiers 1993).

*** ***Plicanthes birmensis*** (Steph.) R.M.Schust. MDG(1), MLW(114,2143). Vilnet *et al.* (2010) considered *Plicanthes birmensis* perhaps closely related to *Tetralophozia*, and may be a species of it. Grolle (1995) considered it might be a depauperate form of *Plicanthes hirtellus*.

** ***Plicanthes giganteus*** (Steph.) R.M.Schust. Ⓣ DRC(2), ETH(2), KEN(2), RWA(2,2864), TAN(2), UGA(2,96,1426). Sometimes treated as a subspecies of *Plicanthes hirtellus* (e.g. Pócs and Lye 1999).

*** ***Plicanthes hirtellus*** (F. Weber) R.M.Schust. BIO(36), CMN(2), COM(1), DRC(2), ETH(2,2345), KEN(2,71), MAU(1), MDG(1,720), MLW(2,114), MOZ(2736), REU(1,4), RWA(2,2864), SAF(2), SAO(2,2684), SEY(1), SIE(2), TAN(2,2818), UGA(2,42,50,96,1426), ZIM(2).

** ***Porella abyssinica*** (Nees) Trevis. var. *abyssinica* Ⓣ DRC(2), ETH(2), ERI(861), KEN(2,71), RWA(2,2864), TAN(2).

- ** *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs ⑧ BUR(2), ETH(2,2345,3012), KEN(2,21,665,2066), MDG(1), MLW(109), MOZ(2), SAF(2), SAO(2374), TAN(2), UGA(2,96).
- *** *Porella arboris-vitae* (With.) Grolle CVI(2,37).
- ** *Porella capensis* (Gottsche) Mitt. ⑧ ETH(2), KEN(2), MLW(109), SAF(2,75), TAN(2), UGA(96), ZIM(2).
- ** *Porella cucullistipula* Steph. ⑧ COM(1), MAU(1,43,2170), MDG(1).
Porella hoehneliana Steph. ex S.W.Arnell 1957, nom. inval. = *Porella hoehnelii* Steph. 1891 (Jones 1963) = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).
Porella hoehnelii Steph. 1891 = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).
Porella keniana (Steph.) S.W.Arnell 1956, nom. inval. = *Porella hoehnelii* Steph. 1891 (Jones 1963) = *Porella abyssinica* var. *hoehnelii* (Steph.) Pócs 1994 (Pócs 1994c).
Porella laevigata (Schrad.) Pfeiffer 1855 = *Porella arboris-vitae* (With.) Grolle 1969 (Grolle 1969).
- ** *Porella madagascariensis* (Nees et Mont.) Trevis. MDG(1,861).
Porella matongae (Herzog) S.W.Arnell 1963 = *Porella vallis-gratiae* (Gottsche ex Steph.) E.W.Jones 1963 (Grolle 1965).
Porella mattirolii (Gola) S.W.Arnell, nom. illeg. Known only from the type from Ethiopia (Gola 1914a, as *Madotheca mattirolii*).
- ** *Porella montantii* (Steph.) E.W.Jones ⑧ MDG(1,861).
Porella nilgheriensis (Mont.) Trevis. 1877. The report from Madagascar (Stephani 1910) must belong to another species (Grolle 1995).
- ** *Porella prolixa* (Gottsche) E.W.Jones ⑧ REU(1,861).
- ** *Porella subdentata* (Mitt.) Steph. var. *subdentata* ⑧ ANG(2), CAF(2), CMN(2), DRC(2), ETH(2), GAB(2), GHA(2), GUI(2), IVO(51), KEN(2,665), MLW(109), NGA(2), PRI(2,2684), RWA(2), SAO(2,2684), SIE(2), TAN(2), TOG(2), UGA(2,96), ZAM(2).
- ** *Porella subdentata* var. *camerunensis* E.W.Jones ⑧ BIO(2,33), CMN(2), GHA(2), SAO(2684).
- *** *Porella swartziana* (F.Weber) Trevis. SAF(2095).
- ** *Porella triquetra* (Steph.) E.W.Jones ⑧ ETH(2), MDG(1), MLW(2), REU(1), TAN(2), ZIM(2).
- *** *Porella vallis-gratiae* (Gottsche ex Steph.) E.W.Jones MOZ(2), SAF(2,75).
Potamolejeunea holtii (Spruce) Greig-Smith 1948 = *Lejeunea holtii* Spruce 1887 (Paton 1999).
Prionolejeunea aberrans Steph. 1923 = *Lejeunea papilionacea* Prantl 1892 (Jones & Harrington 1983).
Prionolejeunea corbisieri Pearson 1922 = *Cheilolejeunea* sp. (Ilkuu-Borges 2005).
Prionolejeunea deplanata Schiffn. 1893 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
Prionolejeunea exarmata Steph. 1913 = *Lejeunea papilionacea* Prantl 1892 (Grolle 1981b).
Prionolejeunea fissistipula Steph. 1913 = *Drepanolejeunea physifolia* (Gottsche) Pearson 1892 (Wigginton & Grolle 1996).
- *** *Prionolejeunea grata* (Gottsche) Schiffn. ANN(2,33), BIO(72,1778), CMN(2,2476), COM(1,4,2476), DRC(2,2476), GAB(2,2476), GHA(2,2476,3013), IVO(2), MAU(1,2170,2476), MDG(1,720,2476), MLW(563), NGA(2,2476), PRI(2), REU(1,2476), RIM(10), RWA(2,130,2476,2864), SAO(2), SEY(1,2476), TAN(2,2476), UGA(50), ZIM(2).
Prionolejeunea hamidens Herzog 1947 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
Prionolejeunea kindbergii (Prantl) Schiffn. 1893 = *Prionolejeunea serrula* (Mitt.) Steph. 1913 (Vanden Berghen 1973) = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
Prionolejeunea madagascariensis Steph. 1923 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
- *** *Prionolejeunea principensis* Vanden Berghen ⑧ PRI(2,2476,2684).
Prionolejeunea cf. *principensis* Vanden Berghen BIO(1778). Sterile material was reported from Bioko by Müller & Pócs (2007).
Prionolejeunea pyriflora Steph. 1923 = *Cheilolejeunea cordigera* (Steph.) Grolle 1977 (Grolle 1977).
Prionolejeunea rutenbergiana (Gottsche) Steph. 1913 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
Prionolejeunea rutenbergii Pearson 1892, nom. inval. = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
Prionolejeunea serrula (Mitt.) Steph. 1913 = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
Prionolejeunea uncatifolia Pearson 1922 probably = *Prionolejeunea serrula* (Mitt.) Steph. 1913 (Vanden Berghen 1973) = *Prionolejeunea grata* (Gottsche) Schiffn. 1893 (Grolle 1978).
- *** *Pseudomarsupidium decipiens* (Hook.) Grolle BIO(2,33), CMN(2), COM(4), DRC(2),

ETH(2), MAU(1,2170), MDG(720), MLW(2,109), REU(1), RWA(142,2864), SAF(2,75), STH(2,2895), TAN(2), UGA(42,50).

*** *Psiloclada clandestina* Mitt. SAF(2). The South African taxon was assigned to subsp. *spinosa* (S.W.Arnell) R.M.Schust. in Schuster (2000).

Ptychanthus dioicus (Sim) S.W.Arnell 1953 = *Ptychanthus africanus* Steph. 1907 (Verdoorn 1934, Ahonen *et al.* 2005).

Ptychanthus integrifolius Steph. 1912 = *Ptychanthus africanus* Steph. 1907 (Verdoorn 1934, Ahonen *et al.* 2005).

Ptychanthus pallidus Steph. 1912 = *Ptychanthus africanus* Steph. 1907 (Verdoorn 1934, Ahonen *et al.* 2005).

Ptychanthus pycnocladus Taylor 1846 = *Acrolejeunea pycnoclada* (Taylor) Schiffn. 1893 (Gradstein 1975).

** *Ptychanthus africanus* Steph. Ⓣ BIO(1718), BUR(2), CMN(2), DRC(2,822),

ETH(2,2345,3012), GUI(48), IVO(51), KEN(2,731,2066), MDG(1), MLW(2,563), MOZ(2), RWA(2,2864), SAF(2,75), SIE(2), TAN(2), UGA(2,96), ZAM(2), ZIM(2). Differentiation from *P. striatus* (Lehm. et Lindenb.) Nees is discussed in Ahonen *et al.* (2005).

Ptychanthus striatus (Lehm. et Lindenb.) Nees - an Asian/Australasian species (see above).

Ptychanthus tumidus Nees 1838 = *Schiffneriolejeunea tumida* (Nees) Gradst. 1974 (Gradstein 1974).

Ptychocoleus abnormis (Gottsche) Steph. 1912 = *Phragmicoma abnormis* Gottsche 1882 (Grolle 1995). See note under *Acrolejeunea abnormis* (Gottsche) Pearson 1892.

Ptychocoleus africanus Steph. 1912 = *Ptychocoleus molleri* (Steph.) Steph. (Vanden Berghen 1948a) = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1974).

Ptychocoleus amplexens Steph. 1912 = *Lejeunea amplexens* (Steph.) Steph. 1890 (Geissler & Bischler 1989) = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1975).

Ptychocoleus borgenii Steph. 1912 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein 1975, Gradstein & Vanden Berghen 1985).

Ptychocoleus confertissimus (Steph.) Steph. 1912 = *Acrolejeunea emergens* var. *confertissima* (Steph.) Gradst. 1975 (Gradstein 1975).

Ptychocoleus convexus (Steph.) Steph. 1912 = *Evansiolejeunea renistipula* (Steph.) Vanden Berghen 1948 (Vanden Berghen 1948c) = *Evansiolejeunea roccatii* (Gola) Vanden Berghen 1960 (Vanden Berghen 1960a) = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye *et al.* 2015).

Ptychocoleus emergens (Mitt.) Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

Ptychocoleus ferrugineus (Steph.) Steph. 1912 = *Schiffneriolejeunea ferruginea* (Steph.) Gradst. 1974 (Gradstein 1974).

Ptychocoleus flagelliferus Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Jones 1954d, Gradstein 1975).

Ptychocoleus floribundus Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

Ptychocoleus fulvus (Gottsche) Steph. 1912 = *Phragmicoma fulva* Gottsche 1882 (Geissler & Bischler 1989) = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Geissler & Gradstein 1994).

Ptychocoleus fuscescens (Gola) Steph. 1912, hom. illeg. [non (Hampe ex Lehm.) Trevis. 1877] = *Leucolejeunea xanthocarpa* (Lehm. et Lindenb.) A.Evans 1907 (Gradstein 1975) = *Cheilolejeunea xanthocarpa* (Lehm. et Lindenb.) Malombe 2009 (Malombe 2009).

Ptychocoleus grossispicus Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

Ptychocoleus henriquesii Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

Ptychocoleus inermis Steph. 1912 = *Lopholejeunea erugata* B.Thiers 1984 [non *Lopholejeunea inermis* Steph. 1912] (Thiers 1984).

Ptychocoleus inflexus (Gottsche) Steph. 1912 = *Phragmicoma inflexa* Gottsche 1882. See note under *Acrolejeunea inflexa* (Gottsche) Pearson 1892.

Ptychocoleus madagascariensis Steph. 1912 = *Schiffneriolejeunea madagascariensis* (Steph.) Gradst. 1974 (Gradstein 1974).

Ptychocoleus molleri (Steph.) Steph. 1912 = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1975).

Ptychocoleus occultus (Steph.) Steph. 1912 = *Schiffneriolejeunea occulta* (Steph.) Gradst. 1974 (Gradstein 1974).

Ptychocoleus orchidea (Pearson) Demaret 1942 = *Ptychocoleus molleri* (Steph.) Steph. (Vanden Berghen 1948a) = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1975).

Ptychocoleus pappeanus (Nees) Steph. 1912 = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein & Vanden Berghen 1985).

Ptychocoleus parvilibus (Steph.) Steph. 1912 = *Schiffneriolejeunea parviloba* (Steph.) Gradst. 1974 (Gradstein 1974).

Ptychocoleus polycarpus (Nees) Trevis. 1877 = *Schiffneriolejeunea polycarpa* (Nees) Gradst. 1974 (Gradstein 1974).

Ptychocoleus pusillus Steph. 1912 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).

Ptychocoleus quintasii Steph. 1912 = *Ptychocoleus pappeanus* (Nees) Steph. 1912 (Jones 1954d) = *Schiffneriolejeunea pappeana* (Nees) Gradst. 1974 (Gradstein & Vanden Berghen 1985).

Ptychocoleus renaudii Steph. 1912 = *Acrolejeunea aulacophora* (Mont.) Steph. 1895 (Gradstein 1975).

- Ptychocoleus renauldi* var. *victoriae* E.W.Jones 1954 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Gradstein 1975).
- Ptychocoleus roccatii* (Gola) Steph. 1912 = *Evansiolejeunea roccatii* (Gola) Vanden Berghen 1960 (Vanden Berghen 1960a) = *Omphalanthus roccatii* (Gola) R.M.Schust. 2006 (Schuster 2006) = *Cheilolejeunea roccatii* (Gola) W.Ye, R.L.Zhu et Gradst. 2015 (Ye *et al.* 2015).
- Ptychocoleus rupestris* Herzog 1948 = *Acrolejeunea emergens* (Mitt.) Steph. 1895 (Vanden Berghen 1965, Gradstein 1975).
- Ptychocoleus vanderystii* Steph. 1912 = *Acrolejeunea emergens* var. *confertissima* (Steph.) Gradst. 1975 (Jones 1954d, Gradstein 1975).
- Ptychocoleus yangambiensis* Vanden Berghen 1951 = *Caudalejeunea yangambiensis* (Vanden Berghen) E.W.Jones 1957 (Vanden Berghen 1978a).
- Ptycholejeunea dioica* Sim 1926 = *Ptychanthus africanus* Steph. 1907 (Verdoorn 1934, Ahonen *et al.* 2005).
- Ptycholejeunea striata* (Lehm. et Lindenb.) Steph. 1895 = *Ptychanthus striatus* auct. = *Ptychanthus africanus* Steph. 1907 (Ahonen *et al.* 2005).
- Pycnolejeunea africana* Steph. 1923 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1974a, Jones 1976b).
- Pycnolejeunea angustiflora* Steph. 1914 = *Cheilolejeunea cordistipula* (Steph.) Grolle ex E.W.Jones 1985 (Jones 1985a).
- Pycnolejeunea bidentula* Steph. in J.B.Jack et Steph. 1894 = *Lepidolejeunea bidentula* (Steph.) R.M.Schust. 1980 (Piippo 1986).
- *** ***Pycnolejeunea contigua*** (Nees) Grolle COM(4), GHA(2,14), MDG(1,14), NGA(2,14), RIM(10), SIE(2,14), TAN(2,14).
Pycnolejeunea decurrens Steph. 1914 = *Cheilolejeunea decurrens* (Steph.) X.-L. He 1995 (He 1995) = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (K.Yamada, in Wigginton & Grolle 1996).
Pycnolejeunea delessertii (Nees et Mont.) Grolle 1974 = *Lepidolejeunea delessertii* (Nees et Mont.) Grolle 1984 (Piippo 1986).
Pycnolejeunea involuta Steph. 1914 = *Cheilolejeunea silvestris* var. *involuta* (Steph.) E.W.Jones 1974 (Jones 1974a) = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).
Pycnolejeunea multiflora (Steph.) Steph. 1914 = *Lepidolejeunea bidentula* (Steph.) R.M.Schust. 1980 (Piippo 1986).
Pycnolejeunea nicobarica Steph. 1896 = *Lepidolejeunea bidentula* (Steph.) R.M.Schust. 1980 (Piippo 1986).
Pycnolejeunea silvestris (Gottsche) Steph. 1914 = *Cheilolejeunea surrepens* (Mitt.) E.W.Jones 1976 (Jones 1976b).
Radula allamanoi Gola 1914 = *Radula voluta* Taylor 1845 (Yamada 1993).
Radula angustata Steph. 1886 = *Radula appressa* Mitt. 1879 (Jones 1977).
- ** ***Radula ankefinensis*** Gottsche Ⓢ BIO(36), BUR(2), CMN(2), DRC(2,130,661), ETH(2), KEN(661,665,731), MAU(1,2170), MDG(1,661,720), MLW(2,114), MOZ(2736), PRI(2374), REU(1,661), RWA(130,2864), SAF(2,661), SAO(2750), SWZ(2), TAN(2,661), UGA(2,96), ZIM(2). The collections from Ghana and Sierra Leone, reported as *Radula ?holstiana*, could not be named with certainty (Jones & Harrington 1983). Grolle (2001) stated that past reports from Ethiopia require verification.
- Radula aphylla*** Mitt. ex Steph., *nom. inval.* Reported from Tanzania (Stephani 1912d) but neither description nor specimen has been found.
- ** ***Radula appressa*** Mitt. Ⓢ ANN(2,33), BIO(2,33,72), CAF(2), CMN(2), COM(1), DRC(2), GHA(2,3013), GUI(2), IVO(53), KEN(71), MAU(1,2170), MDG(1,4,720), MLW(114), MOZ(2), NGA(2), PRI(2), REU(1,112,2616), RIM(10), ROD(1,723), SAO(2,2684), SEY(1), SIE(2), SOC(94), TAN(2), UGA(96).
Radula autoica Steph. 1913 = *Radula holstiana* Steph. 1895 (Castle 1964) = *Radula ankefinensis* Gottsche 1884 (Grolle 2001).
- ** ***Radula bipinnata*** Mitt. Ⓢ CMN(95). Placed in synonymy with *R. boryana* (F.Weber) Mont. 1842 by Castle (1937), but recent molecular (Devos *et al.* 2011) and morphological (Renner *et al.* 2013) study suggests that *Radula bipinnata* is distinct from it.
- *** ***Radula boryana*** (F.Weber) Nees ex Mont. ANN(2,33), ASC(3059,3065), BIO(2,33,36), CMN(2), COM(1,661), DRC(2,130,661), ETH(2345), GHA(2,3013), KEN(2,661,665,731), MAU(1,2170), MDG(1,661,720), MLW(2,114), PRI(2,2684), REU(1,112,661), RIM(10), RWA(2,661,2864), SAF(2,661), SAO(2,661,2684), TAN(2,661), TOG(2), UGA(2), ZIM(2,661). The collection from Ethiopia (Arnell 1960) has been redetermined as *R. fulvifolia* (Grolle 2001). It is possible that some collections listed under *R. boryana* will prove to represent *R. bipinnata*.
- ** ***Radula caespitosa*** Steph. Ⓢ REU(128,1676). Removed from synonymy with *R. madagascariensis* by So (2005).

*** ***Radula camerunensis*** Pócs et Döbbeler CMN(3077).

Radula capensis Steph. 1884 = *Radula lindbergiana* Gottsche ex C.Hartm. 1864 (Jones 1977).

Radula carringtonii J.B.Jack - the collections from Réunion (Arts & Yamada, 1998) have been redetermined as *R. evelynae* K.Yamada and *R. appressa* Mitt. (Patino *et al.* 2013).

Radula commutata Gottsche ex J.B.Jack 1881 = *R. lindbergiana* Gottsche ex C.Hartm. 1864 (Castle 1968).

** ***Radula comorensis*** Steph. Ⓢ COM(1), DRC(2), LES(75), MAU(1,2170), MDG(720),
MLW(114), REU(1,112), RWA(2,2864), UGA(50), SOC(764).

Radula complanata (L.) Dumort. 1831 This species has a panboreal distribution and Yamada (1979), for example, considered its presence in tropical and subtropical regions to be very doubtful. In accordance with this view, the sole record from sub-Saharan Africa (from South Africa) by Mitten (1877) is here discounted. See also note under *Radula mauritiana* Mitt. ex Steph.

Radula corniculata auct. [non Dumort. 1831] = *Plagiochila exigua* (Taylor) Taylor 1846 (Grolle 1983b).

Radula delessertii Steph. 1893 possibly = *Radula lespagnolii* Steph. 1910 (Jones 1977) [= *Radula voluta* Taylor 1845] (Grolle 2001).

Radula epiphylla Mitt. ex Steph. 1884 = *Radula flaccida* Lindenb. et Gottsche 1847 (Castle 1939).

** ***Radula evelynae*** K.Yamada Ⓢ KEN(2,665,731), DRC(2), REU(1,112,2616), RWA(2864),
TAN(2).

Radula exigua Steph. 1910 = *Radula madagascariensis* Gottsche 1882 (Grolle 2001).

** ***Radula flaccida*** Lindenb. et Gottsche ANG(2), BIO(1778), CMN(2), COM(1), CON(1184),
DRC(2,130,822), GAB(2396), GHA(2,3013), GUI(2), IVO(2), NGA(2), PRI(145,2684),
RIM(10), RWA(2,130,2864), SAO(2,2684), SIE(2), TAN(2), UGA(2,42).

Radula foliocola Steph. 1910 = *Radula flaccida* Lindenb. et Gottsche 1847 (Castle 1939).

** ***Radula fulvifolia*** (Hook.f. et Taylor) Gottsche, Lindenb. et Nees BIO(1718), CAF(661),
CMN(661), COM(661), DRC(2,661), ETH(2,661,2345,3012), GHA(661,3013), IVO(728),
KEN(2,661,665,731,2066), MAU(661), MDG(661), PRI(661), REU(661,728), RIM(661),
SAF(2,661,728), SAO(2374), STH(2,49,661,728,2895), TAN(2,661), UGA(2,96,661),
ZIM(661).

Radula fuscorufa Steph. 1924 = *Radula boryana* (F.Weber) Nees ex Mont. 1842 (Castle 1937).

Radula guineensis Steph. 1884 = *Radula appressa* Mitt. 1879 (Jones 1977).

Radula hallapensis Mont. ex Castle 1965, *nom. nud.* = *C. stipatiflora* Steph. 1910 (Castle 1965).

Radula hans-meyeri Steph. ex S.W.Arnell 1960, *nom. inval.* - an orthographic variant of *R. meyeri* Steph. (Geissler & Bischler 1990).

Radula heteroica Steph. 1910 = *Radula holstiana* Steph. 1895 (Castle 1964) = *Radula ankefinensis* Gottsche 1884 (Grolle 2001).

Radula holstiana Steph. 1895 = *Radula ankefinensis* Gottsche 1884 (Grolle 2001).

Radula cf. holstiana Steph. GHA(25, 3013), GUI(25), SIE(25). These collections are of sterile material, but the plants display characters not normally found in *R. ankefinensis* Gottsche, of which *R. holstiana* Steph. was made a synonym by Grolle (2001). Because of the uncertainty, Hodgetts *et al.* (2016) suggested it might be appropriate to reinstate the species pending clarification.

** ***Radula javanica*** Gottsche 1845. There are old reports from Madagascar, Mauritius and Réunion, but Grolle (1995) considered that the occurrence in Africa of this critical taxon is uncertain.

Radula lespagnolii Steph. 1910 = *Radula macroloba* Steph. 1892 (Jones 1977) = *Radula voluta* Taylor 1845 (Grolle 2001).

Radula lindbergiana Gottsche ex Lindb. 1881, *nom. inval.* - an orthographic variant of *R. lindbergiana* Gottsche ex C.Hartm.

*** ***Radula lindbergiana*** Gottsche ex C.Hartm. CVI(2,37), LES(75), MLW(114), SAF(2,75),
TAN(2), ZIM(2).

Radula macroloba Steph. 1892 = *Radula voluta* Taylor 1845 (Grolle 2001).

Radula macroloba fo. *gigantea* S.W.Arnell 1957, *nom. inval.* = *Radula allamanoi* Gola 1914 (Jones 1977) = *Radula voluta* Taylor 1845 (Yamada 1993).

** ***Radula madagascariensis*** Gottsche COM(661), KEN(661,665,731), MAU(1,108,661,2170),
MDG(1,4,661), MLW(114), REU(1,661), TAN(2,661).

** ***Radula marojezica*** E.W.Jones Ⓢ MDG(1).

Radula mascarena Steph. 1884 = *Radula appressa* Mitt. 1878 (Jones 1977).

Radula mauritiana Mitt. ex Steph. 1884. Described from Mauritius by Stephani 1884, but Jones (1977) commented that he was unable to distinguish the type specimen from *R. complanata*, and had seen nothing resembling it among numerous collections from the island. He suspected specimens may have been confused (a labelling error?).

Radula meyeri Steph. 1888 = *Radula fulvifolia* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees. 1845 (Grolle 2001).

Radula molleri Steph. 1910 = *Radula appressa* Mitt. 1878 (Jones 1977).

Radula multiramea Gola 1920 = *Radula voluta* Taylor 1845 (K. Yamada, in Wigginton & Grolle 1996).

- Radula multiramosa* Steph. 1924 = *Radula boryana* (F.Weber) Mont. 1842 (Castle 1937).
- Radula newtonii* Steph. 1910 = *Radula stipatiflora* Steph. 1910 (Castle 1965) = *Radula voluta* Taylor 1845 (Grolle 2001).
- Radula oblongiloba* Steph. 1884 = *Radula appressa* Mitt. 1878 (Castle 1969).
- Radula pallens* (Sw.) Nees et Mont. 1839. The record from Mauritius (Gottsche 1845) of this Caribbean species must represent another taxon, and is excluded from the region (Grolle 1995).
- Radula perrottetii* Gottsche ex Steph. 1884. All records of this Asian species (Becherelle, Stephani, Herzog) from the Comoros, Madagascar, Mauritius and Réunion are treated as erroneous (Grolle 1995).
- Radula physoloba* Mont. 1843. The South African record (Mitten 1877) of this antipodean species must represent another species, probably *Radula lindenbergiana* (Sim 1926).
- Radula pirottae* Gola 1914 = *Radula recurvifolia* Steph. 1888 (Jones 1977) = *Radula quadrata* Gottsche 1845 (Yamada 1993).
- ** ***Radula pseudoflaccida*** E.W.Jones Ⓣ TAN(2).
- *** ***Radula quadrata*** Gottsche BIO(1718), CMN(2), COM(1), DRC(2), ERI(121), ETH(2,2345), KEN(2,71,665,731,759,2066), MAU(1), MDG(1), MLW(114), REU(1), RWA(2,2864), SAF(2), SOC(764), TAN(2,2818), UGA(96).
Radula recurvifolia Steph. 1888 = *Radula quadrata* Gottsche 1845 (Yamada 1993).
- *** ***Radula retroflexa*** Taylor REU(112).
Radula sarogliae Gola 1914 = *Radula boryana* (F.Weber) Mont. 1842 (Castle 1969).
- ** ***Radula silvestris*** Gottsche MDG(1). See comment in Jones (1977).
- * ***Radula socorana*** Gerola Ⓣ Known only from the type from Ethiopia (Gerola 1947).
Radula spongiosa Steph. 1910 = *Radula recurvifolia* Steph. 1888 (Jones 1977) = *Radula quadrata* Gottsche, Lindenb. et Nees 1845 (Yamada 1993).
- ** ***Radula stenocalyx*** Mont. BUR(2), BIO(1778), CMN(2), COM(1), DRC(2), GAB(2), GHA(2,3013), GUI(2), KEN(2,731), MAU(1,2170), MDG(1,4,720), MLW(114), PRI(2750), REU(1), RIM(10), RWA(2,2864), SAF(2), SAO(2), SEY(73), SIE(2), TAN(2), UGA(50).
Radula stipatiflora Steph. 1910 = *Radula voluta* Taylor 1845 (Grolle 2001).
- ** ***Radula tabularis*** Steph. SAF(2,661).
Radula tamariscina Mitt. 1863 = *Radula boryana* (F.Weber) Mont. 1842 (Grolle 2001).
Radula thomeensis Steph. 1910 = *Radula boryana* (F.Weber) Mont. 1842 (Castle 1937).
Radula tubiflora Steph. 1892 ("tubaeflora") = *Radula stenocalyx* Mont. 1855 (Castle 1939).
Radula vaginata Steph. 1910 = *Radula stenocalyx* Mont. 1855 (Castle 1939).
- *** ***Radula voluta*** Taylor BIO(2,33,36), DRC(2,661,822), ETH(2,661,2345), KEN(2,71,661,665,731), MAU(1,2170), MDG(1,4,661,720), MLW(2,114), REU(1,112), RWA(2,2864), SAF(2,75,661), SOC(764), TAN(2,661), UGA(2,96,661).
Radula wilmsiana Steph. ex Castle, nom. inval. Unpublished name, applied to a collection from South Africa; presumed to represent *R. macroloba* Steph. (Castle 1965: 368) = *R. voluta* Taylors (Grolle 2001).
Radula woodiana Steph. 1910 = *Radula boryana* (F.Weber) Mont. 1842 (Castle 1937).
Radula xalapensis Nees et Mont. 1836. The records from Mauritius and Réunion (Gottsche 1845) of this neotropical species are excluded (Grolle 1995).
- *** ***Reboulia hemisphaerica*** (L.) Raddi CHA(2,3), CVI(2,37), ERI(2), ETH(2), MLW(2), TAN(2).
Rectolejeunea aloba (Sande Lac.) Steph. 1914 = *Lejeunea aloba* Sande Lac. 1856 (Pócs 1993b).
Rectolejeunea arnellii E.W.Jones 1974 = *Rectolejeunea brittoniae* A.Evans 1911 (Schuster 1980a) = *Lejeunea phyllobola* Nees et Mont. 1842 (Reiner-Drehwald 2000).
Rectolejeunea brittoniae A.Evans 1911 = *Lejeunea phyllobola* Nees et Mont. 1842 (Reiner-Drehwald 2000).
Rectolejeunea pililoba (Spruce) R.M.Schust. 1980 = *Lejeunea pililoba* Spruce 1895 (Schuster 1980a) = *Lejeunea trinitensis* Lindenb. 1845 (Grolle 1981b).
Rectolejeunea rhodesiae (Sim) S.W.Arnett 1953 [non *Stylolejeunea rhodesiae* Sim 1926] = *Rectolejeunea arnellii* E.W.Jones 1974 (Jones 1974b) = *Rectolejeunea brittoniae* A.Evans 1911 (Schuster 1980a) = *Lejeunea phyllobola* Nees et Mont. 1842 (Reiner-Drehwald 2000).
Rectolejeunea santae-mariae Steph. 1914 probably = *Cheilolejeunea intertexta* (Lindenb.) Steph. 1897 (Jones 1974b).
Rectolejeunea setacea (Steph.) R.M.Schust. 1980 = *Lejeunea setacea* (Steph.) Steph. 1914 (Grolle 1995).
- *** ***Riccardia amazonica*** (Spruce) Schiffn. ex Gradst. et Hekking ANG(2848), ASC(3065), BIO(36), CMN(2), CON(2), DRC(2), ETH(2916), GAB(2), GHA(2,3013), IVO(51), KEN(2), LES(75), MDG(720), MLW(2143), NGA(2), PRI(2750), RIM(10), RWA(2864,2938), SAF(2,760), SAO(2684), SIE(2), TAN(2), UGA(2,96), ZAM(2), ZIM(2). Neotropical *Riccardia amazonica* has been shown to differ from the African taxon, the earliest legitimate name for the latter being *Riccardia angusticosta* (Steph.) Grolle (Gradstein & Reeb submitted, pers. comm. Dec. 2017).

Riccardia angusticosta (Steph.) Grolle 1973 "angusticostata" = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Perold 2003a, Jones 1956).

Riccardia caespitans (Steph.) E.W.Jones 1956, nom. inval. [= *Aneura caespitans* Steph. 1891] = *Riccardia* sp. (Grolle 1995). See note under *Aneura caespitans* Steph.

** ***Riccardia campanuliflora*** S.W.Arnell ⑩ SAF(760). Placed in synonymy with *R. amazonica* by Arnell (1963), but this has been disputed (see Perold 2003a). It is maintained here, pending clarification of its taxonomic status.

Riccardia capensis S.W.Arnell 1952 = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Reeb & Bardat 2014).

Riccardia comosa (Steph.) E.W.Jones 1956, nom. inval. = *Aneura comosa* Steph. 1890 = *Afroriccardia comosa* (Steph.) Reeb et Gradst. 2017 (Rabeau *et al.* 2017).

** ***Riccardia compacta*** (Steph.) S.W.Arnell ⑩ SAF(2,717), TAN(2,717), UGA(2). Meenks & Pócs 1985) questioned the identity of the specimen from Uganda published as *R. compacta*, but the record is retained under that name for the time being.

Riccardia congoana (Steph.) Demaret 1942 = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Jones 1981).

Riccardia congoensis Steph. 1917 = *Riccardia longispica* (Steph.) Pearson (Jones 1981).

** ***Riccardia erosa*** (Steph.) E.W.Jones ⑩ ANG(2848), CMN(2), CON(2), ETH(2), MDG(720), PRI(2750), SAO(2,2684), TAN(2).

Riccardia exigua (Steph.) S.W.Arnell 1957, nom. inval. = *Riccardia longispica* (Steph.) Pearson 1893 (Grolle 1978).

** ***Riccardia fastigiata*** (Lehm.) Trevis. ⑩ BIO(1718), CAF(2), CON(2), DRC(2), ETH(2), KEN(2,665), LES(75), SAF(2,75,2663), SEY(4), TAN(2), UGA(96), ZAM(2), ZIM(2).

Riccardia incurvata Lindemb. The report from Mauritius (Tixier & Guého, 1997) of this palaearctic species is treated as an error.

Riccardia kilimandjarica S.W.Arnell 1959 = *Riccardia ramosissima* (Steph.) Grolle (Reeb & Bardat 2014).

** ***Riccardia inconspicua*** (Steph.) Reeb et Bardat ⑩ CMN(137,2663), SEY(2663)

Riccardia laurentiana (Steph.) Demaret 1942 = *Riccardia pinguis* (L.) Gray (Jones 1956) = *Aneura pinguis* (L.) Dumort. 1831 sens. lat. (Perold 2001d).

Riccardia lepervanchei (Steph.) S.W.Arnell 1965, nom. inval. [= *Aneura lepervanchei* Steph. 1899] = *Riccardia* sp. (Grolle 1995).

** ***Riccardia limbata*** (Steph.) E.W.Jones ⑩ ANG(2848), ANN(2,33), BIO(36), CMN(2,2663), CON(2), DRC(2), GAB(2396), GHA(2,3013), KEN(2,665), MAU(1,2170), MLW(2), NGA(2), PRI(2374), REU(1), RIM(10), RWA(48,2864), SAF(2), SAO(2,2684), SIE(2), SWZ(2), TAN(2,2663), TOG(2), UGA(115), ZAM(2), ZIM(2).

Riccardia holstii (Steph.) E.W.Jones 1956 = *Riccardia limbata* (Steph.) E.W.Jones 1956 (Reeb & Bardat 2014).

** ***Riccardia longispica*** (Steph.) Pearson ⑩ BIO(36), CMN(2), COM(1), DRC(2), GAB(2396), MAU(1,2170), MDG(1,720), MLW(2143), PRI(2750), REU(1), RIM(10), RWA(2864,2938), SAO(2374), SEN(3041), SEY(1), TAN(2), UGA(115).

*** ***Riccardia multifida*** (L.) Gray MDG(1), SAF(653).

Riccardia nudiflora (Steph.) Grolle 1995. See note under *Aneura nudiflora* Steph.

** ***Riccardia obtusa*** S.W.Arnell ⑩ SAF(2,734,2663), SEY(2663).

Riccardia palmata (Hedw.) Carruth. 1865 Reported from Madagascar (Gottsch 1882), based on sterile material. The collection was destroyed in B in 1943, and Grolle (1995) excluded the record.

Riccardia pinguis (L.) Gray 1821 = *Aneura pinguis* (L.) Dumort. 1831 (Meenks & Pócs 1985, Perold 2001d). *Riccardia pinnatifida* (F.Weber) Carruth. 1865 = *Riccardia chamedryfolia* (With.) Grolle (Gradstein & Costa 2003). Early records of *R. pinnatifida* from Madagascar and Réunion (Gottsch 1846) are treated as doubtful by Grolle (1995).

Riccardia pseudopinguis Herzog 1942 = *Aneura pseudopinguis* (Herzog) Pócs 1983 (Meenks & Pócs 1985, Grolle 1995) = *Aneura latissima* Spruce (Gradstein 2013c).

Riccardia ramosissima (Steph.) E.W.Jones 1956, nom. inval. = *Riccardia ramosissima* (Steph.) Grolle 1995 (Grolle 1995).

** ***Riccardia ramosissima*** (Steph.) Grolle ⑩ MDG(1), REU(1), TAN(2,2663).

Riccardia rhodesiae S.W.Arnell 1952 = *Riccardia saccatiflora* (Steph.) S.W.Arnell 1952 (Reeb & Bardat 2014).

** ***Riccardia saccatiflora*** (Steph.) S.W.Arnell ⑩ ETH(2916), KEN(2), MAU(1,2170), MDG(1), REU(1,653), RIM(10), TAN(2), UGA(96), ZIM(2). Perold (2001e) showed that Arnell's records of *R. saccatiflora* from South Africa should be referred to *R. multifida* (L.) Gray.

Riccardia stephanii (Besch. ex Steph.) E.W.Jones 1956, hom. illeg. [non S.Hatt. 1944] = *Riccardia amazonica* (Spruce) Schiffn. ex Gradst. et Hekking 1979 (Meenks & Pócs 1985).

Riccardia submarginata S.W.Arnell 1953 (Jones 1956) = *Riccardia pinguis* (L.) Gray (Jones 1956) = *Aneura pinguis* (L.) Dumort. 1831 *sens. lat.* (Perold 2001d).

Riccardia sp. GHA(25,2864). Jones & Harrington (1983) considered that plants collected in the Dem. Rep. Congo, Mauritius and Rwanda apparently represent the same taxon, but did not name it.

Riccardia sp. ASC(3065). Described and illustrated in Pressel et al. (2017), but not named.

Riccardia spp. STH(2895). Described and illustrated in Wigginton (2012), but not named.

Riccia abnormis (Steph.) Steph. 1898 = *Riccia moenkemeyeri* Steph. 1887 (Jones 1957b).

Riccia aegyptiaca S.W.Arnell 1963 = *Riccia congoana* Steph. 1898 (Perold 1986).

Riccia africana Sim 1926 = *Riccia crozalsii* Levier 1902 (Arnell 1963).

*** ***Riccia alatospora*** O.H.Volk et Perold Ⓢ SAF(2,1132).

*** ***Riccia albolimbata*** S.W.Arnell BOT(3056), KEN(2,2107), NAM(2,1132), SAF(2,1132), TAN(2).

*** ***Riccia albomarginata*** Bisch. ex C.Krauss Ⓢ SAF(2,1132).

*** ***Riccia alboporosa*** Perold Ⓢ SAF(2,1132).

*** ***Riccia albornata*** O.H.Volk et Perold Ⓢ SAF(2,1132).

Riccia albosquamata S.W.Arnell 1957 = *Riccia albolimbata* S.W.Arnell 1957 (Perold 1989a).

*** ***Riccia albovestita*** O.H.Volk Ⓢ LES(1132), NAM(2,1132), SAF(2,1132).

*** ***Riccia ampullacea*** Perold Ⓢ LES(2,75,1132), SAF(2,1132).

*** ***Riccia angolensis*** Steph. Ⓢ ANG(2), BOT(2,1132), LES(1132), KEN(2), NAM(2,1132), SAF(2,1132).

*** ***Riccia argenteolimbata*** O.H.Volk et Perold BOT(2,1132), KEN(2), NAM(2,1132), SAF(2,1132), SOC(764), TAN(2).

*** ***Riccia atromarginata*** Levier CVI(3053).

** ***Riccia atromarginata*** var. *jovet-astiae* Rauh et Buchloh MDG(1), SOC(764).

*** ***Riccia atropurpurea*** Sim Ⓢ ANG(2), BEN(11), BOT(2,1132), GHA(2), KEN(2107), MLW(2), NAM(2,1132), NGA(2), RWA(2,2864), SAF(2,1132), SWZ(2,1132), TAN(2), UGA(2), ZAM(2), ZIM(2,9).

Riccia beccarii Steph. ex Chiov., *nom. inval.* Known only from the original collection from Eritrea (Stephani 1919).

Riccia berriei E.W.Jones 1957 = *Riccia congoana* Steph. 1898 (Berrie 1975).

*** ***Riccia bicolorata*** Perold Ⓢ SAF(2,1132).

** ***Riccia biokoensis*** Perold Ⓢ BIO(98).

*** ***Riccia bulbosa*** Link ex Lindenb. LES(2,75,1132), SAF(2,1132).

*** ***Riccia campbelliana*** M.Howe Ⓢ SAF(2,2882). Sérgio (1992) treated *R. campbelliana* as a synonym of *R. macrocarpa*, as also did Perold (1999g). However, this synonymy was not accepted by Bischler-Causse et al. (2005). Söderström, Hagborg, von Konrat, et al. (2016) treated *R. campbelliana* as distinct.

Riccia canescens Steph. 1898 = *Riccia trichocarpa* M.Howe 1898 (Jovet-Ast 1983) = *Riccia crinita* Taylor 1846 (Jovet-Ast 2000).

Riccia capensis auct. [non Steph. 1913] = *Riccia nigrella* DC. 1815 (Perold & Volk 1988b).

Riccia capensis Steph. 1913 = *Riccia limbata* Bisch. ex C.Krauss 1846 (Perold & Volk 1988b).

*** ***Riccia cavernosa*** Hoffm. ANG(2), BOT(2,1132), CHA(2), CVI(37), DJI(2), DRC(2), ERI(2), KEN(2), LES(75,1132), MDG(1), MOZ(2), MTN(3,725), NAM(2,1132), NGR(2,3), REU(719), SAF(2,1132), SUD(2), TAN(2), ZAM(2), ZIM(2).

* ***Riccia chevalieri*** Steph. 1912. Known only from the type from the Central African Republic (Stephani 1912). According to Jones (1957b), probably a synonym of *Riccia moenkemeyeri* Steph., but the synonymy has not been published.

*** ***Riccia ciliata*** Hoffm. CVI(2,37).

Riccia ciliata var. *austroafricana* S.W.Arnell 1953 = *Riccia crozalsii* Levier 1902 (Perold 1999g).

Riccia ciliata subsp. *canescens* (Steph.) R.M.Schust. 1992 = *Riccia crinita* Taylor 1846 (Jovet-Ast 2000).

Riccia ciliata subsp. *trichocarpa* (M.Howe) R.M.Schust. 1992 = *Riccia crinita* Taylor 1846 (Jovet-Ast 2000).

** ***Riccia compacta*** Garside Ⓢ SAF(2).

*** ***Riccia concava*** Bisch. ex C.Krauss Ⓢ SAF(2,1132).

* ***Riccia congoana*** Steph. ANG(2), BEN(11), BOT(2,1132), CHA(2), CON(2), DRC(2), GHA(2), KEN(2,665,2107), MLW(2), NAM(2,1132), NGA(2), RWA(2,2864), SAF(547,1132), SAO(3050), SIE(2), SUD(2), SWZ(2,1132), TAN(2), UGA(2,96), ZAM(2),

ZIM(2). *Riccia congoana* is possibly conspecific with *Riccia billardierei* (Perold 1989b).

Riccia convexa Steph. ex Har. 1913, nom. inval. [? non Steph. 1917] = *Riccia frostii* Austin 1875 (Jovet-Ast 1957).

- * ***Riccia coronata*** Sim 1926. This taxon is insufficiently known. The South African specimen cited by Sim cannot be traced, and another specimen, which had been identified as 'near *R. coronata*', is placed under *R. alatospora* (Perold 1999g).

Riccia crassa Nees ex Lindenb. 1829 = *Riccia bulbosa* Link ex Lindenb. 1829 (Perold 1991a).

- *** ***Riccia crinita*** Taylor BOT(2,1132), CVI(3053), KEN(2,2107), LES(2,1132), MAU(2170), MDG(1), MLW(2), NAM(2,1132), NGR(2), RWA(2,2864), SAF(2,1132), SOC(2), TAN(2), UGA(2), ZIM(2).

- *** ***Riccia crozalsii*** Levier SAF(2,1132), TAN(2). Listed without details from Namibia (3106), but according to Perold (1999g), this species is confined in southern Africa to the Western Cape.

- *** ***Riccia crystallina*** L. CHA(3), CVI(2,37), ETH(2), SAF(2,1132), TAN(2), ZIM(2). It is uncertain whether some early records represent this species or *R. cavernosa* Hoffm.

Riccia crystallina var. *angustior* sensu Gillet et Jovet-Ast 1957 = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1983).

- *** ***Riccia cupulifera*** A.V.Duthie Ⓢ SAF(2,1132).

- *** ***Riccia curtisii*** (Austin) Austin CHA(2), SAF(2,1132).

Riccia dinteri Steph. ex S.W.Arnell 1956, nom. inval. = *Riccia stricta* (Lindenb.) Perold 1990 (Perold 1990b).

- *** ***Riccia discolor*** Lehm. BEN(11), DRC(2), IVO(2,60), KEN(2), MLW(2), NGA(2), NGR(2), PRI(2750), TAN(2), UGA(2), ZAM(2).

Riccia duthiaeae O.H.Volk et Perold 1985 = *Riccia albovestita* O.H.Volk 1981 (Perold 1990a).

- *** ***Riccia elongata*** Perold Ⓢ SAF(2,1132).

- *** ***Riccia erubescens*** Perold Ⓢ ANG(2), MLW(2), MOZ(2), ZAM(2).

Riccia erythraeae Steph. ex Chiov. 1919, nom. inval. Ⓢ ERI(502), ETH(502). A taxon of uncertain status, treated by Gola (1914b) as a subspecies of *R. lanceolata*. Not examined by Perold (1995).

Riccia esculata Steph. ex Har. 1913, nom. inval. [non Steph. 1917] = *Riccia frostii* Austin 1875 (Jovet-Ast 1957).

- *** ***Riccia fluitans*** L. sens. lat. IVO(2), TAN(2), TOG(2), ZAM(2). It is likely that all records of *R. fluitans* sens. lat. from sub-Saharan Africa should be referred to *R. stricta* (Lindenb.) Perold (Perold 1990b).

Riccia fluitans var. δ *stricta* Lindenb. 1837 = *Riccia stricta* (Lindenb.) Perold 1990 (Perold 1990b).

- *** ***Riccia frostii*** Austin CHA(2,3), CVI(2), MTN(2,3), SUD(2).

- *** ***Riccia furfuracea*** Perold Ⓢ SAF(2,1132).

- *** ***Riccia garsidei*** Sim Ⓢ SAF(2,1132).

- * ***Riccia gemmifera*** O.H.Volk Ⓢ ANG(1132), NAM(3106). Perold (1999g) commented that she had only examined sterile cultivated material, and suspected the species is close to *R. atropurpurea* Sim.

- *** ***Riccia glauca*** L. ETH(2).

- *** ***Riccia gougetiana*** Durieu et Mont. CVI(2,37).

- *** ***Riccia hantamensis*** Perold Ⓢ SAF(2,1132).

Riccia hariotii Steph. ex Har., nom. inval. Ⓢ MLI(2). Known only from the original collection (Hariot 1913) from Douenza, Soudan (= Mali), erroneously listed under Sudan in (2).

- *** ***Riccia heleneae*** Jovet-Ast Ⓢ REU(1).

- *** ***Riccia hirsuta*** O.H.Volk et Perold Ⓢ SAF(2,1132).

- *** ***Riccia hortorum*** Bory ex Lindenb. Ⓢ MAU(1), REU(1).

- *** ***Riccia huebeneriana*** Lindenb. ETH(2), REU(45).

Riccia intermedia E.W.Jones 1957 = *Riccia discolor* Lehm. 1832 (Pandé & Udar 1958).

Riccia kassaica Steph. ex E.W.Jones 1957 probably = *R. congoana* Steph. 1898 (Jones 1957b).

- *** ***Riccia lamellosa*** Raddi CHA(2,3), ERI(2), TAN(2).

- *** ***Riccia lanceolata*** Steph. Ⓢ BEN(2,11), GHA(2), IVO(2,60), KEN(2107), MLW(2,114), MOZ(2), NGA(2), NGR(2), PRI(2750), RWA(2,2864), SAF(1716), TAN(2), UGA(2,96), ZAM(2).

- *** ***Riccia laxisquamata*** (Steph.) Steph. Known only from the type from Ethiopia (Stephani 1895a). Perold (1995) reported that there is only an empty packet at G.

- *** *Riccia limbata* Bisch. ex C.Krauss SAF(2,1132). Perold (1999g) considered reports from Namibia and Zimbabwe as errors of identification, and accepted only records from South Africa. The report from Ethiopia (Cufodontis 1952) is treated here as doubtful.
Riccia limbatooides O.H.Volk 1984, nom. prov. = *Riccia congoana* Steph. 1898 (Perold 1986).
- *** *Riccia macrocarpa* Levier CVI(3053), SAF(2,1132), SOC(2).
- *** *Riccia mammifera* O.H.Volk et Perold Ⓢ SAF(2,1132).
- *** *Riccia mamrensis* Perold Ⓢ SAF(1457).
- *** *Riccia membranacea* Gottsche et Lindenb. ANG(2), BIO(1718), CMN(2), DRC(2), GHA(2), KEN(2), NGA(2), SIE(2), SUD(2), TAN(2), ZIM(2859).
- *** *Riccia microciliata* O.H.Volk et Perold Ⓢ ANG(2), BOT(2,1132), KEN(2107), MLW(2), MOZ(2), NAM(2,1132), RWA(2864,2938), SAF(2,1132), SWZ(2,1132), TAN(2), ZIM(9).
- *** *Riccia moenkemeyeri* Steph. Ⓢ ANG(2), BEN(11), CAF(2), CMN(2), DRC(2), GAM(2), GHA(2), IVO(2,60), MLW(2), NGA(2), RWA(2,2864), SAF(2,1132), SAO(3051), SIE(2), TAN(2), ZAM(2), ZIM(2). The record from Bioko is erroneous (*fide* Perold 1999g).
Riccia montaguensis S.W.Arnell 1952 = *Riccia bulbosa* Link ex Lindenb. 1829 (Perold 1991a).
- *** *Riccia montana* Perold Ⓢ LES(2,75,1132), SAF(2,1132).
- *** *Riccia namaquensis* Perold Ⓢ SAF(2,1132).
- *** *Riccia natalensis* Sim Ⓢ SAF(2,1132), ZIM(9).
Riccia natans L. 1759 = *Ricciocarpus natans* (L.) Corda 1829 (Perold 1995a).
Riccia negrii Gola 1914 = *Riccia crystallina* L. 1753 emend. Raddi 1818 (Jovet-Ast 1966).
- *** *Riccia nigerica* E.W.Jones Ⓢ CMN(2), NGA(2).
- *** *Riccia nigrella* DC. CVI(37), LES(2,75,1132), NAM(2,1132), SAF(2,1132).
Riccia nigrosquamata E.W.Jones 1957 = *Riccia congoana* Steph. 1898 (Perold 1986).
- *** *Riccia okahandjana* S.W.Arnell ANG(2), BOT(2,1132), DRC(2), LES(75), KEN(2107), MLW(2), MOZ(2), NAM(2,1132), RWA(2,2864), SAF(2,1132), SWZ(1132), TAN(2), UGA(2,96), ZIM(2).
- *** *Riccia papillispora* Steph. Ⓢ ERI(2). Known only from the type (Stephani 1898).
- *** *Riccia parvoareolata* O.H.Volk et Perold Ⓢ SAF(2,1132).
- *** *Riccia perssonii* Sultan Khan CHA(2), MDG(655), MLI(2), NAM(2,1132). Reported also from Botswana (Duthie & Garside 1937, as *R. curtisi*), but the specimen has not been traced and Perold (1999g) considered the record uncertain.
Riccia plana Taylor 1846 = *Riccia crystallina* L. 1753 emend. Raddi 1818 (Jovet-Ast 1966).
- *** *Riccia pottsiana* Sim Ⓢ SAF(2,1132).
Riccia pseudolimbata S.W.Arnell 1957 = *Riccia angolensis* Steph. 1898 (Perold 1989b).
- *** *Riccia pulveracea* Perold Ⓢ SAF(2,1132).
- *** *Riccia purpurascens* Lehm. Ⓢ MDG(2498), SAF(2,1132). Reported by Arnell (1963) from Zimbabwe, but the specimen is *Riccia strica* (Perold 1999g).
- *** *Riccia radiata* Perold Ⓢ SAF(1917).
- *** *Riccia radicosa* Pearson Ⓢ DRC(2), NAM(1716), KEN(2107, provisional determination).
Riccia rautanenii (Steph.) Steph. 1898 = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1965).
Riccia rhodesiae S.W.Arnell 1952 = *Riccia congoana* Steph. 1898 (Perold 1986).
- *** *Riccia rosea* O.H.Volk et Perold Ⓢ ANG(2), BOT(2,1132), KEN(2), NAM(2,1132), SAF(2,1132), TAN(2), UGA(2), DRC(2), ZAM(2), ZIM(11).
- *** *Riccia rubricollis* Garside et A.V.Duthie ex Perold Ⓢ SAF(2,1132).
- * *Riccia runssorensis* Steph. Ⓢ ANG(2), BOT(2,1132), NAM(2,1132), SAF(2,1132), TAN(2), UGA(2), ZIM(2859). Na-Thalang (1980) placed *R. runssorensis* in synonymy under *R. macrospora* Steph., an Australian species, but this was not accepted by Perold (1999g).
- * *Riccia saharensis* Steph. ex Jovet-Ast Ⓢ NGR(2,3). Erroneously listed from Mauritania in (2).
Riccia sarcosa O.H.Volk et Perold 1986 = *Riccia albovestita* O.H.Volk 1981 (Perold 1990a).
- *** *Riccia schelpei* O.H.Volk et Perold Ⓢ SAF(2,1132).
- * *Riccia schroederi* Steph. Ⓢ Known only from the type from Tanzania (Stephani 1912d).
- *** *Riccia schweinfurthii* Steph. Ⓢ SSD(655,2819). Known only from the type (Stephani 1898).
- ** *Riccia sibayenii* Perold Ⓢ SAF(651).
- *** *Riccia simii* Perold Ⓢ LES(75,1132), SAF(2,1132).

- *** *Riccia somaliensis* Perold Ⓣ SOM(2).
- *** *Riccia sorocarpa* Bisch. CHA(2,3), CVI(37), KEN(2), LES(2,1132), SAF(2,1132), TAN(2).
- ** *Riccia sorocarpa* subsp. *sorocarpa* var. *heegii* Schiffn. CVI(2).
Riccia spongosa S.W.Arnell 1952 = *Riccia curtisii* (James ex Austin) Austin 1879 Perold 1999g.
- *** *Riccia stricta* (Lindenb.) Perold ANG(2), BIO(36), BOT(2,1132), BUR(2), CMN(2), DRC(2), ETH(2), GAB(2396), GHA(2), IVO(2), KEN(2,21,665,731), LES(75), MLW(2), MOZ(2), NAM(2,1132), NGA(2), NGR(2), RWA(2,2864), SAF(2,1132), SAO(2684,3050), SUD(2), TAN(2), TOG(2), UGA(2,96,776), ZAM(2), ZIM(2,9).
Riccia stricta A.V.Duthie ex S.W.Arnell 1963, *nom. inval.* = *Riccia stricta* (Lindenb.) Perold 1990 (Perold 1990b).
- Riccia sudanensis* Steph. ex Har., *nom. inval.* Ⓣ Known only from the original collection (Hariot 1913) from Gono, Soudan (= Mali or Niger, perhaps southern Chad - countries all with settlements named Gono lying within historic 'Soudan'). Listed under Sudan in (2). Not seen by Perold (1995).
Riccia suntica Prettet 1967 = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast & Bischler 1971).
- *** *Riccia symoensii* Vanden Berghe Ⓣ DRC(2).
Riccia tellinii Gola 1914 = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1966).
Riccia terracianoi Gola 1914 = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1966).
- *** *Riccia tomentosa* O.H.Volk et Perold Ⓣ SAF(2,1132).
- *** *Riccia trabutiana* Steph. SOC(2,558).
- *** *Riccia trachyglossa* Perold Ⓣ LES(2,1132).
- * *Riccia triangularis* Steph. ex Corb. Ⓣ Known only from the type from the Central Afrcan Republic (Stephani 1912c).
Riccia trichocarpa M.Howe 1898 = *Riccia crinita* Taylor 1846 (Jovet-Ast 2000).
Riccia undulata S.W.Arnell 1952 = *Riccia moenkemeyeri* Steph. 1886 (Jones & Harrington 1983).
- *** *Riccia villosa* Steph. Ⓣ SAF(2,1132).
- *** *Riccia vitrea* Perold Ⓣ SAF(2,1132).
- *** *Riccia volkii* S.W.Arnell Ⓣ NAM(2,1132), SAF(2,1132), ZIM(2,9).
- *** *Riccia vulcanicola* Eb.Fisch. Ⓣ RWA(2,2864).
- *** *Riccia warnstorffii* Limpr. SAF(2,1132). Twice collected from a garden in 1954, but not subsequently recorded from South Africa: considered to have been a short-lived introduction (Perold 1999g).
Riccia welwitschii Steph. 1898 = *Riccia membranacea* Gottsche et Lindenb. 1846 (Jones 1957b).
Ricciella abnormis Steph. 1891 = *Riccia moenkemeyeri* Steph. 1887 (Jones 1957b).
Ricciella laxisquamata Steph. 1895 = *Riccia laxisquamata* (Steph.) Steph. 1898 (Cufodontis 1952).
Ricciella purpurascens (Lehm.) Lehm. et Lindenb. 1832 = *Riccia purpurascens* Lehm. 1829 (Perold 1999g).
Ricciella rautanenii Steph. 1895 = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1965).
Ricciella stricta (Lindenb.) Trevis. 1877 = *Riccia stricta* (Lindenb.) Perold 1990 Perold 1999g).
Ricciella tellinii (Gola) Cufod. 1952 = *Riccia tellinii* Gola 1914 (Cufodontis 1952) = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1966).
Ricciella terracianoi (Gola) Cufod. 1952 = *Riccia terracianoi* Gola 1914 (Cufodontis 1952) = *Riccia cavernosa* Hoffm. 1796 (Jovet-Ast 1966).
Ricciella undulata S.W.Arnell 1952 = *Riccia moenkemeyeri* Steph. 1886 (Perold 1992a).
Ricciella welwitschii Steph. 1901 = *Riccia membranacea* Gottsche et Lindenb. 1846 (Jones 1957b).
- *** *Ricciocarpos natans* (L.) Corda BOT(2), CMN(2130), DRC(2), GHA(2), KEN(2,665), MOZ(2), NAM(1132), NGA(2), RWA(2,2864), SAF(2,1132), TAN(2), UGA(96), ZAM(2).
- *** *Riella affinis* M.Howe et Underw. SAF(2,78).
- *** *Riella alatospora* Wigglesw. Ⓣ SAF(2,78).
- *** *Riella capensis* Cavers Ⓣ SAF(2,78).
- *** *Riella echinospora* Wigglesw. Ⓣ NAM(2), SAF(2,78).
- *** *Riella purpureospora* Wigglesw. Ⓣ SAF(2,78).
Sarcocyphos auritus (Lehm.) Nees 1844 = *Anastrophyllum auritum* (Lehm.) Steph. 1901 (Váňa 1982).
Sarcocyphos sparsifolius Lindb. 1868 = *Marsupella sparsifolia* (Lindb.) Dumort. 1874 (Schuster 1966a).
- * *Sauteria nyikaensis* Perold Ⓣ MLW(766). Listed under *Incertae sedis* in Söderström, Hagborg, von Konrat, *et al.* (2016).
- *** *Scapania calcicola* (Arnell et J.Perss.) Ingham LES(75).
- *** *Scapania cuspiduligera* (Nees) Müll.Frib. DRC(2), LES(75), SAF(75), UGA(776).
- *** *Scapania esterhuyseniae* S.W.Arnell Ⓣ TAN(2), UGA(2).

- *** *Scapania hedbergii* S.W.Arnell (E) KEN(2).
- *** *Schiffneriolejeunea altimontana* Vanden Berghen (E) DRC(2), RWA(2,2864), TAN(2), UGA(50).
- *** *Schiffneriolejeunea ferruginea* (Steph.) Gradst. (E) CMN(2), NGA(2).
- *** *Schiffneriolejeunea fragilis* Gradst. et E.W.Jones (E) CMN(2), CON(2), DRC(2), GAB(2), GHA(2,3013), GUI(2), IVO(2), MOZ(2736), NGA(2), SIE(2), UGA(42).
- *** *Schiffneriolejeunea madagascariensis* (Steph.) Gradst. (E) MDG(1).
- *** *Schiffneriolejeunea occulta* (Steph.) Gradst. (E) CON(2), GHA(2), NGA(2), PRI(2750), RIM(10), SIE(2).
- *** *Schiffneriolejeunea pappeana* (Nees) Gradst. var. *pappeana* (E) ANG(2), ANN(2,33), BIO(2,33), CAF(2), CMN(2), DRC(2), ETH(2,2345), GAB(2396), GHA(3013), GUI(2), KEN(2,731), MAU(2170), MDG(1,720), MLW(2,563), REU(1), RWA(2,2864), SAF(2), SAO(2), TAN(2), UGA(2,96), ZIM(2).
- *** *Schiffneriolejeunea pappeana* var. *bidentata* Gradst. et Vanden Berghen (E) MAU(1), MDG(1), REU(1).
- *** *Schiffneriolejeunea pappeana* var. *integra* Gradst. et Vanden Berghen (E) MDG(1).
- *** *Schiffneriolejeunea parviloba* (Steph.) Gradst. (E) MAU(1,2170), MDG(720), REU(1).
- *** *Schiffneriolejeunea polycarpa* (Nees) Gradst. ANG(2,822), BIO(2,33), CAF(2), CON(2), DRC(2,822), ETH(2345), GAB(2), GHA(2), GUI(2), MDG(1,720), MLW(563), MOZ(2), NGA(2), SAF(2), SAO(2,2684), SIE(2), TAN(2), UGA(42,50,96), ZAM(2), ZIM(2).
- *** *Schiffneriolejeunea tumida* var. *haskarliana* (Gottsche) Gradst. et Terken SEY(1,2856).
- Schisma balboi* Gola 1914 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma capense* Steph. 1909 = *Herbertus capensis* (Steph.) Sim 1926 (Grolle 1995).
- Schisma capillare* (Steph.) Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma dicranum* (Taylor ex Gottsche, Lindenb. et Nees) Steph. 1895 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Grolle 1995).
- Schisma doggettianum* Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma dusenii* Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma grossevittatum* Steph. 1909 = *Herbertus juniperoides* (Sw.) Grolle 1961 (Hodgetts 2008).
- Schisma hildebrandtii* Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Grolle 1978, Hodgetts 2008).
- Schisma kilimandjarense* Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma lobatum* Steph. 1911 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma mascarenicum* Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma mascarenicum* var. *kikujense* Gola 1914 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma molle* (Steph.) Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- Schisma seriatum* Steph. 1909 = *Herbertus juniperoides* (Sw.) Grolle 1961 (Grolle 1978, Hodgetts 2008).
- Schisma stuhlmannii* Steph. 1909 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).
- *** *Schistochila alata* (Lehm.) Schiffn. MDG(1,4), SAF(2).
- Schistochila borbonica* Steph. 1890 = *Schistochila neesii* (Mont.) Lindb. 1873 (Jones 1976a).
- *** *Schistochila congoana* Steph. (E) CON(2).
- ** *Schistochila engleriana* Steph. (E) COM(1,4), MLW(2,109), RWA(2,2864), TAN(2).
- Schistochila limbata* S.W.Arnell 1957 = *Schistochila sphagnoides* (Schwägr.) Lindb. ex Steph. 1909 (Jones 1976a).
- ** *Schistochila neesii* (Mont.) Lindb. (E) COM(4), MAS(1), MAU(1,4,2170), MDG(1,4,720), REU(1,4).
- Schistochila pauciserrata* Kiaer et Pearson 1892 = *Schistochila alata* (Lehm.) Schiffn. 1893 (Pócs & Geissler 2002).
- *** *Schistochila piligera* Steph. (E) MDG(1,4,720).

*** *Schistochila sphagnoides* (Schwägr.) Lindb. ex Steph. ② MAU(1), MLW(2,109), MOZ(2), REU(1,4), SAF(2), ZIM(2).

Schistochila thouarsii (Hook.) Dumort. ex Trevis. 1877 = *Schistochila sphagnoides* (Schwägr.) Steph. ex Steph. 1909 (Jones 1976).

Schistochilaster englerianus (Steph.) H.A.Mill. 1970 = *Schistochila engleriana* Steph. (Grolle & Zijlstra 1984).

Schistochilaster neesii (Mont.) H.A.Mill. 1970 = *Schistochila neesii* (Mont.) Lindb. 1873.

Schistochilaster piliger (Steph.) H.A.Mill. 1970 "piligerum" = *Schistochila piligera* Steph. 1890 (Grolle 1995).

Sendtnera capillaris (Steph.) Renauld 1898 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).

Sendtnera diclados (Brid. ex F.Weber) Endl. ex Gotsche, Lindenb. et Nees 1845 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Vanden Berghen 1973).

Sendtnera dicrana Taylor ex Gotsche, Lindenb. et Nees 1845 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Grolle 1995).

Sendtnera juniperina Nees 1845 = *Herbertus juniperoides* (Sw.) Grolle 1961 (Grolle 1995, Hodgetts 2008). *Sendtnera mascarenica* Mitt. 1860 = *Mastigophora diclados* (Brid. ex F.Weber) Nees 1838 (Inoue 1971).

Sendtnera mollis Steph. 1886 = *Herbertus dicranus* (Gottsche, Lindenb. et Nees) Trevis. 1877 (Hodgetts 2008).

Simia atroviridis (Sim) S.W.Arnell 1962, nom. inval. = *Cylindrocolea atroviridis* (Sim) Váňa 1979 (Schuster 1973) = *Cylindrocolea abyssinica* (Gola) Váňa 2013 (Váňa et al. 2013d).

Solenostoma abyssinicum (Nees) Steph. 1901 = *Solenostoma confertissimum* (Nees) Schljakov 1981 (Shaw et al. 2015).

*** *Solenostoma atrovirens* Steph. [non (Dumort.) Müll.Frib, hom. illeg.] ② ETH(2345), KEN(2), REU(1).

Solenostoma austroafricanum (S.W.Arnell) S.W.Arnell 1963 = *Jungermannia mildbraedii* Steph. 1914 (Váňa 1974a) = *Solenostoma mildbraedii* (Steph.) R.M.Schust. 2002 (Schuster 2002a).

*** *Solenostoma balfourii* (Váňa) Váňa, Hentschel et Heinrichs ② MAU(1,2599,2644), REU(2129).

Solenostoma belangerianum Steph. 1917 = *Notoscyphus belangerianus* (Lehm. et Lindenb.) Mitt. 1877 (Váňa 1985) = *Notoscyphus lutescens* (Lehm. et Lindenb.) Mitt. 1873 (Schiffner 1898, Grolle 1995).

*** *Solenostoma borgenii* (Gottsche) Steph. ② ANG(2), BIO(1718), BOT(2), CMN(2), COM(2366), CON(2), DRC(2), ETH(2345), KEN(2), MAU(1), MDG(1), MLW(2,114), REU(1), RWA(2,2864), SAF(2), SAO(2,2684), TAN(2), UGA(2,96,1472), ZAM(2), ZIM(2).

*** *Solenostoma confertissimum* (Nees) Schljakov ETH(2), KEN(2), TAN(2), UGA(2,1472).

*** *Solenostoma dusenii* (Steph.) Váňa, Hentschel et Heinrichs ② BIO(1718), CMN(2), SAO(2,2684).

Solenostoma lacouturei Steph. 1917 = *Solenostoma borgenii* (Gottsche) Steph. 1901 (Váňa 1974a, Schuster 2002a).

*** *Solenostoma mildbraedii* (Steph.) R.M.Schust. ② DRC(2816), RWA(2,2816,2864), SAF(2), TAN(2), UGA(2,1472), ZIM(2859).

*** *Solenostoma onraedtii* (Váňa) Váňa, Hentschel et Heinrichs ② COM(2785), MDG(1), REU(1).

Solenostoma perlo Gola 1914 = *Jungermannia perlo* (Gola) Váňa 1973 (Váňa 1973) = *Solenostoma atrovirens* Steph. 1901 [non (Dumort.) Müll.Frib, hom. illeg.]

*** *Solenostoma pocsii* (Váňa) Bakalin ② KEN(2), SAF(2), TAN(2).

*** *Solenostoma renauldii* (Steph.) Váňa, Hentschel et Heinrichs ② MDG(1), REU(1), UGA(2,96,1472).

*** *Solenostoma sphaerocarpum* (Hook.) Steph. CMN(2), DRC(2), LES(75), MAU(2170), MDG(1), MLW(2), REU(1), RWA(2,2864), SAF(75), TAN(2), UGA(2,42,1472), ZIM(2).

Solenostoma stoloniferum (Steph.) S.W.Arnell 1963 = *Solenostoma borgenii* (Gottsche) Steph. 1901 (Váňa 1974a, Schuster 2002a).

*** *Southbya nigrella* (De Not.) Henriq. SOC(746).

*** *Sphaerocarpos stipitatus* Bisch. ex Lindenb. SAF(2,77).

*** *Sphenolobopsis pearsonii* (Spruce) R.M.Schust. KEN(102), MLW(102).

Sphenolobus argentinus Steph. 1902 = *Lophozia argentina* (Steph.) R.M.Schust. 1966 (Váňa 1982).

Sphenolobus crispifolius Steph. 1924 = *Plagiochila squamulosa* var. *crispulocaudata* (Gottsche) Vanden Berghen 1981 (Váňa 1982).

Sphenolobus flagellaris (S.Hatt.) Grolle 1963 = *Iwatsukia jishibae* (Steph.) N.Kitag. 1965 (Grolle 1965a) = *Odontoschisma jishibae* (Steph.) Váňa et L.Söderstr. 2013 (Váňa *et al.* 2013e).
Sphenolobus laceratus Steph. 1902 [*non Gymnomitrion laceratum* (Steph.) Horik.] = *Gymnomitrion andinum* (Herzog) Herzog 1934 (Schuster 1966b).

- *** *Sphenolobus minutus* (Schreb. ex D.Crantz) Berggr. BIO(1718), CMN(2), DRC(667), KEN(2), SAF(2,75), TAN(2), UGA(2,1426).
Sphenolobus nigrus Rodway 1916 = *Allisoniella nigra* (Rodway) R.M.Schust. 1972 (Váňa 1985).
Sphenolobus perigonialis (Hook f. et Taylor) Steph. 1902 = *Andrewsianthus perigonialis* (Hook.f. et Taylor) R.M.Schust. 1966 (Váňa 1985).
Sphenolobus savioi Gola 1914 = *Anastrophyllo auritum* (Lehm.) Steph. 1901 (Váňa 1975).
*** *Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. ANG(2), BIO(1778), CAF(2), CMN(2), GAB(2), GHA(2,3013), GUI(2), MAU(1,2170,2722), MLW(563), NGA(2), PRI(2750), RIM(10), SEN(3041), SIE(2), TAN(2), UGA(50).
*** *Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. Ⓢ ANG(2848), BEN(22,2798), CAF(2,2798), CMN(2), DRC(2), GAB(2,2798), GHA(2,2798,3013), GUI(2), IVO(2,2798), NGA(2,2798), PRI(48), RIM(10,2798), SIE(2,2798), TAN(2), TOG(2,101,2798), UGA(115).
Spruceanthus marianus (Gottsche) Mizut. 1966 = *Cheilolejeunea mariana* (Gottsche) B.Thiers et Gradst. 1989.

- *** *Spruceanthus planiusculus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst. SEY(1).
Sprucella moenkemeyeri Steph. 1886 = *Sprucella succida* (Mitt.) Steph. 1891 = *Lepidozia succida* Mitt. 1860 (Vanden Berghen 1983).
Sprucella succida (Mitt.) Steph. 1891 = *Lepidozia succida* Mitt. 1860 (Vanden Berghen 1983).
Sprucella ubangiensis (Steph.) Fulford et J.Taylor 1959 = *Lepidozia ubangiensis* Steph. (Pócs 1994b).
Stenorhipis madagascariensis (Steph.) Grolle 1963 = *Kymatocalyx madagascariensis* (Steph.) Gradst. et Váňa 1999 (Gradstein & Váňa 1999).
Stenorhipis rhizomatrica Herzog 1950 = *Kymatocalyx rhizomatrica* (Herzog) Gradst. et Váňa (Gradstein & Váňa 1999).

- *** *Stephaniella paraphyllina* J.B.Jack LES(75), SAF(2,75,100).
Stictolejeunea africana Vanden Berghen 1950 = *S. balfourii* (Vanden Berghen) E.W.Jones 1976 (Jones 1976b).
*** *Stictolejeunea balfourii* (Mitt.) E.W.Jones CAF(2), CMN(2), GHA(2,3013), IVO(2,53), MAU(1), NGA(2), PRI(2750), REU(1), RIM(10), ROD(1), SIE(2).
Strepsilejeunea acuta (Mitt.) Steph. 1895 = *Lejeunea acuta* Mitt. 1863 (Grolle 1995).
Strepsilejeunea brevifissa (Gottsche) Steph. 1895 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).
Strepsilejeunea brevifissa sensu Vanden Berghen 1960, p.p. = *Cheilolejeunea usambarana* (Steph.) Grolle 1979 (Wigginton & Grolle 1996).
Strepsilejeunea cardiophylla (Gottsche) Steph. 1913 = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Grolle 1991) = *Lejeunea conformis* Nees et Mont 1843 (Söderström, Barrie *et al.* 2015).
Strepsilejeunea compressa Herzog 1947 = *Cheilolejeunea compressa* (Herzog) Grolle 1995 (Grolle 1995).
Strepsilejeunea cordistipula Steph. 1913 = *Cheilolejeunea cordistipula* (Steph.) Grolle ex E.W.Jones 1985 (Jones 1985a).
Strepsilejeunea decemplicata Steph. in Levier 1901, *nom. inval.* = *Cheilolejeunea pluriplicata* (Pearson) R.M.Schust. 1980 (Jones 1988).
Strepsilejeunea decemplicata Steph. in Renauld 1909, *nom. inval.* = *Cheilolejeunea pluriplicata* (Pearson) R.M.Schust. 1980 (Jones 1988).
Strepsilejeunea georgensis S.W.Arnell 1953 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).
Strepsilejeunea inflata Steph. 1913 [*non Cheilolejeunea inflata* Steph. 1914] = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 "krakagamae" (Grolle 1995).
Strepsilejeunea knysnana S.W.Arnell 1953 = *Strepsilejeunea krakakammae* (Lindenb.) Steph. 1913 (Arnell 1955) = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).
Strepsilejeunea krakakammae (Lindenb.) Steph. 1913 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).
Strepsilejeunea usambarana Steph. 1913 = *Cheilolejeunea usambarana* (Steph.) Grolle 1979 (Jones 1988).

- * *Strepsilejeunea vatovae* Gerola Ⓢ Known only from the type from Ethiopia (Gerola 1947). Perhaps a species of *Cheilolejeunea*, but its generic position and validity is yet to be established.
Stylolejeunea duncaniae Sim 1926 "duncani" = *Lejeunea duncaniae* (Sim) M.E.Reiner (Pócs, Zhu *et al.* 2015).
Stylolejeunea rhodesiae Sim 1926 = *Lejeunea rhodesiae* (Sim) R.M.Schust. 1962 (Schuster 1962).
Stylolejeunea setacea (Steph.) S.W.Arnell 1953 = *Lejeunea setacea* (Steph.) Steph. 1914 (Jones 1969).
Symbiezidium balfourii (Mitt.) Steph. 1912 = *Stictolejeunea balfourii* (Mitt.) E.W.Jones 1976 (Jones 1976b).

*** *Symbiezidium barbiflorum* (Lindenb. et Gottsche) A.Evans MDG(713).

*** *Symbiezidium madagascariense* Steph. Ⓣ MDG(1,4), SEY(1). One of the two collections from Madagascar published in Pócs (1995) subsequently proved to be of *S. barbiflorum* (Sass-Gyarmati & Pócs 2002).

Symbiezidium rotale (Hook.f. et Taylor) Trevis. 1877 = *Aureolejeunea rotalis* (Hook f. et Taylor) Gradst. et P.Geissler 1997 (Gradstein & Geissler 1997) = *Cheilolejeunea rotalis* (Hook.f. et Taylor) M.Wigginton 2012 (Wigginton 2012).

Symphyogyna aloysii-sabaudiae Gola 1907 probably = *Symphyogyna volvensii* Steph. 1900 (Vanden Berghen 1965).

*** *Symphyogyna brasiliensis* Nees et Mont. ANG(2), ASC(2,3065), BIO(1718), BUR(2), CMN(2), DRC(2), GHA(2), MAU(1), MDG(1), MLW(2,29), NGA(2), REU(1), RWA(2,2864), SAF(2), SIE(2), STH(2,49,2895), SWZ(2), TAN(2), UGA(2,96), ZAM(2), ZIM(2).

Symphyogyna convoluta Gottsche 1846 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).

Symphyogyna filicum Nadeaud 1873 = *Symphyogynopsis gottscheana* (Mont. et Nees) Grolle 1987 (Grolle 1987).

Symphyogyna gottscheana Mont. et Nees 1846 = *Symphyogynopsis gottscheana* (Mont. et Nees) Grolle 1987 (Grolle 1987).

Symphyogyna harveyana Taylor 1846 = *Symphyogyna podophylla* (Thunb.) Nees et Mont. 1846 (Sim 1926, Grolle 1979a).

Symphyogyna lehmanniana Mont. et Nees 1846 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).

*** *Symphyogyna podophylla* (Thunb.) Nees et Mont. BIO(1718), CMN(2), DRC(2), ETH(2), KEN(2,71), MAU(1,2170), MDG(3081), MLW(2,29), REU(1), RWA(2,2864), SAF(2), SAO(2374), TAN(2), UGA(2,96), ZIM(2). Listed without details from Namibia (3106), but Perold (1993d) did not include that country in its distribution.

Symphyogyna aff. *podophylla* MDG(2498).

Symphyogyna rhizobola (Schwägr.) Nees 1846 = *Symphyogyna podophylla* (Thunb.) Nees et Mont. 1846 (Castle 1969).

Symphyogyna rigida Steph. 1911 = *Symphyogyna podophylla* (Thunb.) Nees et Mont. 1846 (Vanden Berghen 1965).

Symphyogyna sellae Gola 1907 = *Symphyogyna podophylla* (Thunb.) Nees et Mont. 1846 (Arnell 1956a).

Symphyogyna serrata Mitt. 1875 = *Jensenia spinosa* (Lindenb. et Gottsche) Grolle 1986 (Castle 1969).

Symphyogyna spinosa Lindenb. et Gottsche 1847 = *Jensenia spinosa* (Lindenb. et Gottsche) Grolle 1986 (Grolle & Piippo 1986).

Symphyogyna tenuicosta - an orthographic error for *Symphyogyna tenuicostata* Steph. (in Arnell (1956a).

Symphyogyna tenuicostata Steph. 1895 = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).

Symphyogyna valida Steph. 1917 = *Symphyogyna lehmanniana* Nees et Mont. 1846 (Vanden Berghen 1965) = *Symphyogyna brasiliensis* Nees et Mont. 1836 (Grolle 1975b).

** *Symphyogyna volvensii* Steph. Ⓣ DRC(2), KEN(2), RWA(2,2864), TAN(2), UGA(2,96).

Symphyogynopsis filicum (Nadeaud) Grolle 1986 = *Symphyogynopsis gottscheana* (Mont. et Nees) Grolle 1987 (Grolle 1987).

*** *Symphyogynopsis gottscheana* (Mont. et Nees) Grolle BIO(36), CMN(146), COM(1),

ETH(2916), MAU(1), MDG(1), MLW(29), REU(1).

Symphyomitra africana Steph. 1917 = *Lethocolea congesta* (Lehm.) S.W.Arnell 1955 (Arnell 1955).

Symphyomitra glossophylla sensu Renaud 1909 = *Lethocolea glossophylla* (Spruce) Grolle. The record of *S. glossophylla* from the Comoros (Renaud 1909) presumably belongs to *Lethocolea congesta* (Lehm) S.W.Arnell (fide Grolle 1995).

Symphyomitra tabularis S.W.Arnell 1953 = *Lethocolea congesta* (Lehm.) S.W.Arnell 1955 (Arnell 1955).

Synymenium aureonitens Griff. 1849 = *Cyathodium aureonitens* (Griff.) Mitt. 1886 (Srivastava & Dixit 1996).

*** *Syzygiella colorata* (Lehm.) K.Feldberg, Váňa, Hentschel et Heinrichs MDG(2785),

SAF(2,75).

*** *Syzygiella concreta* (Gottsche) Spruce KEN(2), MDG(1,720), RWA(2,2864), TAN(2), DRC(2).

Syzygiella geminifolia (Mitt.) Steph. 1902 = *Syzygiella manca* (Mont.) Steph. 1893 (Gradstein 2013c).

Syzygiella macrocalyx (Mont.) Spruce 1876 Reports from Mauritius and Réunion (Bescherelle 1895) of this neotropical species are treated as erroneous (Grolle 1995).

*** *Syzygiella manca* (Mont.) Steph. BIO(36), DRC(2), ETH(2), MDG(1,4,720), REU(1,4), RWA(2,2864), SAO(2,2684), TAN(2).

** *Syzygiella oenops* (Lindenb. et Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs SAF(1847). Grolle (1971) treated *Syzygiella oenops* as a synonym of *Jamesoniella* (*Syzygiella*) col-

orata, but De Roo *et al.* (2007) showed that *Jamesoniella (Syzygiella) oenops* is well separated from it.

- *** ***Syzygiella purpurascens*** (Steph.) K.Feldberg, Váňa, Hentschel et Heinrichs (E) DRC(2), MAU(1), MDG(1,4,720), MLW(2,114), REU(1), RWA(2864), SAF(2), TAN(2), ZAM(2).
Syzygiella ruwenzorensis Steph. 1917 = *Syzygiella geminifolia* (Mitt.) Steph. 1902 (Váňa *et al.* 1979) = *Syzygiella manca* (Mont.) Steph. 1893 (Gradstein 2013c).
Syzygiella securifolia (Nees in Lindenb.) Inoue 1979 The record from Príncipe (Stephani 1888) of this Asian species is treated as an error. See also note under *Syzygiella subintegerrima*.
- *** ***Syzygiella sonderi*** (Gott sche) K.Feldberg, Váňa, Hentschel et Heinrichs MDG(1), MLW(114), REU(1,4), SAF(2).
Syzygiella subintegerrima (Reinw., Blume et Nees) Spruce ex A.Gepp *Syzygiella subintegerrima* is close to *S. securifolia*, and it is debatable whether they can be separated at species level (Feldberg *et al.* 2010; Söderström *et al.* 2010). Both species have an E. Asian distribution, with *S. securifolia* extending west to Sri Lanka. One record from Réunion is known to be erroneous (Grolle 1995); the other African record, from South Africa, is also treated as an error.
- Syzygiella* sp.** The collection from South Africa was considered distinct from *S. concreta* and *S. geminifolia*, but it is indeterminate since only a few sterile stems are present (Váňa 1985).
Targionia capensis Huebener 1834 = *Targionia hypophylla* L. 1753 (Perold 1993b).
- * ***Targionia dioica*** Schiffn. (E) MDG(2498). Söderström, Gradstein & Hagborg (2010) considered it probably synonymous with *Targionia hypophylla* L.
- * ***Targionia elongata*** Bisch. ex Gottsche, Lindenb. et Nees (E) ETH(2).
- * ***Targionia fiorii*** Gola (E) Known only from the original collections from Eritrea (Gola 1914b).
- *** ***Targionia hypophylla*** L. BIO(1718,1778), CHA(2,3), CMN(2), COM(4), CVI(37), DJI(2), DRC(2), ERI(2), ETH(2,113), GHA(2), KEN(2,665,2066,2107), LES(2,75,1132), MDG(1), MLW(2,114), NAM(2), NGA(2), REU(1), RWA(2864,2938), SAF(2,170,1132), SOC(764), TAN(2), UGA(42,96), ZAM(2), ZIM(2).
Targionia hypophylla var. *capensis* (Huebener) C.Krauss 1846 = *Targionia hypophylla* L. 1753 (Perold 1993b).
- ** ***Targionia lorbeeriana*** Müll.Frib. BIO(1778), MDG(1), KEN(2), REU(1), TAN(2). *T. lorbeeriana* was placed in synonymy with *T. hypophylla* by Garcia-Zamora *et al.* (1989), and the conspecificity of the two taxa was supported by Boisselier-Dubayle & Bischler (1999). However, Grolle (1995) and Grolle & Long (2000) considered the complex far from clarified.
Targionia orbicularis Schwein. 1821 = *Notothylas orbicularis* (Schwein.) Sull. 1846 (Schuster 1992b).
- Taxilejeunea*** is now regarded as congeneric with *Lejeunea* (e.g. Heinrichs, Dong, *et al.* 2013; Gradstein 2013b), but many taxa are yet to be transferred. Since the status of three African taxa has not been critically revised, and some may be synonyms or belong in other genera, they remain listed under *Taxilejeunea* for the time being.
- Taxilejeunea acuta* (Mitt.) Steph. 1914 = *Lejeunea acuta* Mitt. 1863 (Vanden Berghen 1961).
Taxilejeunea appressa (A.Evans) Zwicker 1933 = *Cololejeunea appressa* (A.Evans) Benedix 1953 (Benedix 1953).
Taxilejeunea borbonica S.W.Arnell 1965 = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c)
Taxilejeunea conformis (Nees et Mont.) Steph. 1890 = *Lejeunea conformis* Nees et Mont. 1843 (Söderström, Barrie *et al.* 2015).
- * ***Taxilejeunea cuneistipula*** Steph. Known only from the type from Cameroun (Stephani 1923). Stephani Icons no. 9982 suggests it may be a species of *Lejeunea* or *Cheilolejeunea* (Wigginton & Grolle 1996).
Taxilejeunea dusenii Steph. 1891 = *Lejeunea ramosissima* Steph. 1887 (Jones 1967).
Taxilejeunea epiphyta Steph. 1914 = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Jones 1967) = *Lejeunea conformis* Nees et Mont. 1843 (Söderström, Barrie *et al.* 2015).
- ** ***Taxilejeunea furcicornuta*** Grolle (E) MAU(1,2170), MDG(1), REU(1,4).
Taxilejeunea heterofolia Steph. 1914 = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c). Tixier (1995) treated *T. heterofolia* as a distinct species and recorded it from Rwanda. Chuah-Petiot (1997) recorded it from Kenya.
Taxilejeunea krakakammae (Lindenb.) Sim 1926 = *Strepsilejeunea krakakammae* (Lindenb.) Steph. 1913 = *Cheilolejeunea krakakammae* (Lindenb.) R.M.Schust. 1963 (Jones 1988).
Taxilejeunea lindblomii Pearson 1924 = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Grolle 1991) = *Lejeunea conformis* Nees et Mont 1843 (Söderström, Barrie *et al.* 2015).
Taxilejeunea longirostris Steph. 1914 = *Lejeunea grosscristata* (Steph.) E.W.Jones 1968 (Jones 1979).
Taxilejeunea lyratiflora (Prantl) Tixier 1995 = *Lejeunea lyratiflora* Prantl 1892 (e.g. Vanden Berghen 1972a).
Taxilejeunea mitracalyx Eifrig 1936 = *Lejeunea alata* Gottsche 1845 (Grolle 1977).

- Taxilejeunea nicholsonii* Pearson 1931 = *Lejeunea grossecristata* (Steph.) E.W.Jones 1968 (Jones & Harrington 1983).
- Taxilejeunea pulchriflora* Pearson = *Lejeunea pulchriflora* (Pearson) G.E. Lee, Bechteler, Pócs, Schäf-Verw. et Heinrichs 2015 (Lee *et al.* 2015).
- Taxilejeunea pusilla* Pearson 1924, *hom. illeg. [non Steph. 1916]* = *Lejeunea eckloniana* Lindenb. 1845 (Jones 1974c).
- Taxilejeunea ramosissima* (Steph.) Steph. 1914 = *Lejeunea ramosissima* Steph. 1886 (Jones 1967).
- Taxilejeunea rotundiflora* Steph. 1925 perhaps = *Lejeunea caespitosa* auct. (Jones 1972) = *Lejeunea anisophylla* Mont. 1843 (Pócs 2010a).
- Taxilejeunea sikorae* Steph. 1893 = *Lejeunea sikorae* (Steph.) Steph. 1894 (Söderström, Hagborg, von Konrat *et al.* 2016).
- Taxilejeunea trichomanoides* (Mont. et Nees) Steph. 1914 = *Lejeunea trichomanoides* Mont. et Nees 1844 (Geissler & Bischler 1990) = *Taxilejeunea conformis* (Nees et Mont.) Steph. 1890 (Jones 1967) = *Lejeunea conformis* Nees et Mont 1843 (Söderström, Barrie *et al.* 2015).
- ** *Taxilejeunea vallis-gratiae* Steph. Ⓢ LES(75), SAF(2,75).
- ** *Telaranea bischleriana* Pócs Ⓢ MDG(1744), SEY(1744).
- *** *Telaranea coactilis* (Spruce) J.J.Engel et G.L.Merr. ANG(2848), ANN(1689), GHA(3013), MDG(1,1689), NGA(1689), RWA(1689,2864), SAF(1689), SAO(2374,2750), TAN(1689). Engel & Smith Merrill (2004) considered all African material they had seen resembled *T. coactilis* rather than *T. diacantha* (from the countries with ref. 1689 above), and considered the latter species exclusively neotropical. However, Pócs (pers. comm.) has found both species represented in African collections.
- *** *Telaranea diacantha* (Mont.) J.J.Engel et G.L.Merr. ANN(2,33), BIO(36), COM(4), DRC(2), ETH(2345), GHA(2), IVO(2), KEN(71,665), MAU(1,2170), MDG(1,4,720), MLW(2,92), MOZ(2), REU(1), RIM(10), RWA(2), SAF(2), SEY(1,4,13), SIE(2), TAN(2), UGA(42,50), ZAM(2), ZIM(1). It is yet to be shown whether all the country records listed here represent *T. diacantha*, or whether some should be assigned to *T. coactilis*.
- ** *Telaranea maorensis* Pócs Ⓢ COM(1744).
- *** *Telaranea nematodes* (Gottsche ex Austin) M.Howe BIO(72), BUR(2), COM(1), DRC(2), ETH(2345), GAB(2), GHA(2,3013), KEN(48), MDG(1), MLW(2,92), REU(4), RIM(10), RWA(2), SAF(2), SAO(2,2684), SIE(2), TAN(2), TOG(2), UGA(42,50,96), ZAM(2), ZIM(2).
- *** *Telaranea redacta* (Steph.) J.J.Engel et G.L.Merr. Ⓢ GHA(1689), KEN(1689), RWA(1689,2864), SAF(1689), ZAM(1689). *Lepidozia redacta* (*T. redacta*) was formerly treated as a synonym of *Telaranea nematodes*, but Engel & Smith Merrill (2004) found some distinctions that they considered sufficient to merit its recognition as a full species.
- Telaranea succulenta* (Sim) Grolle 1964 = *Paracromastigum succulentum* (Sim) J.J.Engel et G.L.Merr. 2001 (Engel & Merrill 2001).
- Telaranea trifida* (Steph.) R.M.Schust. 1966 = *Neolepidozia trifida* (Steph.) E.D.Cooper 2013 (Cooper *et al.* 2013).
- *** *Tetralophozia cavallii* (Gola) Váňa Ⓢ DRC(2), ETH(2), KEN(2), MLW(114), RWA(2,2864), TAN(2), UGA(2,42,96,1426), ZIM(2).
- Thysananthus africanus* Steph. 1886 = *Caudalejeunea africana* (Steph.) Schiffn. 1893 (Vanden Berghen 1948d).
- Thysananthus africanus* Sim) S.W.Arnell 1953, *nom. illeg. [non Steph. 1886]* = *Thysanolejeunea africana* Sim (Arnell 1953b).
- *** *Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. var. *auriculatus* ANG(2848), ANN(2,33), BEN(22), CAF(2,2798), CMN(2), CON(2), DRC(2), GAB(2), GHA(2,2798,3013), GUI(2), IVO(2,53), KEN(2798), MAU(4,2798), MDG(1,2798), MLI(2798) MOZ(2), MLW(2798), NGA(2,127,2798), PRI(2684), REU(1,2798), RIM(10), ROD(1,723), SAO(2,2684), SEN(2), SIE(2,2798), SOC(746), SSD(2), TAN(2,2798), TOG(2,101,2798), UGA(96,2798), ZAM(2798).
- *** *Thysananthus auriculatus* var. *rhodesicus* (Vanden Berghen) Sukkharak et Gradst. Ⓢ CAF(2), DRC(2), KEN(2), MDG(1,2798), MLW(2), MOZ(2736), REU(1), TAN(2,2798), ZAM(2,2798).
- *** *Thysananthus comosus* Lindenb. ex Lehm. SEY(2731).
- *** *Thysananthus humilis* (Gottsche) Sukkharak et Gradst. BEN(2798), CAF(2798), CMN(2798), COM(2798), GAB(2798), GHA(2798), GUI(2798), KEN(2798), MOZ(2798), NGA(2798), PRI(2798), RIM(2798), SAO(2798), SIE(2798), TAN(2798), TOG(2798), UGA(2798).

Mastigolejeunea humilis was removed from synonymy with *M. auriculata* by Sukkharak & Gradstein (2014).

Thysananthus moenkemeyeri Steph. 1895, nom. nud. = *Caudalejeunea africana* (Steph.) Schiffn. 1893 (Vanden Berghen 1948d).

Thysananthus monoicus Steph. 1912 = *Thysananthus spathulistipus* (Reinw., Blume et Nees) Lindenb. 1845 (Verdoorn 1934).

*** ***Thysananthus nigrus*** (Steph.) Sukkharak et Gradst. ⑩ ANG(2848), BEN(22), CMN(2,2798), DRC(2,2798), GAB(2,2798), GHA(2,2798,3013), GUI(2,2798), IVO(2), MLW(2,2798), NGA(2,2798,3083), PRI(2750), SAO(2,2684,2798), SIE(2,2798), TAN(2,2798), UGA(96,776,2798).

Thysananthus planus Sande Lac. 1855 = *Thysananthus retusus* (Reinw., Blume et Nees) B.Thiers et Gradst. 1989 (Grolle 1995).

Thysananthus retusus (Reinw., Blume et Nees) B.Thiers et Gradst. The reports from the Mascarene Islands were rejected by (Grolle 1995).

*** ***Thysananthus spathulistipus*** (Reinw., Blume et Nees) Lindenb. CMN(2,2731), DRC(2,2731), GAB(2,2731), GHA(2,2731), IVO(2,53,2731), MAU(1,2170,2731), MDG(1,720,2731), NGA(2,2731), REU(1,2731), RIM(10), SEY(1,4,2731), SIE(2).

Thysananthus triquetrus (Mitt.) Steph. 1912 = *Thysananthus spathulistipus* (Reinw., Blume et Nees) Lindenb. 1845 (Jones & Harrington 1983).

*** ***Thysananthus turgidus*** (Steph.) Sukkharak et Gradst. ⑩ BIO(2,33), CMN(2,2798), GHA(2,2798), NGA(2,2798), PRI(2), SAO(2).

*** ***Thysananthus virens*** (Ångstr.) Sukkharak et Gradst. SEY(2798).

* ***Thysanolejeunea africana*** Sim 1926. ⑩ Taxonomic position and status to be re-assessed. Not seen by Sukkharak (2015). Described by Sim (1926) from South Africa, and apparently collected only once. Another description was published by Arnell (1953b) under the name *Thysananthus africanus* (Sim) Arnell [nom. illeg.]. Sim (1926) and Vanden Berghen (1948d) distinguished it from *Caudalejeunea africana* (Steph.) Schiffn.

Thysanolejeunea spathulistipa (Reinw., Blume et Nees) J.B.Jack et Steph. 1894 = *Thysananthus spathulistipus* (Reinw., Blume et Nees) Lindenb. 1845 (Vanden Berghen 1950b).

Trachylejeunea grolleana Pócs 1999 = *Xylolejeunea grolleana* (Pócs) Xiao L.He et Grolle 2001 (He & Grolle 2001).

Trachylejeunea serrulata Steph. 1913 = *Lepidolejeunea serrulata* (Steph.) Grolle 1984 (Piippo 1986).

Tritomaria camerunensis S.W.Arnell 1958 = *Tritomaria exsectiformis* subsp. *camerunensis* S.W.Arnell ex Váňa 2013 (Váňa et al. 2013g).

*** ***Tritomaria exsecta*** (Schmidel) Schiffn. ex Loeske ETH(2), KEN(2), MLW(114), RWA(2,2864), SAF(75), TAN(2), UGA(2,42,1426).

** ***Tritomaria exsectiformis*** subsp. *camerunensis* S.W.Arnell ex Váňa ⑩ CMN(2), TAN(2785).

Tylimanthus aetiopicus S.W.Arnell 1961 "aetiopica" = *Tylimanthus laxus* (Lehm. et Lindenb.) Spruce 1885 (Jones 1981; Burghardt & Gradstein 2008) = *Acrobolbus laxus* (Lehm. et Lindenb.) Briscoe 2015 (Briscoe et al. 2015).

Tylimanthus africanus Pearson 1887 = *Acrobolbus africanus* (Pearson) Briscoe 2015 (Briscoe 2015).

Tylimanthus anisodontus (Hook.f. et Taylor) Mitt. ("anisodon") 1875 = *Acrobolbus anisodontus* (Hook.f. et Taylor) Briscoe (Briscoe 2015).

Tylimanthus chenagonii Steph. 1905 = *Plagiochila integerrima* Steph. 1886 (Grolle 1989a).

Tylimanthus congoensis Steph. 1922 = *Plagiochila integerrima* Steph. 1886 (Grolle 1989a).

Tylimanthus laxus (Lehm. et Lindenb.) Spruce 1885 - see note under *Acrobolbus ruwenzoriensis* (Lehm. et Lindenb.) Briscoe.

Tylimanthus lespagnolii Steph. 1905 = *Plagiochila integerrima* Steph. 1886 (Grolle 1989a).

Tylimanthus limbatus Steph. 1911 = *Marsupidium limbatum* (Steph.) Grolle 1965 (Grolle 1965b) = *Acrobolbus limbatus* (Steph.) Briscoe et J.J.Engel 2015 (Briscoe et al. 2015).

Tylimanthus madagascariensis Steph. 1901, nom. inval. = *Kymatocalyx madagascariensis* (Steph.) Gradst. et Váňa 1999 (Gradstein & Váňa 1999).

Tylimanthus retusus Steph. 1922 = *Plagiochila integerrima* Steph. 1886 (Grolle 1989a).

Tylimanthus ruwenzorensis S.W.Arnell 1957 = *Tylimanthus laxus* (Lehm. et Lindenb.) Spruce 1885

(Burghardt & Gradstein 2008) = *Acrobolbus ruwenzorensis* (Lehm. et Lindenb.) Briscoe (Briscoe 2015).

Tylimanthus schweinfurthii Steph. 1905 = *Plagiochila integerrima* Steph. 1886 (Grolle 1989a).

Tylimanthus wilmsii Steph. 1922 = *Marsupidium limbatum* (Steph.) Grolle 1965 (Grolle 1965b).

*** ***Wiesnerella denudata*** (Mitt.) Steph. REU(1).

*** ***Xylolejeunea grolleana*** (Pócs) Xiao L.He et Grolle ⑩ MDG(5,149), REU(2360).

*** ***Xylolejeunea muricella*** Xiao L.He et Grolle ⑩ SEY(149).

Numerical reference

The full literature reference can be found by translating the numerical reference shown in brackets after the country in the main list (or in additional notes on the taxon) to the author + year equivalent and cross-referencing with the Reference list below.

References added in this edition of the checklist are asterisked.

1	Grolle 1995	83	Perold 1997f	143	Arnell 1957a
2	Wigginton & Grolle 1996	84	Perold 1998a	144	Stephani 1891a
3	Ros <i>et al.</i> 1999	85	Perold 1998b	145	Castle 1939
4	Pócs 1995	86	Perold 1998c	146	Grolle & Piippo 1986
5	Pócs 1999b	87	Perold 1999a	147	Vanden Berghen 1976
6	Pócs 1997	88	Perold 1999b	148	Long & Grolle 1992
7	Arnell 1956a	89	Perold 1999c	149	He & Grolle 2001
9	During & Moyo 1999	90	Perold 1999d	152	Tixier 1979a
10	Infante & Heras 1998	91	Perold 1999e	153	Schuster 1996
11	Frahm & Porembski 1998	92	Hodgetts & Pócs 1999	154	Kuwahara 1981
13	Een & Kristoferson 1999	93	Long 2001	155	Kuwahara 1986
14	He 1999	94	Kürschner 2000	156	Váňa <i>et al.</i> 1979
16	Augier 1985	95	Mitten 1863	157	Jones 1972
17	Anon 1994	96	Lye & Pócs 1997	158	Vanden Berghen 1972b
19	Bornefeld <i>et al.</i> 1996	97	Engel 1980	159	Stephani 1895a
20	Cardoso 1915	98	Perold 1997a	160	Grolle & Long 2000
21	Chuah-Petiot 1996	99	Vanden Berghen 1953b	161	Vanden Berghen 1963a
22	Dilg & Frahm 2000	100	Schmitt & Winkler 1968	163	Váňa 1982
23	Wigginton 2000	101	Tixier 1983	164	Schuster 1995b
25	Jones & Harrington 1983	102	Váňa 1998	165	Jones 1953c
26	Tixier 1977	103	Pócs & Streimann 1999	166	Brummitt & Powell 1992
27	Vanden Berghen 1973	104	Jones 1985b	167	Vanden Berghen 1948b
28	Benedix 1953	106	Jones 1968b	168	Reiner-Drehwald 2000
29	Wigginton & Porley 2001	107	Scott 1960	169	Perold 1993b
33	Heras Pérez & Infante	108	Pócs & Tóthmérész 1997	170	Arnell 1963
	Sánchez 1996	109	Hodgetts 1997	*171	O'Shea 1995
34	Seaward <i>et al.</i> 1996	110	Porley 1997	172	Engel 1978
35	Gradstein 1975	111	Váňa 1999	250	Vanden Berghen 1983
36	Müller 1996	112	Arts & Yamada 1998	*251	Vanden Berghen 1984b
37	Frahm <i>et al.</i> 1996	113	Wigginton 2001a	253	Bischler 1970
38	Infante <i>et al.</i> 1999	114	O'Shea <i>et al.</i> 2001	254	Bischler 1978
39	Infante & Heras 1999	115	Wigginton <i>et al.</i> 2001	274	Demaret 1942
42	Pócs & Lye 1999	117	Pócs & Lücking 1996	*307	Gradstein 1992
43	Een 2000	118	Schuster 1995a	311	Evans 1934
45	Müller 2000	119	Srivastava & Dixit 1996	313	Grolle 1959
48	Müller <i>et al.</i> 2000	120	Gola 1914a	314	Grolle 1960a
49	Müller 1999	121	Gola 1914b	315	Grolle 1963b
50	Porley <i>et al.</i> 1999	122	Gradstein 1994	317	Grolle 1964b
51	Müller & Schäfer-Verwimp	123	Grolle 1981b	318	Grolle 1971
	1999	124	Jovet-Ast 1946	336	Jovet-Ast 1954
52	Fischer 1999	125	Muhle 1982	345	Grolle 1979c
53	Gyarmati 2001	126	Geissler 1997	351	Meenks & Pócs 1985
55	Gradstein & Geissler 1997	127	Oyesiku & Egunyomi 2001	378	Pócs 1975
60	Frahm <i>et al.</i> 1996	128	Stephani 1888	380	Pócs 1976
71	Chuah-Petiot 1997	129	Pócs 1999a	382	Pócs 1984a
72	Infante <i>et al.</i> 1997	130	Tixier 1995	383	Pócs 1984b
73	O'Shea <i>et al.</i> 1997	131	Hasegawa 1995	384	Pócs 1984c
74	Gradstein & Váňa 1999	132	Bischler-Causse 1993	401	Schiffner 1942
75	Hodgetts <i>et al.</i> 1999	133	Kruijt & Gradstein 1986	412	Váňa 1974a
76	Perold 1999f	134	Jones 1957a	414	Váňa 1980
77	Perold 2000a	135	Tixier 1985	416	Váňa 1985
78	Perold 2000b	136	Bizot & Pócs 1974	420	Engel & Braggins 1998
79	Perold 1997b	*138	Stephani 1912d	421	Grolle 1983a
80	Perold 1997c	140	Vanden Berghen 1961	424	Piippo 1991
81	Perold 1997d	141	Schuster 1992b	426	Perold 1993a
82	Perold 1997e	142	Fischer 1993	429	Schuster 1966b

430	Schuster 1980a	692	Al-Gifri <i>et al.</i> 1995	833	Gradstein & Vanden Berghen 1985
433	Castle 1964	696	Uribe & Gradstein 1998	834	Vanden Berghen 1948a
435	Castle 1965	702	Zhu & So 2001	835	Gradstein & Inoue 1980
445	Engel 1990	708	Sass-Gyarmati 2001	836	Vanden Berghen 1952
446	Engel & Grolle 1971	709	Pócs 2001	837	Teeuwen 1989
447	Engel & Schuster 1984	712	Pócs & Váňa 2001	838	Vanden Berghen 1950a
451	Grolle 1964	713	Sass-Gyarmati & Pócs 2002	839	Vanden Berghen 1984a
453	Mizutani 1961	715	Arnell 1957c	840	Verdoorn 1930
465	Grolle 1972	716	Perold 1994	841	Vanden Berghen 1978a
471	Grolle 1963a	717	Perold 2002a	842	Vanden Berghen 1978b
472	Grolle 1965a	719	Müller 2002	843	Vanden Berghen 1981
479	Stotler <i>et al.</i> 2003.	720	Pócs & Geissler 2002	844	Schuster 1969a
486	Kuwahara 1983b	722	Jones 1962	845	Jones 1956
494	Váňa 1988	723	Müller & Pócs 2002	846	Gradstein & Hekking 1979
495	Vanden Berghen 1972a	725	González-Mancebo & Ros 2002	847	Grolle 1978
496	Hatcher 1960-61	727	Perold 1995b	848	Grolle 1975a
502	Cufodontis 1952	728	Müller <i>et al.</i> 2001	849	Grolle & Onraedt 1974
503	Gerola 1947	729	So 2002	850	Vanden Berghen 1960a
504	Schuster 2000	731	Bytebier & Chuah-Petiot 2002	851	Vanden Berghen 1948c
507	Bizot & Pócs 1982	732	Vanden Berghen 1951a	852	Gradstein <i>et al.</i> 2001
527	Kitagawa 1981	733	Vanden Berghen 1977	853	Jones 1953b
533	Veltman <i>et al.</i> 2000	734	Perold 2002b	855	Jones 1954a
538	Grolle 1965b	736	Pócs 2002a	856	Jones 1954b
542	Kruijt 1988	738	Pócs 2002b	857	Jones 1954c
543	Kuwahara 1983a	744	Mizutani 1975	858	Jones 1954e
545	Pócs 1978	745	Grolle 1980	861	Jones 1963
547	Perold 1986	746	Kürschner 2003	862	Jones 1964
550	Grolle 2002	759	Chuah-Petiot & Pócs 2003	863	Jones 1967
555	Jovet-Ast 2000	760	Perold 2003a	864	Jones 1968a
556	Engel & Merrill 2001	761	Hodgetts 2003	865	Jones 1969
557	Garcia-Zamora <i>et al.</i> 1989	763	Grolle & So 2003	867	Jones 1974a
558	Kürschner 2001	764	Kürschner 2004a	868	Jones 1974b
563	Wigginton 2001b	765	Zhu & Grolle 2003	869	Jones 1974c
571	Grolle & Reiner-Drehwald 1999	766	Perold 2003b	870	Jones 1975
574	Grolle 1979d	767	So 2004	871	Jones 1976a
578	Thiers & Gradstein 1989	768	Kuwahara 1969	872	Jones 1976b
579	Grolle 1991	769	Kuwahara 1983c	873	Jones 1977
580	Grolle 1979b	770	Kuwahara & Onraedt 1969	874	Jones 1979
582	Piippo 1986	771	So 2003	875	Jones 1981
613	Mizutani 1988	772	Gradstein & Váňa 1987	877	Jones 1985a
615	Schuster 1973	775	Váňa & Müller 2003	878	Jones 1988
623	Grolle & Piippo 1984	776	O'Shea <i>et al.</i> 2003	879	Jones 1989
624	Kuwahara 1984	778	Gradstein & Costa 2003	888	Grolle 1960b
625	Boisselier-Dubayle & Bischler 1999	779	Schuster 2002a	889	Pócs 1994b
649	Vanden Berghen 1960b	780	Schuster 2002b	890	Stotler <i>et al.</i> 1974
650	Jones 1952	790	Dauphin 2000	891	Vanden Berghen 1948d
651	Perold 2001c	795	van Slageren 1985	892	Váňa 1993
652	Perold 2001d	803	Arnell 1952	893	Thiers 1984
653	Perold 2001e	804	Arnell 1953a	894	Sim 1926
654	Jones 1953a	806	Arnell 1953b	895	Inoue 1971
655	Perold 1995a	812	Arnell 1955	898	Grolle 1964d
656	Hyvönen & Piippo 1993	813	Arnell 1956b	900	Grolle 1966
657	Piippo 1993	814	Arnell 1957b	901	Grolle 1968a
658	Hasegawa 1994	815	Arnell 1958a	902	Vanden Berghen 1946
659	Pócs 1994a	816	Arnell 1958b	903	Vanden Berghen 1949
660	Castle 1937	819	Arnell 1961a	905	Vanden Berghen 1950b
661	Grolle 2001	820	Arnell 1961b	906	Vanden Berghen 1951b
663	Perold 2001a	821	Arnell 1962a	907	Vanden Berghen 1951c
664	Perold 2001b	822	Arnell 1962b	912	Schuster 1963
665	Chuah-Petiot 2001	823	Arnell 1965	913	Tixier 1979b
667	Eggers <i>et al.</i> 2001	*825	Augier 1974	914	Tixier 1989
669	Arnell 1960	827	Mitten 1864	915	Pócs 1993a
670	Zhu & Grolle 2001	828	Grolle 1977	916	Schiffner 1898
679	Jones 1990	829	Vanden Berghen 1965	917	Gott sche, Lindenb. et Nees 1845
682	Bonner 1953	830	Jones 1954d	918	Váňa 1975
683	Proskauer 1954	831	Geissler & Gradstein 1994	920	Grolle 1968b
684	Grolle 1983b	832	Gradstein 1974		

921	Grolle 1969	1011	Gottschke 1882	1676	So 2005
924	Grolle 1976a	1012	Thiers 1993	1686	Heinrichs <i>et al.</i> 2005b
927	Grolle 1984	1013	Jones 1958	1688	Ahonen <i>et al.</i> 2005
928	Grolle 1985	1014	Berrie 1975	1689	Engel & Merrill 2004
929	Grolle 1987	1016	Perold & Volk 1988b	1712	Ah-Peng <i>et al.</i> 2005
930	Grolle 1988	1017	Perold 1990a	1715	Pócs & Sass-Gyarmati 2006
931	Grolle 1989a	1018	Perold 1990b	1716	Perold 2004b
936	Reiner-Drehwald 1994	1019	Perold 1991a	1744	Pócs 2006a
937	Grolle 1964c	1020	Perold 1989a	1755	Wigginton 2007
940	Grolle 1973	1021	Jovet-Ast 1965	1761	Wigginton 2006
941	Tixier 1984	1022	Jovet-Ast & Bischler 1971	1760	Seaward <i>et al.</i> 2006
942	Schuster 1966a	1023	Jovet-Ast 1966	1764	Hentschel <i>et al.</i> 2006
943	Schuster 1969b	1024	Jovet-Ast 1957	1778	Müller & Pócs 2007
944	Schuster 1974	1025	Jovet-Ast 1983	1804	Pócs 2006b
*945	Schuster 1992a	1026	Sérgio 1992	1852	Schuster 2006
947	Sérgio 1987	1027	Müller 1952 (1951-58).	1856	Zhu & Gradstein 2003
*948	Lindberg 1848	1028	Perold 1989b	1878	Stotler & Crandall-Stotler 2005
949	Yuzawa 1991	1029	Perold 1991b	1879	Stotler <i>et al.</i> 2005
950	Bizot & Pócs 1979	1030	Váňa 1974b	*1884	Bischler-Causse <i>et al.</i> 2005
951	Demaret & Vanden Berghen 1947	1031	Gradstein & van Beek 1985	1885	Pócs 2004
952	Vanden Berghen 1953a	1033	Schuster 1962	1892	Müller <i>et al.</i> 1999
953	Grolle 1970	1034	Proskauer 1961	1893	Pócs & Schäfer-Verwimp 2006
954	Grolle & Zijlstra 1984	1035	Kitagawa 1969	1895	Váňa 2003
955	Perold 1993c	1036	Zwickel 1933	1917	Perold 2004a
956	Grolle 1979a	1037	Wigginton 2004	1920	Pócs 2005
959	Grolle & Heinrichs 1999	1038	Gradstein & Terken 1981	1976	Gradstein <i>et al.</i> 2006
961	Heinrichs 2002	1040	Schuster 1980b	1985	Kürschner 2006
963	Yamada 1993	1041	Yamada 1979	1998	Steiperae & Matcham 2007
965	Castle 1966	1042	Mizutani 1964	1999	Wigginton <i>et al.</i> 2007
966	Castle 1969	1043	Perold 1994	*2006	Váňa 1973
967	Castle 1968	*1044	Howe 1898	2014	Brummitt 2001
968	Vanden Berghen 1963b	1045	Scott & Pike 1988	2021	De Sloover 2005
969	Pócs 1993b	1046	Grolle & Persson 1966	2047	Duff <i>et al.</i> 2007
970	Grolle 1981a	1047	Evans 1915	2058	Stephani 1894
971	Grolle 1975b	1048	Mizutani 1982	2059	Stephani 1901
972	Verdoorn 1934	1058	Perold 1992a	2066	Pócs & Luke 2007
973	Mitten 1886	1060	Perold 1992b	2087	Váňa & Wigginton 2008
974	Gradstein <i>et al.</i> 1983	*1062	Perold 1993d	2093	Hentschel, Paton <i>et al.</i> 2007
975	Smith 1990	1066	Perold 1995c	2094	De Roo <i>et al.</i> 2007
976	Mizutani 1979	1069	Kürschner 2004b	2095	Hentschel, Zhu <i>et al.</i> 2007
977	Thiers 1983	1088	Inoue 1980	2098	Wilson <i>et al.</i> 2007
979	Bonner 1962-63	1089	Inoue 1979	2107	Pócs <i>et al.</i> 2007
982	Bonner 1964	1103	Bharadwaj 1972	2127	Bray 2001
984	Bonner 1976	1105	Schiffner 1895	2129	Ah-Peng <i>et al.</i> 2008
986	Bonner 1978	1106	Zhu & So 1998	2130	Cykowska <i>et al.</i> 2008
987	Geissler & Bischler 1985	1107	Pócs 1994c	2132	Engel & Glenny 2008
988	Geissler & Bischler 1989	*1115	Tixier 1993	2143	Pócs 2008
989	Geissler & Bischler 1990	1132	Perold 1999g	2156	Crandall-Stotler <i>et al.</i> 2008
990	Hasegawa 1984	1149	Gola 1907	2161	Hodgetts 2008
991	Hasegawa 1993	1150	Stephani 1913a	2167	Pandé & Udar 1958
992	Grolle 1976b	*1174	Zhu & So 1999	2168	Burghardt & Gradstein 2008
993	Hasegawa 1983	1184	Eggers, J. <i>et al.</i> 2004	2169	Heinrichs <i>et al.</i> 2004
994	Hasegawa 1980	1196	Lindner <i>et al.</i> 2004	2170	Tixier & Guého 1997
995	Bapna 1965	*1209	Inoue 1984	*2195	Steel <i>et al.</i> 2006
996	Bharadwaj 1975	*1307	Wijk <i>et al.</i> 1959-1969	*2265	Reiner-Drehwald & Schäfer-Verwimp 2008
997	Perold 1994c	1361	Engel & Schuster 2001	*2309	Heinrichs <i>et al.</i> 2009
998	Grolle 1989b	1425	Buchbender <i>et al.</i> 2004	*2326	Reiner-Drehwald 2009
999	Frey & Kürschner 1988	1426	Váňa & Watling 2004c	*2328	Ah-Peng & Bardat 2009
1000	Kuwahara 1985	*1453	Gottschke 1867	*2331	Schäfer-Verwimp & Reiner-Drehwald 2009
1001	Kuwahara 1982	*1455	Stephani 1912c	*2345	Hylander <i>et al.</i> 2010
1002	Pócs 1994d	1457	Perold 2005	*2349	Wigginton 2010
1003	Hasegawa 1979	1472	Váňa & Watling 2004a	*2355	Feldberg <i>et al.</i> 2010
1004	Bartholomew-Began 1991	1473	Váňa & Watling 2004b	*2357	Malombe 2009
1005	Schiffner 1896	*1481	Konstantinova <i>et al.</i> 1992		
1006	Vanden Berghen 1954	1492	Müller 1995		
1008	Engel 1976	1521	Kitagawa 1973		
1009	Dugas 1928	1532	Heinrichs <i>et al.</i> 2005a		
1010	Gottschke 1857	*1664	He 1995		
		*1681	Hässel et Menendez 1976		

- *2359 Infante 2010
 *2360 Ah-Peng *et al.* 2010
 *2363 Pócs 2011a
 *2364 Stephani 1896
 *2365 Pócs 2010a
 *2366 Pócs 2010b
 *2374 Müller *et al.* 2011
 *2375 Pócs & Bernecker 2009
 *2379 Phephu & Rooy 2011
 *2385 Pócs 2010d
 *2386 Malombe *et al.* 2010
 *2388 Pócs 2010c
 *2389 Pócs 2011b
 *2396 Fischer & Vanderpoorten 2010
 *2404 Rubasinghe *et al.* 2011
 *2408 Konstantinova & Vilnet 2009
 *2411 Bakalin & Vilnet 2009
 *2413 Vilnet *et al.* 2010.
 *2415 Konstantinova & Mamontov 2010
 *2426 Wigginton 2012b
 *2436 Ah-Peng & Bardat 2011
 *2452 Garcia *et al.* 2012
 *2457 Zhu *et al.* 2011
 *2458 Váňa, Söderström *et al.* 2010a
 *2459 Váňa, Söderström *et al.* 2010b
 *2471 Söderström, Gradstein & Hagborg 2010
 *2472 Váňa, Hentschel et Heinrichs 2010
 *2476 Ilkiu-Borges 2006
 *2489 Proskauer 1960
 *2490 Villarreal *et al.* 2010
 *2495 Gradstein 2012
 *2498 Marline *et al.* 2012
 *2499 Pócs 2011c
 *2534 Bastos 2012
 *2562 Váňa *et al.* 2013a
 *2544 Gradstein 2013a
 *2548 Váňa *et al.* 2013b
 *2549 Söderström *et al.* 2103
 *2551 Váňa *et al.* 2013c
 *2553 Dong *et al.* 2013
 *2567 Wigginton 2013a
 *2572 Fischer 2010
 *2573 Bizot *et al.* 1978
 *2588 Ye *et al.* 2013
 *2589 Vana *et al.* 2013d
 *2590 Váňa *et al.* 2013e
 *2599 Bakalin 2013
 *2616 Patino *et al.* 2013
 *2642 Váňa & Engel 2013
 *2644 Váňa *et al.* 2013f
 *2653 Söderström, Hagborg, von Konrat *et al.* 2016
 *2654 Gyarmati & Pócs 2014
 *2660 Heinrichs *et al.* 2013
 *2661 Tixier 1975
 *2662 Briscoe *et al.* 2015
 *2663 Reeb & Bardat 2014
 *2664 Villarreal *et al.* 2015
 *2667 Gradstein 2013b
 *2668 Costa 2008
- *2669 Phephu *et al.* 2013
 *2684 Sérgio & Garcia 2011
 *2688 Váňa *et al.* 2013g
 *2692 Cooper *et al.* 2013
 *2700 Horikawa 1943
 *2701 Pócs *et al.* 2015a
 *2702 Yu *et al.* 2014
 *2703 Pearson 1892
 *2704 He, Q. *et al.* 2014
 *2709 Gradstein 2013b
 *2713 Vanderpoorten *et al.* 2010
 *2715 Schill 2006
 *2717 Hattori & Lin 1985
 *2718 Söderström,, Crandall-Stotler *et al.* 2013
 *2722 Shi *et al.* 2015a
 *2730 Pócs 2015
 *2731 Sukkharak 2015
 *2732 Váňa *et al.* 2014
 *2733 Schuster 1955
 *2736 Hedderson *et al.* 2015
 *2750 Pócs, Müller & Shevock 2015
 *2753 Pócs & Piippo 2011
 *2770 Phephu & van Rooy
 *2781 Ye *et al.* 2015
 *2784 Gradstein & Ilkiu-Borges 2015
 *2785 Pócs & Váňa 2015
 *2788 Dong *et al.* 2102
 *2789 Pócs, Zhu *et al.* 2015
 *2794 Hentschel *et al.* 2015
 *2797 Coulter *et al.* 1890
 *2798 Sukkharak & Gradstein 2014
 *2799 Shaw *et al.* 2015
 *2804 Malombe 2007
 *2805 Tixier 1976
 *2811 Pearson 1922
 *2812 Herzog 1947
 *2813 Tixier 1979c
 *2814 Pearson 1891
 *2815 Pearson 1931
 *2816 Stephani 1911a
 *2817 Mitten 1878
 *2818 Stephani 1901b
 *2819 Stephani 1898
 *2823 Stephani 1902
 *2828 Stephani 1906
 *2829 Stephani 1907
 *2830 Stephani 1908
 *2832 Stephani 1910
 *2833 Stephani 1911b
 *2834 Stephani 1912a
 *2835 Stephani 1912b
 *2836 Stephani 1913
 *2837 Stephani 1914
 *2838 Stephani 1915
 *2839 Stephani 1916
 *2841 Stephani 1917
 *2843 Stephani 1922.
 *2844 Stephani 1923
 *2848 Müller 2015
 *2849 Shi & Zhu 2015
 *2853 Shi *et al.* 2015b
 *2854 Bescherelle 1895
 *2855 Paris 1902
- *2856 Gradstein 2015
 *2857 Laaka-Lindberg 2004
 *2858 Malombe 2010
 *2863 Szabó & Pócs 2015
 *2864 Fischer 2013
 *2878 Lindenberg 1839-1843
 *2883 Rubasinghe 2011
 *2885 Bechteler *et al.* 2015
 *2888 Duthie & Garside 1939
 *2890 Cargill 2001
 *2895 Wigginton 2012a
 *2905 Shu *et al.* 2015
 *2916 Hylander 2014
 *2922 Long *et al.* 2016
 *2931 Söderström, Barrie *et al.* 2015
 *2938 Fischer & Thiel 2015
 *2940 Phephu & van Rooy 2015
 *2942 Hariot 1913
 *2943 Mitten 1877
 *2944 Stephani 1895b
 *2946 Renauld & Cardot 1893
 *2965 Pócs *et al.* 2016
 *2967 Rooy 2014
 *2969 Lehmann 1829
 *2970 Lee *et al.* 2015
 *2983 Müller 2016
 *2993 Patzak *et al.* 2016
 *3012 Müller & Flügel 2016
 *3013 Hodgetts *et al.* 2016
 *3034 Gradstein, Morales *et al.* 2016
 *3036 Rabeau *et al.* 2017
 *3039 Bechteler *et al.* 2016
 *3040 Sass-Gyarmati 2017
 *3041 Diop *et al.* 2017
 *3047 Bednarek-Ochyra 2014
 *3048 Bednarek-Ochyra & Ochyra 2013a
 *3049 Bednarek-Ochyra & Ochyra 2013b
 *3050 Garcia & Sérgio 2012
 *3051 Sérgio & Garcia 2012
 *3052 Garcia, *et al.* 2012
 *3053 Sérgio & Melo 2015
 *3054 Söderström & Pócs 2011
 *3055 Infante & Medina 2011
 *3056 van Rooy & Phephu 2011
 *3057 Phephu 2012
 *3058 Phephu 2013
 *3059 Wigginton 2013b
 *3064 Villarreal *et al.* 2017
 *3065 Pressel *et al.* 2018.
 *3067 Müller & Shevock 2018
 *3068 Sukkharak & Gradstein 2017
 *3069 He & Sun 2017
 *3077 Pócs 2017
 *3079 Reeb *et al.* 2017
 *3080 Andriamiarisoa, *et al.* 2017a
 *3081 Andriamiarisoa, *et al.* 2017b
 *3083 Ezukanma *et al.* 2017
 *3086 Renner *et al.* 2013
 *3106 Russell & van Rooy 1988

Literature

- 1688 **Ahonen, I., Sass-Gyarmati, A. & Pócs, T.** 2005. Molecular, morphological and taxonomic evaluation of the *Ptychanthus striatus* (Lejeuneaceae, Marchantiophyta) complex. *Acta Botanica Hungarica* **47**: 225-246.
- 2328 **Ah-Peng, C. & Bardat, J.** 2009. Un nouveau genre d'hépatique reporté à La Réunion: *Leptolejeunea* (Spruce) Schiffn. (Lejeuneaceae). *Cryptogamie, Bryologie* **30**: 277-280.
- 2436 **Ah-Peng, C. & Bardat, J.** 2011. *Microlejeunea strasbergii* sp. nov. (Lejeuneaceae) from Réunion Island (Mascarenes). *The Bryologist* **114**: 668-673.
- 1712 **Ah-Peng, C., Bardat, J. & Ellis, L.** 2005. Additions to the bryoflora of Réunion Island (France). *Lindbergia* **30**: 43-44.
- 2360 **Ah-Peng, C., Bardat, J., Ellis, L.T., Hedderson, A.J., Malombe, I., Matcham, H., Pócs, T., Porley, R., Séneca, A., Söderström, L. & Wilbraham, J.** 2010. Additions to the bryoflora of Réunion Island 3: new and interesting records from the Tropical Bryology Group (British Bryological Society). *Journal of Bryology* **32**: 288-295.
- 2129 **Ah-Peng, C., Bardat, J., Strasberg, D. & Stieperaere, H.** 2008. Additions to the bryoflora of Réunion Island 2: Anthoceropsida, Marchantiopsida and Jungermanniopsida from the herbarium of the National Botanic Garden of Belgium. *Journal of Bryology* **30**: 185-191.
- 692 **Al-Gifri, A.N., Kürschner, H. & Mies, B.** 1995. New records, additions and a new species, *Sematophyllum socotrense* Buck (Sematophyllaceae, Musci) to the bryophyte flora of Socotra (Yemen). Studies in Arabian bryophytes 19. *Nova Hedwigia* **61**: 467-480.
- 3080 **Andriamariisoa, R.L., Callaghan, D.A. & Reeb, C.** 2017a. *Jensenia spinosa* (Lindenb. & Gottsche) Grolle, In: L.T.Ellis, et al., New national and regional bryophyte records, 53. *Journal of Bryology* **39**: 374.
- 3081 **Andriamariisoa, R.L., Callaghan, D.A. & Reeb, C.** 2017b. *Symphyogyna podophylla* (Thunb.) Mont et Nees, In: L.T.Ellis, et al., New national and regional bryophyte records, 53. *Journal of Bryology* **39**: 379.
- 17 **Anon.** 1994. List of PRE holdings for Lesotho (Computer diskette with files dated 25/03/1994).
- 803 **Arnell, S.W.** 1952. Hepaticae collected in South and West Africa, 1951. New and little-known species. *Botaniska Notiser* **105**: 307-329.
- 804 **Arnell, S.W.** 1953a. Notes on South African Hepaticae. *Revue Bryologique et Lichénologique* **22**: 3-5.
- 806 **Arnell, S.W.** 1953b. Hepaticae collected in South Africa 1951. New and little known species. III. *Botaniska Notiser* **106**: 271-289.
- 812 **Arnell, S.W.** 1955. Notes on South African Hepaticae II. *Botaniska Notiser* **108**: 309-313.
- 7 **Arnell, S.W.** 1956a. Hepaticae collected by O. Hedberg et al. on the East African mountains. *Arkiv för Botanik, ser. 2* **3**: 517-562.
- 813 **Arnell, S.W.** 1956b. Hepaticae collected by K. Byström in Fernando Po and Annobón, West Africa. *Svensk Botanisk Tidskrift* **50**: 527-534.
- 143 **Arnell, S.W.** 1957a. Notes on some African Hepaticae IV. *Botaniska Notiser* **110**: 17-27.
- 814 **Arnell, S.W.** 1957b. Notes on some South African Hepaticae V. *Botaniska Notiser* **110**: 399-405.
- 715 **Arnell, S.W.** 1957c. Hepaticae collected in South-West Africa by Prof. Dr. O.H. Volk. *Mitteilungen der Botanischen Staatssammlung München* **16**: 262-272.
- 815 **Arnell, S.W.** 1958a. New Hepaticae from Cameroon Mountain. *Svensk Botanisk Tidskrift* **52**: 63-67.
- 816 **Arnell, S.W.** 1958b. Genus *Jungermannia* in South Africa. *Botaniska Notiser* **111**: 619-622.
- 669 **Arnell, S.W.** 1960. Hepaticae collected by Dr John Eriksson in Abyssinia in 1958. *Svensk Botanisk Tidskrift* **54**: 187-192.
- 819 **Arnell, S.W.** 1961a. Hepaticae collected in the Cape Verde Islands by Mr Knut Byström. *Botaniska Notiser* **114**: 176-180.
- 820 **Arnell, S.W.** 1961b. Notes on South African Hepaticae VI. *Botaniska Notiser* **114**: 400-402.
- 821 **Arnell, S.W.** 1962a. Notes on South African Hepaticae VII. *Botaniska Notiser* **115**: 203-207.
- 822 **Arnell, S.W.** 1962b. Hepaticae collected by Dr G. Degelius in Angola and Congo in 1960. *Svensk Botanisk Tidskrift* **56**: 55-60.
- 170 **Arnell, S.W.** 1963. *Hepaticae of South Africa*. Stockholm.
- 823 **Arnell, S.W.** 1965. Hepaticae collected by Mr Gillis Een in Mauritius and Réunion in 1962. *Svensk Botanisk Tidskrift* **59**: 65-84.
- 112 **Arts, T. & Yamada, K.** 1998. Four *Radula* (Radulaceae, Hepaticae) new to Réunion. *Botanical Research (Korea)* **7**: 178-180.
- 825 **Augier, J.** 1974. Bryophytes corticales à l'étage submontagnart dans l'ouest camerounais. *Annales de la Faculté des Sciences du Cameroun* **17**: 67-93.
- 16 **Augier, J.** 1985. Clés de détermination pour les Hépatiques et Anthocérotes au Cameroun forestier. I. [1]-123. Texte, Tables, Glossaire. II. [124]-155. Planches, Légendes. Paris, the author, [Contribution à la Flore du Cameroun (Cryptogamie) - essai destiné aux étudiants et aux chercheurs en RUC et régions voisines W- et centre-africaines].
- 2599 **Bakalin, V.A.** 2013. New taxa of *Solenostoma* and *Plectocolea* asnd other taxonomic novelties based on a study of collections in the New York Botanical Garden Herbarium. *Polish Botanical Journal* **58**: 127-142.
- 2411 **Bakalin, V.A. & Vilnet, A.A.** 2009. Two new species of Jungermanniaceae from arctic Russia. *Arctoa* **18**: 151-162.
- 995 **Bapna, K.R.** 1965. A review of Indian Anthocerotales. *University of Udaipur Research Studies* **3**: 127-145.
- 1004 **Bartholomew-Began, S.E.** 1991. A morphogenetic re-evaluation of *Haplomitrium* Nees (Hepatophyta). *Bryophytorum Bibliotheca* **41**: 1-297.
- 2534 **Bastos, C.J.P.** 2012. New combinations and synonyms in *Cheilolejeunea* (Spruce) Schiffn. (Lejeuneaceae, Marchantiophyta). *Journal of Bryology* **34**: 312-318.

- 2885 **Bechteler, J., Lee, G.E., Schäfer-Verwimp, A., Pócs, T., Peralta, D.F., Renner, M.A.M., Schneider, H. & Heinrichs, J.** 2015. Towards a monophyletic classification of Lejeuneaceae IV: reinstatement of *Allorgella*, transfer of *Microlejeunea aphanella* to *Vitianthus* and refinements of the subtribal classification. *Plant Systematics and Evolution* **302**: 187-201.
- 3039 **Bechteler, J., Schäfer-Verwimp, A., Lee, G.E., Feldberg, K., Pérez-Escobar, O.A., Pócs, T., Peralta, D.F., Renner, M.A.M. & Heinrichs, J.** 2016. Geographical structure, narrow species ranges, and Cenozoic diversification in a pantropical clade of epiphyllous leafy liverwort. *Ecology and Evolution* (2016): 1-16.
- 3047 **Bednarek-Ochyra, H.** 2014. *Metzgeria albinea*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 36. *Journal of Bryology* **36**: 230.
- 3048 **Bednarek-Ochyra, H. & Ochyra, R.** 2013a. *Metzgeria scyphigera*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 35. *Journal of Bryology* **35**: 134.
- 3049 **Bednarek-Ochyra, H. & Ochyra, R.** 2013b. *Metzgeria pulvinata*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 36. *Journal of Bryology* **35**: 233.
- 28 **Benedix, E.H.** 1953. Indomalayische Cololejeuneen. *Feddes Repertorium, Beihefte* **134**: 1-88. Plates 1-31.
- 1014 **Berrie, G.K.** 1975. The biology of a west African species of *Riccia* L. *Journal of Bryology* **8**: 443-454.
- 2854 **Bescherelle, E.** 1895. Class I. Hépatiques. In: E.J. De Cordemoy, *Flore de l'Ile de la Réunion* pp. 2-16. Paris.
- 1103 **Bharadwaj, D.C.** 1972. On some Asian and African species of *Folioceros* Bharadwaj. *Geophytology* **5**: 74-89.
- 996 **Bharadwaj, D.C.** 1975. Validation of some new combinations under *Folioceros* Bharadwaj. *Geophytology* **5**: 227-228.
- 253 **Bischler, H.** 1970. Les espèces du genre *Calypogeia* sur le continent africain et les îles africaines. *Revue Bryologique et Lichénologique* **37**: 63-134.
- 254 **Bischler, H.** 1978. *Plagiochasma* Lehm. & Lindenb. II. Les taxa européens et africaines. *Revue Bryologique et Lichénologique* **44**: 223-300.
- 132 **Bischler-Causse, H.** 1993. *Marchantia* L. The European and African taxa. *Bryophytorum Bibliotheca* **45**: 1-129.
- 1884 **Bischler-Causse, H., Gradstein, S.R., Jovet-Ast, S., Long, D.G. & Salazar Allen, N.** 2005. Marchantiidae. *Flora Neotropica* **97**: 1-262.
- 136 **Bizot, M. & Pócs, T.** 1974. East African Bryophytes I. A checklist of bryophytes of East Africa. *Acta Academiae Paedagogicae Agriensis-Nova* **12**: 383-449.
- 2573 **Bizot, M., Friis, I., Lewinsky, J., & Pócs, T.** 1978. East African Bryophytes IV. Danish Collections. *Lindbergia* **4**: 259-284.
- 950 **Bizot, M. & Pócs, T.** 1979. East African Bryophytes III. *Acta Botanica Academiae Scientiarum Hungaricae* **25**: 223-261.
- 507 **Bizot, M. & Pócs, T.** 1982. East African Bryophytes V. *Acta Botanica Academiae Scientiarum Hungaricae* **28**: 15-64.
- 625 **Boisselier-Dubayle, M.C. & Bischler, H.** 1999. Genetic relationships between haploid and triploid *Targionia* (Targioniaceae, Hepaticae). *International Journal of Plant Science* **160** (6): 1163-1169.
- 682 **Bonner, C.E.B.** 1953. De Hepaticis III. *Candollea* **14**: 163-252.
- 979 **Bonner, C.E.B.** 1962-3. *Index Hepaticarum*. II. *Achiton* to *Cystolejeunea*. Weinheim: J.Cramer.
- 982 **Bonner, C.E.B.** 1964. *Index Hepaticarum*. V. *Devayella* to *Geothallus*. Weinheim: J.Cramer.
- 984 **Bonner, C.B.E.** 1976. *Index Hepaticarum*. VIII. *Jungermannia*. Weinheim: J.Cramer.
- 986 **Bonner, C.E.B.** 1978. *Index Hepaticarum*. IX. *Jungermanniopsis* to *Lejeunites*. Vaduz: J. Cramer.
- 19 **Bornefeld, T., Volk, O.H. & Wolf, R.** 1996. *Exormotheca bulbigena* sp. nov. (Hepaticae, Marchantiales) and its relation to *E. holsti* in southern Africa. *Bothalia* **26**: 159-164.
- 2127 **Bray, J.R.** 2001. *A revision of the genus Fossombronia Raddi in North America, north of Mexico and Europe*. PhD Thesis, Southern Illinois University, Carbondale.
- 2662 **Briscoe, L., Engel, J.J., Söderström, L., Hagborg, A. & von Konrat, M.J.** 2015. Notes on Early Land Plants Today. 66. Nomenclatural notes on Acrobolbaceae. *Phytotaxa* **202**: 58-62.
- 2014 **Brummitt, R.K.** 2001. *World Geographical Scheme for Recording Plant Distributions, edition 2*. International Working Group on Taxonomic Databases for Plant Sciences (TDWG). Pittsburgh: Hunt Institute.
- 166 **Brummitt, R.K. & Powell, C.E.** 1992. *Authors of Plant Names*. Kew: Royal Botanic Gardens. [name search: http://www.ipni.org/searches/query_author.shtml].
- 1425 **Buchbender, V. & Fischer, E.** 2004. *Drepanolejeunea vandenberghenii* (Jungermanniopsida: Lejeuneaceae), a previously overlooked new species from Rwanda including comments on *D. physaefolia* and *Harpalejeunea fischeri*. *Journal of Bryology* **26**: 273-283.
- 2168 **Burghardt, M. & Gradstein, S.R.** 2008. A Revision of *Tylimanthus* (Acrobolbaceae, Marchantiophyta) in Tropical America, Africa, and Macaronesia. *Fieldiana, Botany* **47**: 199-210
- 731 **Bytebier, B. & Chuah-Petiot, M.** 2002. A preliminary checklist of the bryoflora of the Taita Hills, Kenya. *Tropical Bryology* **22**: 55-66.
- 20 **Cardoso, J.** 1915. Cryptogamicas dos Ilhas de Cabo-Verde. *Brotéria, Ser. Bot.* **13**: 108-114 (Muscineae).
- 2890 **Cargill, D.C.** 2001. A taxonomic revision of *Fossombronia* and *Sewardiella*, suborder Fossombroniinae (Marchantiophyta, Metzgeriidae), within the continent of Africa, southwest Asia and the sub-continent of India. PhD thesis, Southern Illinois University, Carbondale.
- 660 **Castle, H.** 1937. A revision of the genus *Radula*. Introduction and Part I. Subgenus *Cladoradula*. *Annales Bryologici* **9**: 13-56.
- 145 **Castle, H.** 1939. A revision of the genus *Radula*. Part II. Subgenus *Acroradula*. Section 1. *Epiphyllae*. *Annales Bryologici* **12**: 21-47.
- 433 **Castle, H.** 1964. A revision of the genus *Radula*. Part II. Subgenus *Acroradula*. Section 8. *Acutilobulae*. *Revue Bryologique et Lichénologique* **33**: 185-210.
- 435 **Castle, H.** 1965. A revision of the genus *Radula*. Part II. Subgenus *Acroradula*. Section 9. *Densifoliae*. *Revue Bryologique et Lichénologique* **33**: 328-398.

- 965 **Castle, H.** 1966. A revision of the genus *Radula*. Part II. Subgenus *Acroradula*. Section 10. *Ampliatae*. *Revue Bryologique et Lichénologique* **34**: 1-81.
- 967 **Castle, H.** 1968. A revision of the genus *Radula*. Part II. Subgenus *Acroradula*. Section 11. *Complanatae*. *Revue Bryologique et Lichénologique* **35**: 1-94.
- 966 **Castle, H.** 1969. *Radula* (L.) Dumortier - A Synopsis of the Taxonomic Revision of the Genus. *Revue Bryologique et Lichénologique* **36**: 5-44.
- 21 **Chuah-Petiot, M.S.** 1996. Bryophytes from Saiwa Swamp National Park, Kenya. *Tropical Bryology* **12**: 63-73.
- 71 **Chuah-Petiot, M.S.** 1997. Contributions toward a Bryoflora of the Aberdare Range, Kenya. *Tropical Bryology* **13**: 57-63.
- 665 **Chuah-Petiot, M.S.** 2001. Contribution to the bryoflora of Kenya. *Tropical Bryology* **20**: 31-37.
- 759 **Chuah-Petiot, M.S. & Pócs, T.** 2003. East African Bryophytes XIX. A contribution to the bryoflora of Kenya. *Acta Botanica Hungarica* **45**: 53-64.
- 2692 **Cooper, E.D., Söderström, L., Hagborg, A. & von Konrat, M.J.** 2013. Notes on Early Land Plants Today. 38. New combinations and synonyms in Lepidoziaceae (Marchantiophyta). *Phytotaxa* **97**: 52-62..
- 2668 **Costa, D.P.** 2008. Metzgeriaceae (Hepaticae). *Flora Neotropical Monograph* **202**: 1-169.
- 2797 **Coulter, J.M., Barnes, C.R. & Arthur, J.C.** 1890. General index. *Botanical Gazette* **15**: 347-352.
- 2156 **Crandall-Stotler, B.J., Stotler, R.E. & Long, D.G.** 2008. Morphology and classification of the Marchantiophyta, pp. 1-54. In B. Goffinet & A. J. Shaw (eds.) *Bryophyte Biology*, 2nd edition. Cambridge: Cambridge University Press.
- 502 **Cufodontis, G.** 1952. Enumeratio plantarum Aethiopiae, II (Bryophyta: Hepaticae). *Phyton (Horn)* **4**: 72-82.
- 2130 **Cykowska, B., Piątek, J. Piątek, M.** 2008. New national and regional bryophyte records, 19. *Journal of Bryology* **30**: 234.
- 790 **Dauphin, G.** 2000. The genus *Ceratolejeunea* Jack & Steph. (Hepaticae: Lejeuneaceae) in Tropical America. PhD dissertation, University of Göttingen.
- 274 **Demaret, F.** 1942. Prodrome des Bryophytes du Congo-Belge et du Ruanda-Burundi. II. Hepaticae. *Bulletin du Jardin Botanique de l'État à Bruxelles* **16**: 287-310.
- 951 **Demaret, M. & Vanden Berghen, C.** 1947. Révision de quelques espèces africaines du genre *Frullania*. *Bulletin du Jardin Botanique de l'État à Bruxelles* **18**: 231-240
- 2094 **De Roo, R.T., Hedderson, T.A. & Söderström, L.** 2007. Molecular insights into the phylogeny of the leafy liverwort family Lophoziaceae Cavers. *Taxon* **56**: 301-314.
- 2021 **De Sloover, J.L.** 2005. Bryophytes de la Digne, Seychelles. *Cryptogamie, Bryologie* **16**: 213-217.
- 22 **Dilg, C. & Frahm, J.-P.** 2000. Ein Beitrag zur Moosflora von Benin. *Tropical Bryology* **19**: 1-5.
- 3041 **Diop Djibril, Diop Doudou, Bruggeman-Nannenga, M.A., Mbaye, M.S., Noba, K., Hedenäs, L., Gradstein, S.R., Reeb, C. & Vanderpoorten, A.** 2018. Bryophytes of Kédougou (Eastern Senegal), with a key to the Fissidens of Senegal. *Journal of Bryology* **40**: 62-67.
- 2788 **Dong, S., Schäfer-Verwimp, A., Meinecke, P., Feldberg, K., Bombosch, A., Pócs, T., Schmidt, A.R., Reitner, J., Schneider, H. & Heinrichs, J.** 2012. Tramps, narrow endemics and morphologically cryptic species in the epiphyllous liverwort *Diplasiolejeunea*. *Molecular Phylogenetics and Evolution* **65**: 582-594.
- 2553 **Dong, S., Schäfer-Verwimp, A., Pócs, T., Feldberg, K., Czumaj, A., Schmidt, A.R., Schneider, H. & Heinrichs, J.** 2013. Size does not matter - recircumscription of *Microlejeunea* (Lejeuneaceae, Porellales) based on molecular and morphological evidence. *Phytotaxa* **85**: 41-55.
- 1009 **Dugas, M.** 1928. Contribution à l'étude du genre *Plagiochila* Dum. p. 1-200. Paris (thesis).
- 2047 **Duff, R.J., Villarreal, J.C., Cargill, D.C. & Renzaglia K.S.** 2007. Progress and challenges toward developing a phylogeny and classification of the hornworts. *Bryologist* **110**: 214-243.
- 2888 **Duthie, A.V. & Garside, S.** 1939. Studies in South African Ricciaceae II. *Transactions of the Royal Society of South Africa* **27**: 17-28.
- 9 **During, H.J. & Moyo, C.** 1999. The diaspore bank of bryophytes in a Zimbabwean savanna. *Haussknechtia Beiheft* **9**: 111-114.
- 43 **Een, G.** 2000. Bryophytes collected in Mauritius by Gunnar Erdtman. *Tropical Bryology* **18**: 87-89.
- 13 **Een, G. & Kristoferson, L.** 1999. A small collection of bryophytes from the Seychelles. *Tropical Bryology*, **17**: 35-38.
- 1184 **Eggers, J., Infante, M. & Heras, P.** 2004. New bryophyte records for tropical countries 5. *Tropical Bryology* **25**: 19-23.
- 667 **Eggers, J., Stevenson, C.R., Porley, R.D. & Stech, M.** 2001. New bryophyte records for tropical countries. *Tropical Bryology* **20**: 97-100.
- 1008 **Engel, J.J.** 1976. *Metzgeria hamata* Lindb., an illegitimate name of Hepaticae. *Lindbergia* **3**: 219-220.
- 172 **Engel, J.J.** 1978. A taxonomic and phytogeographic study of Brunswick Peninsula (Straits of Magellan). Hepaticae and Anthocerotae. *Fieldiana* **41**: 1-319.
- 97 **Engel, J.J.** 1980. A monograph of *Clasmatocolea*. *Fieldiana, new series* **3**: 1-229.
- 445 **Engel, J.J.** 1990. Falkland Islands (Islas Malvinas) Hepaticae and Anthocerotophyta: a taxonomic and phytogeographic study. *Fieldiana (Botany)*, n.s. **25**: i-viii, 1-209.
- 420 **Engel, J.J. & Braggins, J.E.** 1998. Austral Hepaticae 27. The genus *Anastrophyllum* (Spruce) Steph. (Jungermanniales) in Australasia, with a synopsis of austral taxa. *Journal of Bryology* **20**: 371-388.
- 2132 **Engel, J.J. & Glenny, D.** 2008. *A Flora of the Liverworts and Hornworts of New Zealand, Volume 1*. Missouri Botanical Garden Press, St Louis.
- 446 **Engel, J. J. & Grolle, R.** 1971. *Marsupidium* in South America. *Journal of the Hattori Botanical Laboratory* **34**: 437-444.
- 1689 **Engel, J.J. & Smith Merrill, G.L.** 2004. Austral Hepaticae 35: a taxonomic and phylogenetic study of *Telaranea* (Lepidoziaceae) with a monograph of the genus in temperate Australasia and commentary on extra-Australasian taxa. *Fieldiana* n.s. **44**: 1-265.

- 447 Engel, J.J. & Schuster, R.M. 1984. An overview and evaluation of the genera of Geocalycaceae subfamily Lophocoloideae (Hepaticae). *Nova Hedwigia* **39**: 385-463. "1985".
- 1361 Engel, J.J. & Schuster, R.M. 2001. Austral Hepaticae 32. A revision of the genus *Lepidozia* (Hepaticae) for New Zealand. *Fieldiana n.s.* **42**: 1-107.
- 556 Engel, J.J. & Smith Merrill, G.L. 2001. Austral Hepaticae 33. *Paracromastigum succulentum*, comb. nov. (Lepidiziacae, Jungermanniales). *Bryologist* **104**: 151-153.
- 1047 Evans, A.W. 1915. The genus *Plagiochasma* and its North American species. *Bulletin of the Torrey Botanical Club* **42**: 259-308.
- 311 Evans, A.W. 1934. A revision of the genus *Acromastigum*. *Annales Bryologici*, supp. III, **3**: 1-178.
- 3083 Ezukanma, I.O., Ogundipe, O.T., Nodza, G.I. & Pócs, T. 2017. Bryophyte records from the eastern Nigerian highlands. *Polish Botanical Journal* **62**(2): 203-212.
- 2355 Feldberg, K., Vana, J., Hentschel, J. & Heinrichs, J. 2010. Currently accepted species and new combinations in Jamersonielloideae (Adelanthaceae, Jungermanniales). *Cryptogamie, Bryologie* **31**: 141-146.
- 142 Fischer, E. 1993. Taxonomic results of the BRYOTROP Expedition to Zaire and Rwanda. 10. Trichocoleaceae, Geocalycaceae, Acrobolbaceae, Balantiopsidaceae, Lepidoziaceae (*Telaranea*, *Arachniopsis*), Calypogeiaeaceae, Adelanthaceae, Porellaceae, Jubulaceae, Marchantiaceae (*Dumortiera*), Polytrichaceae. *Tropical Bryology* **8**: 83-98.
- 52 Fischer, E. 1999. A new species of *Colura* (Lejeuneaceae) from the Aberdare Mountains, Kenya. *Tropical Bryology* **16**: 205-208.
- 2572 Fischer, E. 2010. The genera *Anthoceros*, *Phaeoceros* and *Notothylas* (Anthocerotopsidae) in Rwanda. *Nova Hedwigia, Beiheft* **131**: 81-89.
- 2864 Fischer, E. 2013. Liverworts and Hornworts of Rwanda. *Abc Taxa* **14**: 1-552. Brussels.
- 2938 Fischer, E. & Thiel, C. 2015. New and noteworthy records of liverworts (Marchantiopsida) and hornworts (Anthocerotopsida) for Rwanda. *Nova Hedwigia* **100**: 525-534.
- 2396 Fischer, E. & Vanderpoorten, A. 2010. New records for the liverwort flora of Gabon, with a description of *Ceratojeunea kuerschneri*, sp. nov. (Lejeuneaceae, Jungermanniopsida). *Nova Hedwigia, Beiheft* **138**: 85-97.
- 37 Frahm, J.-P., Lindlar, A., Sollman, P. & Fischer, E. 1996. Bryophytes from the Cape Verde Islands. *Tropical Bryology* **12**: 123-153.
- 11 Frahm, J.-P. & Porembski, S. 1998. Moose von Inselbergen in Benin. *Tropical Bryology* **14**: 3-9.
- 60 Frahm, J.-P., Porembski, S., Seine, R. & Barthlott, W. 1996. Moose von Inselbergen aus Elfenbeinküste und Zimbabwe. *Nova Hedwigia* **62**: 177-189.
- 999 Frey, W. & Kürschner, H. 1988. Bryophytes of the Arabian Peninsula and Socotra. *Nova Hedwigia* **46**: 37-120.
- 3050 Garcia, C. & Sérgio, C. 2012. *Riccia congoana*, *R. stricta*. In: L.T. Ellis et. al., New national and regional bryophyte records. 30. *Journal of Bryology* **34**: 48.
- 3052 Garcia, C., Sérgio, C. & Sim-Sim, M. 2012. *Folioceros incurvus*, *Phaeoceros carolinianus*. In: L.T. Ellis et. al., New national and regional bryophyte records. 30. *Journal of Bryology* **34**: 46.
- 2452 Garcia, C., Sérgio, C., Villarreal, J.C., Sim-Sim, M. & Lara, F. 2012. The hornworts *Dendroceros* Nees and *Megaceros* Campb. in São Tomé e Príncipe (Africa, Gulf of Guinea) with the description of *Dendroceros paivae* sp. nov. *Cryptogamie, Bryologie* **33**: 3-21.
- 557 Garcia-Zamora, P., Ros, R.M. & Guerra, J. 1989. Taxonomía numérica en *Targionia* L. (Hepaticae). *Anales del Jardín Botánico de Madrid* **46**: 393-404.
- 126 Geissler, P. 1997. On epiphyllous populations of *Marchesinia* (Lejeuneaceae, Hepaticae). *Abstracta Botanica* **21**: 65-67.
- 987 Geissler, P. & Bischler, H. 1985. *Index Hepaticarum*. 10. *Lembidium* to *Mytilopsis*. Vaduz: J. Cramer.
- 988 Geissler, P. & Bischler, H. 1989. *Index Hepaticarum*. 11. *Naiadea* to *Pycnoscensus*. Vaduz: J. Cramer.
- 989 Geissler, P. & Bischler, H. 1990. *Index Hepaticarum*. 12. *Racemigemma* to *Zoopsis*. Vaduz: J. Cramer.
- 831 Geissler, P. & Gradstein, S.R. 1994. On the identity of *Phragmicomia lehmanniana* Nees and other species described in the genus *Phragmicomia* (Studies in Lejeuneaceae subfam. Ptychanthoideae 23). *Journal of the Hattori Botanical Laboratory* **75**: 201-209.
- 503 Gerola, F.M. 1947. Epatiche dell'Abissinia meridionale (Raccolte dalla Missione Ittiologica in A.O.I.). *Lavori di Botanica, Istituto di Botanica e di Fisiologia Vegetale dell'Università de Padova* **12**: 471-485.
- 1149 Gola, G. 1907. Species novae in excelsis Ruwenzori in expeditione Ducis Aprutii Lectae. III. Hepaticae. *Annali di Botanica, Roma* **6**: 271-276.
- 120 Gola, G. 1914a. Le epatiche della regione del Kenia. *Memorie della Reale Accademia delle Scienze di Torino ser. 2*. **65**: 1-11.
- 121 Gola, G. 1914b. Epatiche dell'Abissinia. *Annali di Botanica, Roma* **13**: 59-75.
- 725 González-Mancebo, J.M. & Ros, R.M. 2002. Some interesting bryophytes from the Adrar massif (Mauritania). *Cryptogamie, Bryologie* **23**: 263-270.
- 1010 Gottsche, C.M. 1857. Pugillus norvarum Hepaticarum. *Annales des Sciences Naturelles, Botanique, sér 4*. **8**: 318-348.
- 1453 Gottsche, C. M. 1867. Jungermanniaceae. In: G. Schweinfurth, Beitrag zur Flora Aethiopiens (1): 226-228. Berlin.
- 1011 Gottsche, C.M. 1882. Reliquiae Rutenbergiana Lebermoose. *Abhandlungen vom Naturwissenschaftlichen Vereine zu Bremen* **7**: 338-365.
- 917 Gottsche, C.M., Lindenberg, J.B.G. & Nees, C.G. 1844-1847. *Synopsis Hepaticarum*. pp. 1-834. Hamburg.
- 832 Gradstein, S.R. 1974. Studies on Lejeuneaceae subfam. Ptychanthoideae I. Nomenclature and Taxonomy of *Ptychocoleus*, *Acrolejeunea* and *Schiffnerolejeunea*. *Journal of the Hattori Botanical Laboratory* **38**: 327-336.
- 35 Gradstein, S.R. 1975. A taxonomic monograph of the genus *Acrolejeunea* (Hepaticae) with an arrangement of the genera of Ptychanthoideae. *Bryophytorum Bibliotheca* **4**: 1-162.
- 307 Gradstein, S.R. 1992. The genera *Thysananthus*, *Dendrolejeunea* and *Fulfordianthus* hen. nov. (Studies on Lejeuneaceae subfamily Ptychanthoideae XXI). *The Bryologist* **95**: 42-51.

- 122 **Gradstein, S.R.** 1994. *Flora Neotropica. Monograph no. 62. Lejeuneaceae: Ptychantheae, Brachiolejeuneae*. New York: The New York Botanical Garden.
- 2495 **Gradstein, S.R.** 2012. On the identity of *Jungermannia obscura* Swartz. *Cryptogamie, Bryologie* **33**: 257-262.
- 2544 **Gradstein, S.R.** 2013a. Notes on early land plants today. 26. Miscellaneous synonyms in liverworts (Marchantiophyta). *Phytotaxa* **81**: 3-7.
- 2709 **Gradstein, S.R.** 2013b. A classification of Lejeuneaceae (Marchantiophyta) based on molecular and morphological evidence. *Phytotaxa* **100**: 6-20.
- 2667 **Gradstein, S.R.** 2013c. Afro-American hepatic revisited. *Polish Botanical Journal* **58**: 149-177.
- 2856 **Gradstein, S.R.** 2015. An overview of the genus *Schiffnerolejeunea* (Marchantiophyta: Lejeuneaceae). *Nova Hedwigia* **100**: 507-524.
- 852 **Gradstein, S.R., Churchill, S.P. & Salazar-Allen, N.** 2001. Guide to the Bryophytes of Tropical America. *Memoirs of the New York Botanical Garden* **86**: i-viii. 1-577.
- 1031 **Gradstein, S.R. & van Beek, J.** 1985. A revision of the genus *Symbiezidium*. *Beiheft zur Nova Hedwigia* **80**: 221-248.
- 778 **Gradstein, S.R. & Costa, D.P.** 2003. The Hepaticae and Anthocerotae of Brazil. *Memoirs of the New York Botanical Garden* **87**. viii. 1-318.
- 55 **Gradstein, S.R. & Geissler, P.** 1997. Notes on the genus *Leucolejeunea* (Hepaticae). *Cryptogamie, Bryologie Lichenologie* **18**: 177-182.
- 846 **Gradstein, S.R. & Hekking, W.H.A.** 1979. Studies on Colombian Cryptogams IV. A catalogue of the hepaticae of Colombia. *Journal of the Hattori Botanical Laboratory* **45**: 93-144.
- 2784 **Gradstein, S.R. & Ilkiu-Borges, A.** 2015. A taxonomic revision of the genus *Odontoschisma* (Marchantiophyta: Cephaloziaceae). *Nova Hedwigia* **100**: 15-100.
- 835 **Gradstein S.R. & Inoue, H.** 1980. Studies on Lejeuneaceae subfam. Ptychanthoideae. V. A review of species from Ceylon. *Bulletin of the National Science Museum, Tokyo, series B (Botany)*. **6**: 23-32.
- 3034 **Gradstein, S.R., Morales, C., Negritto, M.A. & Duckett, J.G.** 2016. New Records of Liverworts and Hornworts from the Sierra Nevada de Santa Marta, Colombia. *Cryptogamie, Bryologie* **37**: 463-475.
- 974 **Gradstein, S.R., Pócs, T. & Váňa, J.** 1983. Disjunct hepaticae in tropical America and Africa. *Acta Botanica Hungarica* **29**: 127-171.
- 1038 **Gradstein, S.R. & Terken, L.** 1981. Studies on Lejeuneaceae subfam. Ptychanthoideae VI. A revision of *Schiffnerolejeunea* subgen. *Saccatae*. *Occasional papers of the Farlow Herbarium* **16**: 71-81.
- 772 **Gradstein, S.R. & Váňa, J.** 1987. On the occurrence of Laurasian Liverworts in the Tropics. *Memoirs of the New York Botanical Garden* **45**: 388-425.
- 74 **Gradstein, S.R. & Váňa, J.** 1999. On the taxonomy of *Kymatocalyx* and *Stenorhipis* (Cephaloziellaceae). *Haussknechtia Beiheft* **9**: 155-170.
- 833 **Gradstein, S.R. & Vanden Berghe, C.** 1985. *Schiffnerolejeunea* sect. *Pappeanae* en Afrique. *Beihefte zur Nova Hedwigia* **80**: 173-193.
- 1976 **Gradstein, S.R., Wilson, R., Ilkiu-Borges, A.L. & Heinrichs, J.** 2006. Phylogenetic relationships and neotenic evolution of *Metzgeriopsis* (Lejeuneaceae) based on chloroplast DNA sequences and morphology. *Botanical Journal of the Linnean Society* **151**: 293-308.
- 313 **Grolle, R.** 1959. Beitrag zur Kenntnis der afrikanischen Lophocoleen. *Transactions of the British Bryological Society* **3**: 582-598.
- 314 **Grolle, R.** 1960a. Nachtrag zur "Revision der Clasmatocolea-Arten". *Revue Bryologique et Lichénologique* **29**: 68-91.
- 888 **Grolle, R.** 1960b. Notulae hepaticologicae I - II- III. *Revue Bryologique et Lichénologique* **29**: 207-211.
- 471 **Grolle, R.** 1963a. Monographie der Lebermoosgattung *Leptoscyphus* Mitten. *Nova Acta Leopoldina, Neue Folge*, **25**: 1-143.
- 315 **Grolle, R.** 1963b. Zwei Gattungen der Lophoziaeae neu für Afrika. *Transactions of the British Bryological Society* **4**: 437-445.
- 451 **Grolle, R.** 1964a. Miscellanea hepaticologica 11-20. *Journal of Japanese Botany* **39**: 173-178.
- 317 **Grolle, R.** 1964b. Eine *Nardia* aus Afrika. *Botanical Magazine (Tokyo)* **77**: 297-299.
- 937 **Grolle, R.** 1964c. *Neesioscyphus* eine neue Lebermoosgattung mit gedrehten Sporogenklappen. *Österreichische Botanische Zeitschrift* **111**: 19-34.
- 898 **Grolle, R.** 1964d. Miscellanea hepaticologica 1-10. *Österreichische Botanische Zeitschrift* **111**: 185-192.
- 472 **Grolle, R.** 1965a. Miscellanea hepaticologica 31-40. *Journal of the Hattori Botanical Laboratory* **28**: 101-106.
- 538 **Grolle, R.** 1965b. Über *Gymnanthe concinna* und *Lethocolea*. *Botanical Magazine, Tokyo* **78**: 78-84.
- 900 **Grolle, R.** 1966. Über *Diplasiolejeunea* in Asien. *Feddes Repertorium* **73**(2): 78-89.
- 901 **Grolle, R.** 1968a. *Gottschelia*, eine neue Jungermanniales-Gattung der Paläotropis. *Journal of the Hattori Botanical Laboratory* **31**: 13-19.
- 920 **Grolle, R.** 1968b. Miscellanea hepaticologica 81-90. *Transactions of the British Bryological Society* **5**: 541-547.
- 921 **Grolle, R.** 1969. Miscellanea hepaticologica 91-100. *Transactions of the British Bryological Society* **5**: 766-774.
- 953 **Grolle, R.** 1970. Zur Kenntnis der Frullanien der Europa und Makaronensien. *Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena, Mathematische-Naturwissenschaftliche Reihe* **19**: 307-319.
- 318 **Grolle, R.** 1971. *Jamesoniella* und Verwandte. *Feddes Repertorium* **82**: 1-99.
- 465 **Grolle, R.** 1972. Zur Kenntnis von *Adelanthus* Mitten. *Journal of the Hattori Botanical Laboratory* **35**: 325-370.
- 940 **Grolle, R.** 1973. Miscellanea hepaticologica 121-130. *Journal of the Hattori Botanical Laboratory* **36**: 547-551.
- 848 **Grolle, R.** 1975a. Miscellanea hepaticologica 141-150. *Journal of Bryology* **8**: 483-492.
- 971 **Grolle, R.** 1975b. Miscellanea hepaticologica 151-160. *Lindbergia* **3**: 47-56.
- 924 **Grolle, R.** 1976a. *Drepanolejeunea* subgen. *Kolpolejeunea* - eine neue Untergattung aus der Paläotropis. *Journal of the Hattori Botanical Laboratory* **40**: 191-216.
- 992 **Grolle, R.** 1976b. Verzeichnis der Lebermoose Europas und benachbarter Gebiete. *Feddes Repertorium* **87**: 171-279.
- 828 **Grolle, R.** 1977. Miscellanea hepaticologica 161-170. *Journal of Bryology* **9**: 529-538.

- 847 **Grolle, R.** 1978. Die Lebermoose der Seychellen. *Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena, Mathematische-Naturwissenschaftliche Reihe* **27**: 7-17.
- 956 **Grolle, R.** 1979a. *Miscellanea hepaticologica* 171-180. *Journal of Bryology* **10**: 263-272.
- 580 **Grolle, R.** 1979b. *Miscellanea hepaticologica* 181-190. *Journal of the Hattori Botanical Laboratory* **45**: 173-183.
- 345 **Grolle, R.** 1979c. Lebermoose aus Neuguinea. *Harpalejeunea*. *Journal of the Hattori Botanical Laboratory* **46**: 43-47.
- 574 **Grolle, R.** 1979d. *Miscellanea hepaticologica* 191-200. *Journal of the Hattori Botanical Laboratory* **46**: 337-355.
- 745 **Grolle, R.** 1980. Zur Kenntnis der Lebermoose von Samoa. I. *Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena, Mathematische-Naturwissenschaftliche Reihe*, **29**: 637-648.
- 970 **Grolle, R.** 1981a. *Miscellanea hepaticologica* 201-210. *Journal of Bryology* **11**: 325-334. "1980".
- 123 **Grolle, R.** 1981b. *Miscellanea Hepaticologica* 211-220. *Journal of the Hattori Botanical Laboratory* **49**: 85-92.
- 421 **Grolle, R.** 1983a. Nomina generica Hepaticarum; references, types and synonymies. *Acta Botanica Fennica* **121**: 1-62.
- 684 **Grolle, R.** 1983b. Hepatics of Europe including the Azores: an annotated list of species, with synonyms from the recent literature. *Journal of Bryology* **12**: 403-459.
- 927 **Grolle, R.** 1984. *Miscellanea hepaticologica* 221-230. *Journal of the Hattori Botanical Laboratory* **55**: 501-511.
- 928 **Grolle, R.** 1985. *Miscellanea hepaticologica* 231-240. *Journal of the Hattori Botanical Laboratory* **58**: 197-202.
- 929 **Grolle, R.** 1987. *Miscellanea hepaticologica* 251-260. *Journal of the Hattori Botanical Laboratory* **63**: 437-443.
- 930 **Grolle, R.** 1988. Verzeichnis der Lebermoose von Ascension Island nebst Beschreibung von *Cheilolejeunea ascensionis* (Hook.f. et Tayl.) Grolle, comb. nov. *Haussknechtia* **4**: 43-49.
- 931 **Grolle, R.** 1989a. *Miscellanea hepaticologica* 271-280. *Journal of the Hattori Botanical Laboratory* **67**: 249-254.
- 998 **Grolle, R.** 1989b. Über *Asterella* subgen. *Brachyblepharis* in Lateinamerika. *Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena, Mathematische-Naturwissenschaftliche Reihe* **38**: 231-239.
- 579 **Grolle, R.** 1991. *Miscellanea Hepaticologica* 281-290. *Journal of the Hattori Botanical Laboratory* **69**: 185-194.
- 1 **Grolle, R.** 1995. The Hepaticae and Anthocerotae of the East African Islands. An Annotated Catalogue. *Bryophytorum Bibliotheca* **48**: 1-178.
- 661 **Grolle, R.** 2001. *Miscellanea hepaticologica* 291-300. *Haussknechtia* **8**: 59-69.
- 550 **Grolle, R.** 2002. The Hepaticae and Anthocerotae of the subantarctic and temperate islands in the eastern Southern Hemisphere (90° to 0°). *Journal of Bryology* **24**: 57-80.
- 959 **Grolle, R. & Heinrichs, J.** 1999. Redescription and synonymy of *Plagiochila aerea* Taylor 1846 (Hepaticae), first described as *Lycopodium pinnatum* by Lamarck 1792. *Nova Hedwigia* **68**: 511-525.
- 160 **Grolle, R. & Long, D.G.** 2000. An annotated check-list of the Hepaticae and Anthocerotae of Europe and Macaronesia. *Journal of Bryology* **22**: 103-140.
- 849 **Grolle, R. & Onraedt, M.** 1974. Lebermoose aus Madagaskar und den Maskarenen (1). *Lindbergia* **2**: 230-233.
- 1046 **Grolle, R. & Persson, H.** 1966. Die Gattung *Tylimanthus* auf den Atlantischen Inseln. *Svensk Botanisk Tidskrift* **60**: 164-174.
- 623 **Grolle, R. & Piippo, S.** 1984. Annotated catalogue of Western Melanesian bryophytes I. Hepaticae and Anthocerotae. *Acta Botanica Fennica* **125**: 1-86.
- 146 **Grolle, R. & Piippo, S.** 1986. Bryophyte Flora of the Huon Peninsula, Papua New Guinea XVI. Pallaviciniaceae (Hepaticae). *Acta Botanica Fennica* **133**: 59-79.
- 571 **Grolle, R. & Reiner-Drehwald, M.E.** 1999. Review of the genus *Harpalejeunea* (Lejeuneaceae) including the description of *H. grandis*, a new species from the páramos of Colombia. *Journal of Bryology* **21**: 31-45.
- 763 **Grolle, R. & So, M.L.** 2003. *Riccia fruticulosa* O.F.Müll., 1782 and a blue *Metzgeria* (Marchantiophyta) in Europe. *Botanical Journal of the Linnean Society* **142**: 229-235.
- 954 **Grolle, R. & Zijlstra, G.** 1984. On the nomenclature of *Gottschea* Nees ex Mont. 1843 (Schistochilaceae, Jungermanniales). *Taxon* **33**: 87-93.
- 53 **Gyarmati, A.** 2001. Hépatiques de Côte-d'Ivoire, récoltes du R.P.É. Assel. *Cryptogamie, Bryologie* **22**: 47-51.
- 2654 **Gyarmati, A. & Pócs, T.** 2014. *Acanthocoleus elgonensis* Gyarmati & Pócs, sp. nov. from Mount Elgon (Uganda). *Cryptogamie, Bryologie* **35**: 119-125.
- 2942 **Hariot, M.P.** 1913. Quelques cryptogames du Sahara et des régions voisines. *Bulletin du Muséum National d'Histoire Naturelle Paris* **19**: 113-115.
- 1003 **Hasegawa, J.** 1979. Taxonomical studies on Asian Anthocerotae. I. *Acta Phytotaxonomica et Geobotanica* **30**: 15-30.
- 994 **Hasegawa, J.** 1980. Taxonomical studies on Asian Anthocerotae II. Asian species of *Dendroceros*. *Journal of the Hattori Botanical Laboratory* **47**: 287-309.
- 993 **Hasegawa, J.** 1983. Taxonomical studies on Asian Anthocerotae III. Asian species of *Megaceros*. *Journal of the Hattori Botanical Laboratory* **54**: 227-240.
- 990 **Hasegawa, J.** 1984. Taxonomical studies on Asian Anthocerotae IV. A revision of the genera *Anthoceros*, *Phaeoceros* and *Folioceros* in Japan. *Journal of the Hattori Botanical Laboratory* **57**: 241-272.
- 991 **Hasegawa, J.** 1993. Taxonomic results of the BRYOTROP Expedition to Zaire and Rwanda. 5. Anthocerotae. *Tropical Bryology* **8**: 51-52.
- 658 **Hasegawa, J.** 1994. New classification of Anthocerotae. *Journal of the Hattori Botanical Laboratory* **76**: 21-34.
- 131 **Hasegawa, J.** 1995. Four tropical Asian species of Anthocerotaceae newly found in continental Africa. *Fragmenta Floristica et Geobotanica* **40**: 113-122.
- 1681 **Hässel de Menendez, H.H.** 1976. Taxonomic problems and progress in the study of the hepaticae. *Journal of the Hattori Botanical Laboratory* **41**: 19-36.
- 496 **Hatcher, R.E.** 1960-61. A monograph of the genus *Isotachis* (Hepaticae). *Nova Hedwigia* **2**: 573-608; **3**: 1-35.
- 2717 **Hattori, S. & Lin, P.-J.** 1985. A preliminary study of Chinese Frullania flora. *Journal of the Hattori Botanical Laboratory* **59**: 123-169.
- 2704 **He, Q., Wei, Y-M., Pócs, T. & Zhu, R-L.** 2014. The reappraisal of *Capillolejeunea* S.W.Arnell (Marchantiophyta, Lejeuneaceae). *Phytotaxa* **175**: 166-170.
- 1664 **He, X-L.** 1995. Type studies on *Pycnolejeunea* (Lejeuneaceae, Hepaticae), I. *Annales Botanici Fennici* **32**: 251-258.

- 14 **He, X.-L.** 1999. A taxonomic monograph of the genus *Pycnolejeunea* (Lejeuneaceae: Hepaticae). *Acta Botanica Fennica* **163**: 1-77.
- 149 **He, X.-L. & Grolle, R.** 2001. *Xylolejeunea*, a new genus of the Lejeuneaceae (Hepaticae) from the Neotropics, Madagascar and the Seychelles. *Annales Botanici Fennici* **38**: 25-44.
- 3069 **He, XL. & Sun, Y.** 2017. Rare sprophyte found in Europe for *Herbertus sendtneri* with a range extension to Africa and Malesia. *Phytotaxa* **324**: 42-50.
- 2736 **Hedderson, T.A.J., Gwynne-Evans, D., Ah-Peng, C. & Ribeiro, D.** 2015. A contribution to the bryoflora of Mozambique from the 'Google Forest', Mabu Mountain, Zambezia Province. *Journal of Bryology* **37**: 42-48.
- 961 **Heinrichs, J.** 2002. A taxonomic revision of *Plagiochila* sect. *Hylacoetes*, sect. *Adiantoideae* and sect. *Fuscoluteae* in the Neotropics with a preliminary subdivision of Neotropical Plagiochilaceae into nine lineages. *Bryophytorum Bibliotheca* **58**: 1-184, Appendices 1-5.
- 2660 **Heinrichs, J., Dong, S., Schäfer-Verwimp, A., Pócs, T., Feldberg, K., Czumaj, C., Schmidt, A.R., Reitner, J., Renner, M.A.M., Hentschel, J., Stech, M. & Schneider, H.** 2013. Molecular Phylogeny of the Leafy Liverwort *Lejeunea* (Porellales): Evidence for a Neotropical Origin, Uneven Distribution of Sexual Systems and Insufficient Taxonomy. *PLoS ONE* 8(12): e82547. doi:10.1371/journal.pone.0082547.
- 2169 **Heinrichs, J., Groth, H., Lindner, M., Renker, C., Pócs, T. & Pröschold, T.** 2004. Intercontinental distribution of *Plagiochila corrugata* (Plagiochilaceae, Hepaticae) inferred from nrDNA ITS sequences. *Botanical Journal of the Linnean Society* **146**: 469-481.
- 1532 **Heinrichs, J., Lindner, M., Gradstein, S.R., Groth, H., Buchbender, V., Solga, A., & Fischer, E.** 2005a. Origin and subdivision of *Plagiochila* (Jungermanniidae: Plagiochilaceae) in tropical Africa based on evidence from nuclear and chloroplast DNA sequences and morphology. *Taxon* **54**: 317-333.
- 1686 **Heinrichs, J., Lindner, M., Groth, H. & Renker, C.** 2005b. Distribution and synonymy of *Plagiochila punctata* (Taylor) Taylor, with hypotheses on the evolutionary history of *Plagiochila* sect. *Arrectae* (Plagiochilaceae, Hepaticae). *Plant Systematics and Evolution* **250**: 105-117.
- 2309 **Heinrichs, J., Klugman, F., Hentschel, J. & Schneider, H.** 2009. DNA taxonomy, cryptic speciation and diversification of the Neotropical-African liverwort, *Marchesinia brachiata* (Lejeuneaceae, Porellales). *Molecular Phylogenetics and Evolution* **53**: 113-121.
- 2794 **Hentschel, J., von Konrat, M.J., Söderström, L., Hagborg, A., Larrain, J., Sukkharak, P., Uribe, J. & Zhang, L.** 2015. Notes on Early Land Plants Today. 72. Infrageneric classification and new combinations, new names, new synonyms in *Frullania* (Marchantiophyta). *Phytotaxa* **220**: 127-142.
- 2093 **Hentschel, J., Paton, J.A., Schneider, H. & Heinrichs, J.** 2007. Acceptance of *Liochlaena* Nees and *Solenostoma* Mitt., the systematic position of *Eremonotus* Pearson and notes on *Jungermannia* L. s.l. (Jungermanniidae) based on chloroplast DNA sequence data. *Plant Systematics and Evolution* **268**: 147-157.
- 1764 **Hentschel, J., Wilson, R., Burghardt, M., Zündorf, H.-J., Schneider, H. & Heinrichs, J.** 2006. Reinstatement of Lophocoleaceae (Jungermanniopsida) based on chloroplast gene rbcL data: exploring the importance of female involucres for the systematics of Jungermanniales. *Plant Systematics and Evolution* **258**: 211-226.
- 2095 **Hentschel, J., Zhu, R-L., Long, D. G., Davison, P. G., Schneider, H., Gradstein, S. R. & Heinrichs, J.** 2007. A phylogeny of *Porella* (Porellaceae, Jungermanniopsida) based on nuclear and chloroplast DNA sequences. *Molecular Phylogenetics and Evolution* **45**: 693-705.
- 33 **Heras Pérez, P. & Infante Sánchez, M.** 1996. Bryophytes from the Republic of Equatorial Guinea (West-Central Africa). I. Introduction and preliminary checklist. *Tropical Bryology* **12**: 41-58.
- 2812 **Herzog, T.** 1947. Hepaticae von fer Comoreninsel Johanna. *Botaniska Notiser* **101**: 317-334.
- 109 **Hodgetts, N.G.** 1997. British Bryological Expedition to Mulanje Mountain, Malawi. 7. Adelanthaceae, Porellaceae, Schistochilaceae (Hepaticae). *Journal of Bryology* **19**: 521-525.
- 761 **Hodgetts, N.G.** 2003. Some synonyms of *Herbertus dicranus* (Taylor ex Gottsche, Lindenb. et Nees) Trevis. *Journal of Bryology* **25**: 138-140.
- 2161 **Hodgetts, N.G.** 2008. A morphological revision of the genus *Herbertus* S.Gray (Herbertaceae, Marchantiophyta) in Africa, including the East African Islands. *Journal of Bryology* **30**: 239-263.
- 3013 **Hodgetts, N.G., Essilfie, M.K., Adu-Gyamfi, A., Akom, E. & Kumadoh, J.** 2016. Bryophytes of Atewa Forest, Eastern Region, Ghana. *Journal of Bryology* **38**: 211-222.
- 75 **Hodgetts, N.G., Matcham, H.W. & Duckett, J.G.** 1999. Bryophytes collected in Lesotho, the Natal Drakensberg and the Orange Free State, southern Africa. *Journal of Bryology* **21**: 133-155.
- 92 **Hodgetts, N.G. & Pócs, T.** 1999. British Bryological Society Expedition to Mulanje Mountain, Malawi. 10. Lepidoziaceae (Hepaticae). *Journal of Bryology* **21**: 316-318.
- 2700 **Horikawa, Y.** 1943. Notulae Hepaticologicae. *Acta Phytotaxonomica et Geobotanica* **13**: 212-214.
- 1044 **Howe, M.A.** 1898. New American Hepaticae. *Bulletin of the Torrey Botanical Club* **25**: 183-192.
- 2916 **Hylander, K.** 2014. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 36. *Journal of Bryology* **36**: 223-244.
- 2345 **Hylander, K., Pócs, T. & Nemomissa, S.** 2010. Liverworts of southwest Ethiopian montane forests: ecological and biogeographical notes. *Journal of Bryology* **32**: 92-100.
- 656 **Hyvönen, J. & Piippo, S.** 1993. Cladistic analysis of the hornworts (Anthocerophyta). *Journal of the Hattori Botanical Laboratory* **74**: 105-119.
- 2476 **Ilkiu-Borges, A.L.** 2006. A taxonomic monograph of the genus *Prionolejeunea* (Lejeuneaceae, Jungermanniopsida). Göttingen: Cuviller-Verlag.
- 2359 **Infante, M.** 2010. Notes on the genus *Dendroceros* in West Africa and South Atlantic Islands. *Journal of Bryology* **32**: 283-287.
- 10 **Infante, M. & Heras, P.** 1998. Bryophytes from the Republic of Equatorial Guinea (West Central Africa). III. Contribution to the bryoflora of Rio Muni (Continental Region). *Tropical Bryology* **15**: 1-13.

- 39 **Infante, M. & Heras, P.** 1999. Bryophytes from the Republic of Equatorial Guinea (West Central Africa). IV. *Cololejeunea iradieri* sp. nov., *Cololejeunea magna* stat. nov. and their relations to similar species. *Tropical Bryology* **17**: 13-18.
- 72 **Infante, M., Heras, P. & Buck, W.R.** 1997. Bryophytes from the Republic of Equatorial Guinea (West-Central Africa). II. Bryophytes collected by Emilio Guinea (1907-1985) in the island of Bioco in 1947. *Tropical Bryology* **13**: 131-135.
- 38 **Infante, M., Heras, P. & Pócs, T.** 1999. Bryophytes from the Republic of Equatorial Guinea (West Central Africa). V. *Diplasiolejeunea cogoensis* sp. nov. *Tropical Bryology* **17**: 9-12.
- 3055 **Infante, M. & Medina, R.** 2011. *Coloejeunea distalopapillata*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 27. *Journal of Bryology* **33**: 159.
- 895 **Inoue, H.** 1971. Memoir of the genus *Mastigophora* Nees. *Bulletin of the National Science Museum, Tokyo ser. B. (Bot.)* **3**: 1-11.
- 1089 **Inoue, H.** 1979. Contributions to the knowledge of the Plagiochilaceae of southeastern Asia, XVIII. A review of the genus *Plagiochila* (Dum.) Dum. in Ceylon. *Journal of the Hattori Botanical Laboratory* **46**: 193-233.
- 1088 **Inoue, H.** 1980. Notes on the Plagiochilaceae. X. *Plagiochila corniculata* (Dum.) Dum. and its allies. *Bulletin of the National Science Museum, Tokyo, Ser. B (Botany)* **6**: 115-124.
- 1209 **Inoue, H.** 1984. *The genus Plagiochila (Dum.) Dum. in southeast Asia*. p. 1-142, 76 plates. Tokyo.
- 650 **Jones, E.W.** 1952. African Hepatics I. The genus *Cyathodium* in Africa. *Transactions of the British Bryological Society* **2**: 55-61.
- 654 **Jones, E.W.** 1953a. African Hepatics II. *Leptocolea* with hyaline-margined leaves. *Transactions of the British Bryological Society* **2**: 144-157.
- 853 **Jones, E.W.** 1953b. African Hepatics III. *Cololejeunea* and *Leptocolea* with dentate leaves. *Transactions of the British Bryological Society* **2**: 158-163.
- 165 **Jones, E.W.** 1953c. African Hepatics V. *Lophocolea*, with notes on *Chiloscyphus* and *Leptoscyphus*. *Transactions of the British Bryological Society* **2**: 172-202.
- 855 **Jones, E.W.** 1954a. African Hepatics VI. *Euosmolejeunea*. *Transactions of the British Bryological Society* **2**: 375-379.
- 856 **Jones, E.W.** 1954b. African Hepatics VII. The genus *Cheilolejeunea*. *Transactions of the British Bryological Society* **2**: 380-392.
- 857 **Jones, E.W.** 1954c. African Hepatics VIII. *Diplasiolejeunea albifolia* (Taylor) Jones comb. nov. *Transactions of the British Bryological Society* **2**: 393-395.
- 830 **Jones, E.W.** 1954d. African Hepatics IX. Some species of *Ptychocoleus*. *Transactions of the British Bryological Society* **2**: 396-407.
- 858 **Jones, E.W.** 1954e. African Hepatics X. *Leptocolea* and *Cololejeunea*. *Transactions of the British Bryological Society* **2**: 408-438.
- 845 **Jones, E.W.** 1956. African Hepatics XI. The genus *Riccardia* in Tropical Africa. *Transactions of the British Bryological Society* **3**: 74-84.
- 134 **Jones, E.W.** 1957a. African Hepatics XII. Some little-known Lejeuneaceae. *Transactions of the British Bryological Society* **3**: 191-207.
- 859 **Jones, E.W.** 1957b. African Hepatics XIII. The Ricciaceae of Tropical Africa. *Transactions of the British Bryological Society* **3**: 208-227.
- 1013 **Jones, E.W.** 1958. A provisional key to the genera of tropical African hepatics. *Journal of the West African Science Association* **4**: 50-73.
- 722 **Jones, E.W.** 1962. African Hepatics XV. *Plagiochila* in Tropical Africa. *Transactions of the British Bryological Society* **4**: 254-325.
- 861 **Jones, E.W.** 1963. African Hepatics XVI. *Porella* in Tropical Africa. *Transactions of the British Bryological Society* **4**: 446-461.
- 862 **Jones, E.W.** 1964. African Hepatics XVII. *Gongylanthus* in Tropical Africa. *Transactions of the British Bryological Society* **4**: 649-652.
- 863 **Jones, E.W.** 1967. African Hepatics XVIII. *Taxilejeunea*, and *Lejeunea* with eplicate perianths. *Transactions of the British Bryological Society* **5**: 289-304.
- 864 **Jones, E.W.** 1968a. African Hepatics XIX. The *Lejeunea flava* complex. *Transactions of the British Bryological Society* **5**: 548-562.
- 106 **Jones, E.W.** 1968b. African Hepatics XX. Some little-known species and extensions of range. *Transactions of the British Bryological Society* **5**: 563-572.
- 865 **Jones, E.W.** 1969. African Hepatics XXI. *Microlejeunea*, *Chaetolejeunea* and *Pleurolejeunea*. *Transactions of the British Bryological Society* **5**: 775-789.
- 157 **Jones, E.W.** 1972. African Hepatics XXIII. Some species of *Lejeunea*. *Journal of Bryology* **7**: 23-45.
- 867 **Jones, E.W.** 1974a. African Hepatics XXIV. Lejeuneaceae: some new or little-known species, and extensions of range. *Journal of Bryology* **7**: 545-561 "1973".
- 868 **Jones, E.W.** 1974b. African Hepatics XXV. *Rectolejeunea*. *Journal of Bryology* **8**: 71-75.
- 869 **Jones, E.W.** 1974c. African Hepatics XXVI. The *Lejeunea eckloniana* complex. *Journal of Bryology* **8**: 77-91.
- 870 **Jones, E.W.** 1975. African Hepatics XXVII. *Bazzania*. *Journal of Bryology* **8**: 299-316.
- 871 **Jones, E.W.** 1976a. African Hepatics XXVIII. *Schistochila* Dumort. *Journal of Bryology* **9**: 33-41.
- 872 **Jones, E.W.** 1976b. African Hepatics XXIX. Some new or little-known species, and extensions of range. *Journal of Bryology* **9**: 43-54.
- 873 **Jones, E.W.** 1977. African Hepatics XXX. The genus *Radula* Dumortier. *Journal of Bryology* **9**: 461-504.
- 874 **Jones, E.W.** 1979. African Hepatics XXXI. Rare or little-known Lejeuneaceae and extensions of range. *Journal of Bryology* **10**: 387-400.

- 875 **Jones, E.W.** 1981. African Hepaticas XXXII. Some little-known species and extensions of range. *Journal of Bryology* **11**: 311-323. "1980".
- 877 **Jones, E.W.** 1985a. African Hepaticas XXXIV. Little-known or new Lejeuneaceae. *Journal of Bryology* **13**: 385-398.
- 104 **Jones, E.W.** 1985b. African Hepaticas XXXV. Some new or little-known species and noteworthy extensions of range. *Journal of Bryology* **13**: 497-508.
- 878 **Jones, E.W.** 1988. African Hepaticas XXXVIII. *Cheilolejeunea* subgen *Strepsilejeunea* (Spruce) Schuster with special reference to East Africa. *Journal of Bryology* **15**: 149-160.
- 879 **Jones, E.W.** 1989. African Hepaticas XXXIX. Some dioecious species of *Lejeunea*. *Journal of Bryology* **15**: 665-673.
- 679 **Jones, E.W.** 1990. African Hepaticas XL. An artificial key to the genera of African Hepaticas. *Journal of Bryology* **16**: 9-40.
- 25 **Jones, E.W. & Harrington, A.J.** 1983. The Hepaticae of Sierra Leone and Ghana. *Bulletin of the British Museum (Natural History), Botanical series* **11**: 215-289.
- 124 **Jovet-Ast, S.** 1946. Hépatiques des Iles du Cap Vert. *Mémoires de la Société de Biogéographie* **8**: 363-367.
- 336 **Jovet-Ast, S.** 1954. Le genre *Colura*, Hépatiques, Lejeuneacées, Diplasiae. *Revue Bryologique et Lichénologique* **22**: 206-312.
- 1024 **Jovet-Ast, S.** 1957. *Riccia frostii* Aust., au Sahara et en Turquie. *Revue Bryologique et Lichénologique* **26**: 67-68.
- 1021 **Jovet-Ast, S.** 1965. *Riccia crystallina* L. emend. Raddi et *Riccia cavernosa* Hoffm. emend. Raddi. *Revue Bryologique et Lichénologique* **33**: 459-483.
- 1023 **Jovet-Ast, S.** 1966. *Riccia crystallina* L. emend. Raddi et *Riccia cavernosa* Hoffm. emend. Raddi. II. *Revue Bryologique et Lichénologique* **34**: 82-90.
- 1025 **Jovet-Ast, S.** 1983. *Riccia trichocarpa* Howe et *Riccia canescens* Steph. *Cryptogamie, Bryologie Lichénologie* **4**: 37-46.
- 555 **Jovet-Ast, S.** 2000. Documents pour la connaissance des *Riccia austrialiens* (Hépatiques, Marchantiales) - Nouvelles récoltes. Taxons nouveaux. Commentaires morphologiques et écologiques. *Cryptogamie, Bryologie* **21**: 289-344.
- 1022 **Jovet-Ast, S. & Bischler, H.** 1971. Les Hépatiques d'Egypt et du Sinai. Enumération, notes écologiques et biogéographiques. *Revue Bryologique et Lichénologique* **37**: 265-290.
- 1035 **Kitagawa, N.** 1969. Studies on the hepaticae of Thailand. II. *Cephalozia* and *Cephaloziella*. *Journal of the Hattori Botanical Laboratory* **32**: 290-306.
- 1521 **Kitagawa, N.** 1973. Miscellaneous notes on little known species of Hepaticae. 1-25. *Journal of the Hattori Botanical Laboratory* **36**: 444-454. ["1972" 5 January 1973].
- 527 **Kitagawa, N.** 1981. Studies on the hepaticae of Thailand IV. *Anastrophyllum* and allied genera. *Bulletin of the Nara University for Education* **30**: 41-48.
- 2415 **Konstantinova, N.A. & Mamontov, Y.S.** 2010. A revision of the genus *Calycularia* Mitt. (Calyculariaceae, Marchantiophyta). *Arctoa* **19**: 117-130.
- 1481 **Konstantinova, N.A., Potemkin, A.D. & Schljakov, R.N.** 1992. Check-list of the Hepaticae and Anthocerotae of the former USSR. *Arctoa* **1**: 87-127.
- 2408 **Konstantinova, N.A. & Vilnet, A.A.** 2009. New taxa and new combinations in Jungermanniales (Hepaticae). *Arctoa* **18**: 65-67.
- 542 **Kruijt, R.C.** 1988. A monograph of the genera *Dicranolejeunea* and *Acanthocoleus*. *Bryophytorum Bibliotheca* **36**: 1-136.
- 133 **Kruijt, R.C. & Gradstein, S.R.** 1986. Studies on Lejeuneaceae subfam. Ptychanthoideae X. On *Brachiolejeunea phyllorhiza* (Nees) Kruijt & Gradstein comb. nov. *Nova Hedwigia* **43**: 299-309.
- 94 **Kürschner, H.** 2000. *Marchesinia mackaii* (Hook.) S.F.Gray (Lejeuneaceae, Hepaticopsida), and further leafy liverworts new to Socotra Island. Additions to the bryophyte flora of the Arabian Peninsula and Socotra 1. *Nova Hedwigia* **71**: 503-508.
- 558 **Kürschner, H.** 2001. Towards a bryophyte flora of the Near and Middle East. 3. An artificial key to the Anthocerotophytina and Hepaticophytina of the Near and Middle East. *Nova Hedwigia* **72**: 161-200.
- 746 **Kürschner, H.** 2003. Further new bryophytes to Socotra and the Yemen mainland, including *Papillaria crocea* (Hampe) A.Jaeger (Metcoriacae, Bryopsida), a palaearctic Asian species. Additions to the Bryophyte Flora of the Arabian Peninsula and Socotra 3. *Nova Hedwigia* **76**: 257-267.
- 764 **Kürschner, H.** 2004a. Nineteen new records to the bryophyte flora of Socotra Island. Additions to the Bryophyte Flora of the Arabian Peninsula and Socotra 5. *Willdenowia* **33**: 445-458. [includes a checklist of liverworts and mosses recorded from Socotra].
- 1069 **Kürschner, H.** 2004b. Remarkable new records to the bryophyte flora of Yemen (al-Mahra and Socotra Island). Additions to the Bryophyte Flora of the Arabian Peninsula and Socotra 6. *Cryptogamie, Bryologie* **25**: 69-81.
- 1985 **Kürschner, H.** 2006. A bryophyte flora of Socotra Island, Yemen. *Englera* **28**: 97-162.
- 768 **Kuwahara, Y.** 1969. Taxonomic accounts of the "hair falcate" species of the hepatic genus *Metzgeria*. *Nova Hedwigia* **17**: 359-368.
- 154 **Kuwahara, Y.** 1981. Studies of Peruvian collections of the genus *Metzgeria* made by P. & E. Hegewald in 1973 and 1977. *Nova Hedwigia* **34**: 769-815.
- 1001 **Kuwahara, Y.** 1982. Studies on Colombian Cryptogams XV. On high Andean *Metzgeria* collected by Dr. Antoine M. Cleef in 1972 and 1973. *Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen, ser. C: Biological and Medical Sciences* **85**(3): 357-380.
- 543 **Kuwahara, Y.** 1983a. Synopsis of sect. *Pleniseria* Kuw., subgen. *Metzgeria* Kuw., gen. *Metzgeria* Raddi. *Lindbergia* **9**: 153-159.
- 486 **Kuwahara, Y.** 1983b. *Metzgeria decipiens* (Mass.) Schiffn. (Hepaticae), with a wide geographical distribution. *Nova Hedwigia* **38**: 603-616.
- 769 **Kuwahara, Y.** 1983c. *Metzgeria vandenberghenii*, sp. nov. du Zaïre et quelques autres *Metzgeria* (Hepaticae) reconnues récemment en Afrique. *Bulletin du Jardin Botanique National de Belgique* **53**: 67-73.

- 624 **Kuwahara, Y.** 1984. Synopsis of sect. *Biseria* Kuw., subgen. *Metzgeria* Kuw., gen. *Metzgeria* Raddi (Hepaticae). *Hikobia* **9**: 31-42.
- 1000 **Kuwahara, Y.** 1985. Annotated keys to the species of the Metzgeriaceae from Japan, East Himalayas, Tropical East Asia, and Tropical Oceania. *Nova Hedwigia* **40**: 273-285. "1984".
- 155 **Kuwahara, Y.** 1986. The Metzgeriaceae of the Neotropics. *Bryophytorum Bibliotheca* **28**: 1-254.
- 770 **Kuwahara, Y. & Onraedt, M.** 1969. Notes on the genus *Metzgeria* (Hepaticae) in Sri Lanka. *Bulletin du Jardin Botanique National de Belgique* **49**: 77-80.
- 2857 **Laaka-Lindberg, S.** 2004. Noteworthy bryophytes on disturbed soil in N.E.Tanzania. *Journal of Bryology* **26**: 301-303.
- 2970 **Lee, G.E., Bechteler, J., Pócs, T., Schäfer-Verwimp, A. & Heinrichs, J.** 2015. Molecular and morphological evidence for a transcontinental range of the liverwort *Lejeunea pulchriflora*. *Organisms Diversity and Evolution* **16**: 13-21.
- 2969 **Lehmann, J.G.C.** 1829. Hepaticarum capensium. *Linnaea* **4**: 357-371.
- 948 **Lindberg, S.O.** 1874. Manipulus muscorum secundus. *Notiser ur Sällskapets pro Fauna et Flora Fennica Förhandlingar* **13**: 351-417.
- 2878 **Lindenberg, J.B.W.** 1839-1843. *Species Hepaticarum*. Fasciculi 1-5. Bonn.
- 1196 **Lindner, M., Pócs, T. & Heinrichs, J.** 2004. On the occurrence of *Plagiochila stricta* on Madagascar, new to Africa. *Journal of the Hattori Botanical Laboratory* **96**: 261-271.
- 93 **Long, D.G.** 2001. Studies on the genus *Asterella* (Aytoniaceae). V. Miscellaneous notes on Asiatic *Asterella*. *Lindbergia* **26**: 43-45.
- 2922 **Long, D.G., Forrest, L.L., Villarreal, J.C. & Candall-Stotler, B.** 2016. Taxonomic changes in Marchantiaceae, Corsiniaceae and Cleveaceae (Marchantiidae, Marchantiophyta). *Phytotaxa* **252**: 77-80.
- 148 **Long, D.G. & Grolle, R.** 1992. Studies on the genus *Asterella* P.Beauv. (Hepaticae). I. Nomenclatural history. *Taxon* **41**: 65-69.
- 96 **Lye, K. & Pócs, T.** 1997. New records and additions to the hepatic flora of Uganda. *Lidia* **4**: 13-36.
- 2804 **Malombe, I.** 2007. Systematics of *Cheilolejeunea* (Spruce) Schiffn. (Lejeuneaceae) in continental Africa and its ecological significance in Conservation of Kakamega and Budongo rainforests. Dissertation zur Erlangung des akademischen Grades eines Doktors der Naturwissenschaften Fachbereich 3: Mathematik/ Naturwissenschaften Universität Koblenz-Landau, 177 pp.
- 2357 **Malombe, L.** 2009. Studies on African *Cheilolejeunea* (Lejeuneaceae) I: New species and new combinations. *Acta Botanica Hungarica* **51**: 315-328.
- 2858 **Malombe, I.** 2010. *Cololejeunea jonesii* reported from Kenya. *Tropical Bryology Group Newsletter* **25**: 5.
- 2386 **Malombe, I., Fischer, E. & Pócs, T.** 2010. *Cheilolejeunea ulugurica* (Lejeuneaceae, Marchantiophyta), a new species from Tanzania. *Acta Academiae Plantarum Agriensis* **1**: 23-28.
- 2859 **Manyanga, P. & Perold, S.M.** 2004. A checklist of Zimbabwe bryophytes. *Southern Africa Botanical Diversity Network Report* **21**: 5-30.
- 2498 **Marline, L., Andriamiarisoa, R.L., Bardat, J., Chuah-Petiot, M., Hedderson, T.A.J., Reeb, C., Strasberg, D., Wilding, N. & Ah-Peng, C.** 2012. Checklist of the bryophytes of Madagascar. *Cryptogamie, Bryologie* **33**: 199-255.
- 351 **Meenks, J. & Pócs, T.** 1985. East African Bryophytes IX. Aneuraceae. *Abstracta Botanica* **9**: 79-98.
- 95 **Mitten, W.** 1863. On the Musci and Hepaticae from the Cameroons Mountains and from the River Niger. *Journal and Proceedings of the Linnean Society, Botany* **7**: 147-169. "1864" 29 Oct 1863.
- 827 **Mitten, W.** 1864. A new genus of Hepaticae. *Journal and Proceedings of the Linnean Society, Botany* **7**: 243-244. (5 Apr 1864).
- 2943 **Mitten, W.** 1877. List of Hepaticae collected by the Rev. A. E. Eaton at the Cape of Good Hope (August and September 1874). *Journal of the Linnean Society, Botany* **16**: 187-197. "1878" 21 Aug 1877.
- 2817 **Mitten, W.** 1878. Hepaticae. In: "The Collections of Rodriguez." *Philosophical Transactions of the Royal Society London* **168**: 396-401.
- 973 **Mitten, W.** 1886. The Mosses and Hepaticae collected in Central Africa by the late Right Rev. James Hannington, Bishop of Mombasa, F.L.S., F.G.S. etc., with some others, including those gathered by Mr J.H. Johnston on Kilimanjaro. *Journal of the Linnean Society, Botany* **22**: 298-328. "1887" 15 Oct 1886.
- 453 **Mizutani, M.** 1961. A revision of Japanese Lejeuneaceae. *Journal of the Hattori Botanical Laboratory* **24**: 115-302.
- 1042 **Mizutani, M.** 1964. A small collection of New Caledonian Hepatics. *Journal of the Hattori Botanical Laboratory* **27**: 131-132.
- 744 **Mizutani, M.** 1975. Epiphyllous species of Lejeuneaceae from the Philippines. *Journal of the Hattori Botanical Laboratory* **39**: 255-262.
- 976 **Mizutani, M.** 1979. Notes on the Lejeuneaceae. I. Some Asiatic species of the genus *Lopholejeunea*. *Journal of the Hattori Botanical Laboratory* **45**: 375-387.
- 1048 **Mizutani, M.** 1982. Notes on the Lejeuneaceae. 6. Japanese species of the genus *Cheilolejeunea*. *Journal of the Hattori Botanical Laboratory* **51**: 151-173.
- 613 **Mizutani, M.** 1988. Notes of the Lejeuneaceae 14. Asiatic species of the genus *Caudalejeunea*. *Journal of the Hattori Botanical Laboratory* **64**: 389-399.
- 125 **Muhle, H.** 1982. A checklist of mosses of the Cap Verde Islands. *Courier Forschungsinstitut Senckenberg* **52**: 277-281.
- 1492 **Müller, F.** 1995. Neue und bemerkenswerte Moosfunde aus Zaire. *Tropical Bryology* **10**: 81-90.
- 36 **Müller, F.** 1996. Beitrag zur Moosflora der Insel Bioko (=Fernando Po), Äquatorial-Guinea. *Tropical Bryology* **12**: 75-96.
- 49 **Müller, F.** 1999. Contribution to the bryoflora and bryogeography of St. Helena (South Atlantic Ocean). *Tropical Bryology* **16**: 131-138.
- 45 **Müller, F.** 2000. Additions to the bryophyte flora of Réunion (East African Islands). *Tropical Bryology* **18**: 91-95.

- 719 Müller, F. 2002. Additions to the bryophyte floras of Réunion and Mauritius. *Tropical Bryology* **21**: 47-49.
- 1718 Müller, F. 2006. Bryophytes of Bioko (Equatorial Guinea). Results of an excursion in 2002. *Tropical Bryology* **27**: 9-17
- 2848 Müller, F. 2015. About 150 years after Welwitsch - a first more extensive list of new bryophyte records for Angola. *Nova Hedwigia* **100**: 487-505.
- 2983 Müller, F. 2016. *Cylindrocolea ugandica; Marchesinia excavata*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 47. *Journal of Bryology* **38**: 155, 159.
- 728 Müller, F., Arts, T. & Yamada, K. 2001. New localities of *Radula fulvifolia* (Hook.f. et Tayl.) Gott., Lindenb. & Nees (Radulaceae: Hepaticae). *Bryological Research* **7**: 378-380.
- 3012 Müller, F. & Flügel, H-J. 2016. New records of bryophytes from the biosphere reserve Kafa in Ethiopia. *Herzogia* **29**: 190-195.
- 723 Müller, F. & Pócs, T. 2002. Contribution to the hepatic flora of Rodrigues (East African islands). *Tropical Bryology* **22**: 107-113.
- 1778 Müller, F. & Pócs, T. 2007. A contribution to the knowledge of epiphyllous bryophytes of Bioko Island (Equatorial Guinea), including additional remarks on non-epiphyllous species. *Journal of Bryology* **29**: 81-94.
- 2374 Müller, F., Pócs, T. & Shevock, J.R. 2011. Additions to the liverwort and hornwort flora of São Tomé and Príncipe. *Tropical Bryology* **33**: 19-22.
- 51 Müller, F. & Schäfer-Verwimp, A. 1999. New bryophyte taxon records for tropical countries III. *Tropical Bryology* **16**: 195-201.
- 3067 Müller, F. & Shevock, J.R. 2017. *Marchesinia principensis* (Marchantiophyta, Lejeuneaceae), a new liverwort species from Príncipe, West Africa. *Phytotaxa* **338**: 202-208.
- 48 Müller, F., Wigginton, M.J. & O'Shea, B.J. 2000. New bryophyte taxon records for tropical countries IV. *Tropical Bryology* **18**: 199-202.
- 1027 Müller, K. 1951-58. *Die Lebermoose Europas*. In: Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz. ed. 3, **6**: 1-1365. Leipzig.
- 1892 Müller, J., Heinrichs, J. & Gradstein, S.R. 1999. A revision of *Plagiochila* sect. *Plagiochila* in the neotropics. *Bryologist* **102**: 729-746.
- 2708 Na-Thalang, O. 1980. A revision of the genus *Riccia* (Hepaticae) in Australia. *Brunonia* **3**: 61-140.
- 171 O'Shea, B.J. 1995. Checklist of the mosses of sub-Saharan Africa. *Tropical Bryology* **10**: 91-198.
- 3108 O'Shea, B.J. 2006. Checklist of the mosses of sub-Saharan Africa. *Tropical Bryology Research Reports* **6**: 1-252 - downloadable from http://www.nhm.ac.uk/hosted_sites/bbstbg/resources_lit_africa.html
- 73 O'Shea, B.J., Eggers, J., Pursell, R.A., Sollman, P. & Stevenson, C.R. 1997. New bryophyte taxon records for tropical countries. 1. *Tropical Bryology* **13**: 175-183.
- 114 O'Shea, B.J., Wigginton, M.J., Bruggeman-Nannenga, M.A., Hodgetts, N.G. & Porley, R.D. 2001. British Bryological Society Expedition to Mulanje mountain, Malawi. 13. New and other unpublished records. *Tropical Bryology* **20**: 1-26.
- 776 O'Shea, B.J., Wigginton, M.J., Bruggeman-Nannenga, M.A., Hedenäs, L., Matcham, H.W., Frahm, J.-P., Porley, R.D., Ellis, L.T., Watling, M.C., Bates, J.E. & Váňa, J. 2003. Bryophytes of Uganda, 6. New and additional records, 3. *Tropical Bryology* **24**: 161-168.
- 127 Oyesiku, O.O. & Egunyomi, A. 2001. Savanna bryophytes from the upper Ogun, south-western Nigeria. *Journal of Bryology* **23**: 67-70.
- 2167 Pandé, S.K. & Udar, R. 1958. Genus *Riccia* in India. II. Species of *Riccia* from South India with description of a new species and notes on the synonymy of some recently described ones. *Proceedings of the National Institute of Science, India* **24**: 79-88.
- 2855 Paris, G. 1902. Muscinées de l'Afrique occidentale française. *Revue Bryologique* **28**: 63-72.
- 2616 Patino, J., Devos, N., Vanderpoorten, A., Schäfer-Verwimp, A. & Renner, M. 2013. The identity of *Radula carringtonii* Jack. *Journal of Bryology* **35**: 313-316.
- 2993 Patzak, S.D.F., Schäfer-Verwimp, A., Váňa, J., Renner, M.A.M., Peralta, D.F. & Heinrichs, J. 2016. Chonecoleaceae (Lophocoleineae) is a synonym of Cephaloziellaceae (Cephaloziineae) and *Rivulariella* (Jungermanniineae) belongs to Scapaniaceae s.l. (Cephaloziineae). *Phytotaxa* **267**: 091-102.
- 2703 Pearson, W.H. 1892. Lejeuneae Madagascarienses. *Christiania Videnskabs-Selskabs Forhandlinger* **1892**(8): 3-9.
- 2814 Pearson, W.H. 1891. Frullaniae Madagascarienses. *Christiania Videnskabs-Selskabs Forhandlinger* **1890**(2): 1-9.
- 2811 Pearson, W.H. 1922. Notes on a collection of hepaticae from the Belgian Congo (ex herb. R. Naveau, Antwerp). *Natuurwetenschapp Tijdschrift* **4**: 118-143.
- 2815 Pearson, W.H. 1931. Notes on a collection of Hepaticae collected by Mr. Saxby on the West Coast of Africa. *Annales de Cryptogamie Exotique* **4**: 61-71.
- 547 Perold, S.M. 1986. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 7. *Riccia congoana* and its synonyms. *Bothalia* **16**: 193-201.
- 1020 Perold, S.M. 1989a. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 12. *Riccia albolumbata* and the status of *R. albosquamata*, white-scaled species originally described by Arnell. *Bothalia* **19**: 17-25.
- 1028 Perold, S.M. 1989b. Spore wall ornamentation as an aid identifying the southern African species of *Riccia* (Hepaticae). *Journal of the Hattori Botanical Laboratory* **67**: 109-201.
- 1017 Perold, S.M. 1990a. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 20. *R. albovestita* and its synonyms, *R. duthieae* and *R. sarcosa*. *Bothalia* **20**: 191-196.
- 1018 Perold, S.M. 1990b. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 21. *R. stricta*, *R. purpurascens*, and *R. fluitans*, subgenus *Ricciella*. *Bothalia* **20**: 197-206.
- 1019 Perold, S.M. 1991a. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 23. *R. bullosa*: typification and a full description. *Bothalia* **21**: 129-135.

- 1029 **Perold, S.M. 1991b.** A taxonomic revision of the Ricciaceae Reichenb. (Marchantiales: Hepaticae) in southern Africa. PhD Thesis, Pretoria University.
- 1058 **Perold, S.M. 1992a.** Studies in the genus *Riccia* (Marchantiales) from southern Africa. 24. *R. moenkemeyeri*, subgenus *Ricciella*: new records. *Bothalia* **22**: 19-22.
- 1060 **Perold, S.M. 1992b.** *Cololejeunea cardiocarpa*, an epiphyllous liverwort in southern Africa (Lejeuneaceae). *Bothalia* **22**: 177-182.
- 426 **Perold, S.M. 1993a.** Studies in the Marchantiales (Hepaticae) from southern Africa. 1. The genus *Dumortiera* and *D. hirsuta*; the genus *Lunularia* and *L. cruciata*. *Bothalia* **23**: 49-57.
- 169 **Perold, S.M. 1993b.** Studies in the Marchantiales (Hepaticae) from southern Africa. 3. The genus *Targionia* and *T. hypophylla* with notes on *T. lorbeeriana* and *Cyathodium foetidissimum* (Targioniaceae). *Bothalia* **23**: 215-221.
- 955 **Perold, S.M. 1993c.** The hepatic, *Jensenia spinosa* (= *Pallavicinia stephanii*: Pallaviciniaceae), in southern Africa. *Bothalia* **23**: 223-229.
- 1062 **Perold, S.M. 1993d.** The hepatics, *Symphyogyna podophylla* and *Pallavicinia lyellii* (Pallaviciniaceae) in southern Africa. *Bothalia* **23**: 15-21.
- 716 **Perold, S.M. 1994a.** Studies in the Marchantiales (Hepaticae) from southern Africa. 4. *Mannia capensis*, section and subgenus *Xeromannia* (Aytoniaceae). *Bothalia* **24**: 9-14.
- 1043 **Perold, S.M. 1994b.** Studies in the Marchantiales (Hepaticae) from southern Africa. 5. The genus *Exormotheca*, *E. pustulosa* and *E. holstii*. *Bothalia* **24**: 15-23.
- 997 **Perold, S.M. 1994c.** Studies in the Marchantiales (Hepaticae) from southern Africa. 6. The genus *Asterella* (Aytoniaceae: Reboulcioideae) and its four local species. *Bothalia* **24**: 133-147.
- 655 **Perold, S.M. 1995a.** A survey of the Ricciaceae of tropical Africa. *Fragmenta Floristica et Geobotanica* **40**: 53-91.
- 727 **Perold, S.M. 1995b.** Studies in the Marchantiales (Hepaticae) from southern Africa. 8. The genus *Plagiochasma* (Aytoniaceae: Aytoniodeae) and six local taxa. *Bothalia* **25**: 13-29.
- 1066 **Perold, S. M. 1995c.** Studies in the Marchantiales (Hepaticae) from southern Africa. 9. The genus *Marchantia* and its five local species. *Bothalia* **25**: 183-204.
- 98 **Perold, S.M. 1997a.** A new species of the genus *Riccia* L. from Bioko Island, *R. biokoensis* Perold. *Nova Hedwigia* **64**: 1-2.
- 79 **Perold, S.M. 1997b.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 1. Three new species from Northern Province, Gauteng and Mpumalanga. *Bothalia* **27**: 17-27.
- 80 **Perold, S.M. 1997c.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 2. An amendment to three species from Western Cape, described by Arnell. *Bothalia* **27**: 29-38.
- 81 **Perold, S.M. 1997d.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 3. An amendment to *F. spinifolia*. *Bothalia* **27**: 39-42.
- 82 **Perold, S.M. 1997e.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 4. A re-examination of *F. crispa*, *F. leucoxantha* and *F. tumida*. *Bothalia* **27**: 105-115.
- 83 **Perold, S.M. 1997f.** Metzgeriales – Fossombroniaceae. The Lectotypification of *Fossombronia crispa*, In: Notes on African Plants. *Bothalia* **27**: 137-139.
- 84 **Perold, S.M. 1998a.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 5. A new species from Northern and Western Cape. *Bothalia* **28**: 1-5.
- 85 **Perold, S.M. 1998b.** Metzgeriales - Fossombroniaceae. *Fossombronia rwandaensis*, a new species from Tropical Africa, pp. 45-49; Aytoniaceae (Hepatophyta). *Asterella abyssinica*, newly recognised from South Africa and Malawi, pp. 53-56, in Notes on African plants. *Bothalia* **28**: 41-65.
- 86 **Perold, S.M. 1998c.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 6. New species from Lesotho, Swaziland and Mpumalanga and new records from Lesotho. *Bothalia* **28**: 159-165.
- 87 **Perold, S.M. 1999a.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 7. *F. capensis* var. *spiralis*, a new variety from Western Cape. *Bothalia* **29**: 1-4.
- 88 **Perold, S.M. 1999b.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 8. *F. elsiaeae* and *F. spinosa*, two new Western Cape species with spinose spores. *Bothalia* **29**: 25-33.
- 89 **Perold, S.M. 1999c.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 9. A new species from Mpumalanga and KwaZulu-Natal, with notes on other species. *Bothalia* **29**: 77-82.
- 90 **Perold, S.M. 1999d.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 10. Three new species from Northern and Western Cape. *Bothalia* **29**: 83-93.
- 91 **Perold, S.M. 1999e.** A conspectus of the southern African species of the liverwort genus *Fossombronia* Raddi (Metzgeriales), In: Riclef Grolle - Festschrift. *Haussknechtia Beiheft* **9**: 265-278.
- 76 **Perold, S.M. 1999f.** Studies in the Sphaerocarpales (Hepaticae) from southern Africa. 1. The genus *Monocarpus* and its only member, *M. sphaerocarpus*. *Bothalia* **29**: 83-93.
- 1132 **Perold, S.M. 1999g.** Hepatophyta. Part 1. Marchantiales. Fasc. 1. Marchantiidae, in O.A. Leistner, Flora of Southern Africa. Pretoria: National Botanical Institute.
- 77 **Perold, S.M. 2000a.** Studies in the Sphaerocarpales (Hepaticae) from southern Africa. 2. The genus *Sphaerocarpos* and its only local species, *S. stipitatus*. *Bothalia* **30**: 17-24.
- 78 **Perold, S.M. 2000b.** Studies in the Sphaerocarpales (Hepaticae) from southern Africa. 3. The genus *Riella* and its local species. *Bothalia* **30**: 125-142.
- 663 **Perold, S.M. 2001a.** Studies in the liverwort genus *Fossombronia* (Metzgeriales) from southern Africa. 11. *F. zuurbergensis*, a new species from Eastern Cape and new records for the area. *Bothalia* **31**: 25-30.
- 664 **Perold, S.M. 2001b.** Notes on African plants: Fossombroniaceae. *Fossombronia nyikaensis*, a new species from Malawi. *Bothalia* **31**: 48-52.
- 651 **Perold, S.M. 2001c.** Studies in the genus *Riccia* (Marchantiales) from southern Africa. 25. A new species in subgenus *Ricciella*, section *Ricciella*. *Bothalia* **31**: 151-154.

- 652 **Perold, S.M. 2001d.** Studies in the liverwort family Aneuraceae (Metzgeriales) from southern Africa. 1. The genus *Aneura* and its local representatives. *Bothalia* **31**: 167-173.
- 653 **Perold, S.M. 2001e.** Studies in the liverwort family Aneuraceae (Metzgeriales) from southern Africa. 2. The genus *Riccardia* and its type species, *R. multifida*, with confirmation of its presence in the region. *Bothalia* **31**: 183-187.
- 717 **Perold, S.M. 2002a.** Studies in the liverwort family Aneuraceae (Metzgeriales) from southern Africa. 3. *Riccardia compacta*. *Bothalia* **32**: 15-19.
- 734 **Perold, S.M. 2002b.** Studies in the liverwort family Aneuraceae (Metzgeriales) from southern Africa. 4. *Riccardia obtusa*. *Bothalia* **32**: 181-184.
- 760 **Perold, S.M. 2003a.** Studies in the liverwort family Aneuraceae (Metzgeriales) from southern Africa. 5. *Riccardia amazonica*. *Bothalia* **33**: 99-104.
- 766 **Perold, S.M. 2003b.** Cleveaceae - Marchantiales. *Sauteria nyikaensis*, a new liverwort from Malawi, In: Notes on African Plants (various authors). *Bothalia* **33**: 165-171.
- 1917 **Perold, S.M. 2004a.** Studies in the genus *Riccia* (Marchantiales) from southern Africa. 26. A new species in section Pilifer, *Riccia radiata*, is described. *Bothalia* **34**: 23-26.
- 1716 **Perold, S.M. 2004b.** Studies in the genus *Riccia* (Marchantiales) from southern Africa. 27. *Riccia lanceolata* and *R. radicosa* now also locally reported. *Bothalia* **34**: 97-102.
- 1457 **Perold, S.M. 2005.** *Riccia mamrensis*, a new species from Western Cape, South Africa. *Cryptogamie, Bryologie* **26**: 67-72.
- 2882 **Perold, S.M. & Volk, O.H. 1988a.** Studies in the genus *Riccia* (Marchantiales) from southern Africa. 8. *R. campbelliana* (subgenus Riccia), newly recorded for the region. *Bothalia* **18**: 37-42.
- 1016 **Perold, S.M. & Volk, O.H. 1988b.** Studies in the genus *Riccia* (Marchantiales) from southern Africa. 9. *R. nigrella* and the status of *R. capensis*. *Bothalia* **18**: 43-49.
- 3057 **Phephu, N. 2012.** *Cylindrocolea atroviridis*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 32. *Journal of Bryology* **34**: 235.
- 3058 **Phephu, N. 2013.** *Calypogeia afrocaerulea*, *Cyathodium africanum*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 37. *Journal of Bryology* **35**: 293-294.
- 2379 **Phephu, N. & van Rooy, J 2011.** Note on the occurrence of *Metzgeria saxbyi* in southern Africa. *Journal of Bryology* **33**: 85.
- 2669 **Phephu, N. & van Rooy, J. 2013.** Studies in the liverwort family Metzgeriaceae (Metzgeriales) from southern Africa. 1. *Metzgeria nudifrons* Stephani and a key to the species. *Polish Botanical Journal* **58**: 449-455.
- 2770 **Phephu, N. & van Rooy, J. 2014.** Studies in the liverwort family Metzgeriaceae (Metzgeriales) from southern Africa. 2. The African species. *Telopea* **17**: 311-318.
- 2940 **Phephu, N. & van Rooy, J. 2015.** Studies in the liverwort family Metzgeriaceae (Metzgeriales) from southern Africa. 3. The widespread species of Metzgeria. *Telopea* **18**: 177-184.
- 582 **Piippo, S. 1986.** A monograph of the genera *Lepidolejeunea* and *Luteolejeunea* (Lejeuneaceae: Hepaticae). *Acta Botanica Fennica* **132**: 1-69.
- 424 **Piippo, S. 1991.** Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXIX. *Fossombronia* (Fossombroniaceae) and *Metzgeria* (Metzgeriaceae, Hepaticae). *Acta Botanica Fennica* **143**: 1-22.
- 657 **Piippo, S. 1993.** Bryophyte Flora of the Huon Peninsula, Papua New Guinea. LIV. Anthocerophyta. *Acta Botanica Fennica* **148**: 27-51.
- 378 **Pócs, T. 1975.** New or little-known epiphyllous liverworts I. *Cololejeunea* from tropical Africa. *Acta Botanica Academiae Scientiarum Hungaricae* **21**: 353-375.
- 380 **Pócs, T. 1976.** Correlations between the tropical African and Asian bryofloras. *Journal of the Hattori Botanical Laboratory* **41**: 95-106.
- 545 **Pócs, T. 1978.** Epiphyllous communities and their distribution in East Africa. *Bryophytorum Bibliotheca* **13**: 681-713.
- 382 **Pócs, T. 1984a.** Synopsis of the African Lepidoziaceae, in J. Váňa. (ed.) *Proceedings of the third meeting of bryologists from central and east Europe, 14th - 18th June 1982*, pp. 107-119, Praha.
- 383 **Pócs, T. 1984b.** New or little known epiphyllous liverworts, III. The genus *Aphanolejeunea* Evans in tropical Africa. *Cryptogamie, Bryologie Lichénologie* **5**: 239-267.
- 384 **Pócs, T. 1984c.** Present knowledge of *Aphanolejeunea*. *Journal of the Hattori Botanical Laboratory* **55**: 307-313.
- 915 **Pócs, T. 1993a.** New or little known epiphyllous liverworts, IV. Two new Cololejeuneoideae from the Comoro Archipelago. *Journal of the Hattori Botanical Laboratory* **74**: 45-57.
- 969 **Pócs, T. 1993b.** Taxonomic results of the BRYOTROP Expedition to Zaire and Rwanda. 12. Metzgeriaceae, Plagiochilaceae, Lejeuneaceae (the non-epiphyllous collections). *Tropical Bryology* **8**: 105-126.
- 659 **Pócs, T. 1994a.** The altitudinal distribution of Kilimanjaro bryophytes. In: J. H. Seyani & A. C. Chikuni, Proceedings of the 13th. Plenary Meeting, AETFAT, Malawi, 2: 797-812.
- 889 **Pócs, T. 1994b.** Taxonomic Results of the BRYOTROP Expedition to Zaire and Rwanda. 27. Lepidoziaceae, II. *Tropical Bryology* **9**: 123-130.
- 1107 **Pócs, T. 1994c.** Taxonomic Results of the BRYOTROP Expedition to Zaire and Rwanda. 28. Lejeuneaceae, a ramicolous collection. *Tropical Bryology* **9**: 131-136.
- 1002 **Pócs, T. 1994d.** East African Bryophytes, XIII. Bryophytes from the Bale Mountains, S.E. Ethiopia. 2. Hepaticae. *Fragmenta Floristica et Geobotanica* **39**: 221-233.
- 4 **Pócs, T. 1995.** East African Bryophytes, XIV. Hepaticae from the Indian Ocean Islands. *Fragmenta Floristica et Geobotanica* **40**: 251-277.
- 6 **Pócs, T. 1997.** New or little known epiphyllous liverworts, VII. Two new Lejeuneaceae species from the Mascarene islands. *Cryptogamie, Bryologie Lichénologie* **18**: 195-205.
- 129 **Pócs, T. 1999a.** Bryophyte speciation and diversity in the East African mountains. *Bryobrothera* **5**: 237-245.
- 5 **Pócs, T. 1999b.** *Trachylejeunea grolleana*, a new representative of the Neotropical subgenus *Hygrolejeuneopsis* in Madagascar. *Haussknechtia Beiheft* **9**: 283-290.

- 709 Pócs, T. 2001. East African Bryophytes, XVI. New taxa of Lejeuneoideae (Lejeuneaceae) collected in Manongarivo Special Reserve, NW Madagascar. *Candollea* **56**: 69-78.
- 736 Pócs, T. 2002a. *Cololejeunea attilana* sp. nov. from Tanzania (East African Bryophytes, XVII), In: Salamon-Albert Éva (szerk.). 2002. *Magyar Botanikai Kutatások az Ezredfordulón Tanumányok Borhidi Attila 70. Szálethesnapia Ti-szteleteré*.
- 738 Pócs, T. 2002b. East African Bryophytes, XVIII. Two new Lejeuneaceae (Hepaticae) from the Aberdare Mountains, Kenya. *Polish Botanical Journal* **47**: 11-20.
- 1885 Pócs, T. 2004. New or little known epiphyllous liverworts, XI. *Otolejeunea subana* sp. nov. from Madagascar. *Acta Academia Paedagogica Agriensis, Sect. Biologica* **25**: 49-57.
- 1920 Pócs, T. 2005. East African Bryophytes, XX. Observations on some Calypogeiaceae. *Acta Academiae Paedagogicae Agriensis, Sect. Biol. n.s.* **32**: 29-35.
- 1744 Pócs, T. 2006a. East African Bryophytes, XXI. Two new species of *Telaranea*, sect. *Tenuifoliae* and records on *Ama-zoopsis* (Lepidoziaceae) from the Indian Ocean Islands. *Acta Botanica Hungarica* **48**: 119-137.
- 1804 Pócs, T. 2006b. East African Bryophytes, XXII. Two new species, *Plagiochila artsii* and *Plagiochila hiroshiana* (Plagiochilaceae, Marchantiophyta). *Journal of the Hattori Botanical Laboratory* **100**: 333-350.
- 2143 Pócs, T. 2008. British Bryological Society expedition to Mulanje Mountain, Malawi. 19. Metzgeriaceae and other unpublished records. *Tropical Bryology* **29**: 1-3.
- 2365 Pócs, T. 2010a. On some less known *Lejeunea* (Lejeuneaceae, Jungermanniopsida) species in tropical Africa. East African Bryophytes, XXVII. *Nova Hedwigia, Beihefte* **138**: 99-116.
- 2366 Pócs, T. 2010b. East African Bryophytes, XXVI. New records from Mayotte (Moare) Island (French Comoro). *Acta Bryolichenologica Asiatica* **3**: 105-113.
- 2388 Pócs, T. 2010c. *Bazzania orbanii* (Lepidoziaceae), a new species from Madagascar. East African Bryophytes, XXVIII. *Acta Academiae Plantarum Agriensis* **1**: 15-22.
- 2385 Pócs, T. 2010d. What is *Cladolejeunea* Zwickel? New or little known epiphyllous liverworts, XV. *Acta Academiae Plantarum Agriensis* **1**: 53-62.
- 2363 Pócs, T. 2011a. Type studies of some African Lejeuneaceae. *Acta botanica hungarica* **53**: 181-192.
- 2398 Pócs, T. 2011b. New or little known epiphyllous liverworts, XIV. The genus *Colura* (Lejeuneaceae) in São Tomé Island, with the description of *Colura thomeensis* sp. nov. *The Bryologist* **114**: 362-366.
- 2499 Pócs, T. 2011c. East African Bryophytes XXIX. The *Ceratolejeunea* (Lejeuneaceae) species of the Indian Ocean Islands. *Polish Botanical Journal* **56**: 131-153.
- 2730 Pócs, T. 2015. Validation of *Plagiochila fracta* nomen nudum (Jungermanniopsida). East Africa Bryophytes XXXI. *Phytotaxa* **195**: 183-187.
- 3077 Pócs, T. 2017. New or little known epiphyllous liverworts, XXI. *Radula camerunensis* sp. nov. (Radulaceae, Jungermanniopsida). *Studia botanica hungarica* **48**: 21-32.
- 2375 Pócs, T. & Bernecker, A. 2009. Overview of *Aphanolejeunea* (Jungermanniopsida) after 25 years. *Polish Botanical Journal* **54**: 1-11.
- 3107 Pócs, T., Callaghan, D.A., Reeb, C. & Anndriamiarisoa, R.L. 2018. *Microlejeunea strasbergii*, In: New national and regional bryophyte records, 55. *Journal of Bryology* **40**: 179.
- 720 Pócs, T. & Geissler, P. 2002. The bryophytes collected in the Réserve Spéciale de Manongarivo, Madagascar, In: L. Gautier & S.M. Goodman (eds.), Inventaire floristique et faunistique de la Réserve Spéciale de Manongarivo, (NW Madagascar). *Boissiera* **59**: 41-76.
- 117 Pócs, T. & Lücking, A. 1996. The genus *Aphanolejeunea* A.Evans in the Guianas. Abstract: Symposium über Botanische Systematik und Pflanzengeographie der Friedrich-Schiller-Universität. 9-12 Oktober, Jena.
- 2066 Pócs, T. & Luke, Q. 2007. East African Bryophytes, XXV. Bryological records from the Chyulu Range, Kenya. *Journal of East African Natural History* **96**: 27-46.
- 42 Pócs, T. & Lye, K. 1999. New records and additions to the hepatic flora of Uganda. 2. *Tropical Bryology* **17**: 23-33.
- 2750 Pócs, T., Müller, F. & Shevock, J.R. 2015. Additions to the liverwort and hornwort flora of São Tomé & Príncipe 2, with *Neurolejeunea*, a genus new to Africa. *Herzogia* **28**: 50-69.
- 2965 Pócs' T, Ochyra, R. & Bednarek-Ochyra, H. 2016. *Lepidozia cupressina* (Marchantiopsida, Lepidoziaceae) in sub-Saharan Africa, with a note on the taxonomic status of *L. chordulifera*. *Cryptogamie, Bryologie* **37**: 125-147.
- 2752 Pócs, T. & Pippko, S. 2011. Bryophyte Flora of the Huon Peninsula, Papua New Guinea. LXXIV. *Cololejeunea* (Lejeuneaceae, Hepaticae). *Acta Bryolichenologica Asiatica* **4**: 59-137.
- 2107 Pócs, T., Pócs, S., Chuah-Petiot, M.S., Malombe, I. & Masinde, S. 2007. East African Bryophytes, XXIV. Records from the dry lands of Kenya, with a description of *Didymodon revolutus* var. nov. *africanus* (Pottiaceae). *Lindbergia* **32**: 33-39.
- 1715 Pócs, T. & Sass-Gyarmati, A. 2006. New or little known epiphyllous liverworts, XII. *Archilejeunea helena* Pócs & Gyarmati, sp. nov. *Cryptogamie, Bryologie* **27**: 103-109.
- 1893 Pócs, T. & Schäfer-Verwimp, A. 2006. East African Bryophytes, XXIII. Three new species of *Diplasiolejeunea* (Lejeuneaceae, Jungermanniopsida) from Madagascar. *Cryptogamie, Bryologie* **27**: 439-452.
- 103 Pócs, T. & Streimann, H. 1999. Epiphyllous liverworts from Queensland, Australia. *Bryobrothera* **5**: 165-172.
- 108 Pócs, T. & Tóthmérész, B. 1997. Folicolous bryophyte diversity in tropical rainforests. *Abstracta Botanica* **21**: 135-144.
- 712 Pócs, T. & Váňa, J. 2001. A new species of *Amphicephalozia* (Hepaticae) from Madagascar. *Polish Botanical Journal* **46**: 145-150.
- 2785 Pócs, T. & Váňa, J. 2015. East African Bryophytes XXX. *Acta Biologica Plantarum Agriensis* **3**: 3-21.
- 2701 Pócs, T., Zhu R-L., Söderström, L., Hagborg, A., von Konrat, M.J. 2015a. Notes on Early Land Plants Today. 67. Notes on Lejeuneaceae subtribus Cololejeuneinae. *Phytotaxa* **202**: 63-68.

- 2789 Pócs, T., Zhu, R-L., Reiner-Drehwald, M.E., Söderström, L., Hagborg, A. & von Konrat, M.J. 2015b. Notes on Early Land Plants Today. 71. New synonyms, new names and new combinations in Lejeuneaceae (Marchantiophyta). *Phytotaxa* **208**: 097-102.
- 110 Porley, R.D. 1997. British Bryological Society Expedition to Mulanje Mountain, Malawi. 8. Lejeuneaceae: *Colura*. *Journal of Bryology* **19**: 799-803.
- 50 Porley, R.D., O'Shea, B.J., Wigginton, M.J., Matcham, H.W., Hodgetts, N.G. & Stevenson, C.R. 1999. Bryophytes of Uganda. 2. New and interesting records. *Tropical Bryology* **16**: 179-193.
- 3065 Pressel, S., Supple, C., Matcham, H.W. & Duckett, J.G. 2018. Mosses, Liverworts and Hornworts of Ascension Island. Newbury: Pisces Publications.
- 683 Proskauer, J. 1954. European Anthocerotaceae. *Rapports et Communications, VIII Congrès International de Botanique Paris*, xiv-xvi: 68-69.
- 2489 Proskauer, J. 1960. Studies on Anthocerotales, VI. *Phytomorphology* **10**: 1-19.
- 1034 Proskauer, J. 1961. Our Corpus and Carrpos. *Taxon* **10**: 155-156.
- 3036 Rabeau, L., Gradstein, S.R., Dubuisson, J-Y., Nebel, M., Quandt, D. & Reeb, C. 2017. New insights into the physiology and relationships within the worldwide genus *Riccardia* (Aneuraceae, Marchantiophytina). *European Journal of Taxonomy* **273**: 1-26.
- 3079 Reeb C., Andriamiarisoa, R.L. & Gradstein, S.R. 2017. *Calycularia crispula* Mitt., In: L.T.Ellis, et al., New national and regional bryophyte records, 53. *Journal of Bryology* **39**: 371.
- 2663 Reeb, C. & Bardat, J. 2014. Studies on African *Riccardia* types and related material. *Cryptogamie, Bryologie* **35**: 47-75.
- 2946 Renauld, F. & Cardot, J. 1893. Musci exotici novi vel minus cogniti IV. Bulletin de la Société Royale de Botanique de Belgique **32**(2): 8-40 (: 79-111).
- 936 Reiner-Drehwald, M.E. 1994. Las Lejeuneaceae (Hepaticae) de Misiones, Argentina. II. *Cololejeunea*. *Tropical Bryology* **9**: 79-88.
- 168 Reiner-Drehwald, M.E. 2000. Las Lejeuneaceae (Hepaticae) de Misiones, Argentina. VI. *Lejeunea y Taxilejeunea*. *Tropical Bryology* **19**: 81-131.
- 2326 Reiner-Drehwald, M.E. 2009. *Lejeunea adpressa* Nees (Lejeuneaceae), a widely distributed species of tropical America. *Cryptogamie, Bryologie* **30**: 329-336.
- 2265 Reiner-Drehwald, M.E. & Schäfer-Verwimp, A. 2008. On *Inflatolejeunea*, *Lejeunea* species with epilicate perianths and *Lejeunea talamanicensis* sp. nov. from Costa Rica (Lejeuneaceae). *Nova Hedwigia* **87**: 387-420.
- 3086 Renner, M.A.M., Devos, Brown, E.A. & von Konrat, M.J. 2013. Three modes of heterochrony explain lobule diversity in *Radula* subgenus *Cladoradula* (Porellales: Jungermanniopsida), a small lineage of early land plants today. *Botanical Journal of the Linnean Society* **173**: 153-175.
- 2967 Rooy, J. van. 2014. *Dumortiera hirsuta*. In: L.T. Ellis et al., New national and regional bryophyte records. 39. *Journal of Bryology* **36**: 139-140.
- 3056 Rooy, L. van & Phephu, N. 2011. *Riccia albolimbata*. In: Ellis, L.T. et al., New national and regional bryophyte records, 27. *Journal of Bryology* **33**: 160-161.
- 3 Ros, R.M., Cano, M.J. & Guerra, J. 1999. Bryophyte checklist of Northern Africa. *Journal of Bryology* **21**: 207-244.
- 2883 Rubasinghe, S.C.K. 2011. *Phylogeny and taxonomy of the complex thalloid liverwort family Cleveaceae* Cavers. PhD thesis. University of Edinburgh.
- 2404 Rubasinghe, S.C.K., Milne, R., Forrest, L.L. & Long, D.G. 2011. Realignment of the genera of Cleveaceae (Marchantiophyta: Marchantiidae). *The Bryologist* **114**: 116-127.
- 3106 Russell, S. & van Rooy, J. 1988. The bryoflora of Namibia. *Monographs in systematic botany from the Missouri Botanical Garden* **25**: 453-460.
- 708 Sass-Gyarmati, A. 2001. *Lopholejeunea leioptera* Gyarmati (Lejeuneaceae, subfam. Ptychanthoideae), une nouvelle espèce récoltée dans la Réserve Spéciale de Manongarivo (Nord-Ouest de Madagascar). *Candollea* **56**: 79-83.
- 713 Sass-Gyarmati, A. & Pócs, T. 2002. A second species of *Symbiezidium* from Africa. *Cryptogamie, Bryologie* **23**: 31-39.
- 3040 Sass-Gyarmati, A. 2017. *Bazzania konratiana* sp. nov. (Marchantiophyta: Lepidoziaceae) from Madagascar. *Cryptogamie, Bryologie* **38**: 119-124.
- 2331 Schäfer-Verwimp, A. & Reiner-Drehwald, M.E. 2009. Some additions to the bryophyte flora of Guadeloupe, West Indies, and new synonyms in the genera *Diplasiolejeunea* and *Lejeunea* (Lejeuneaceae). *Cryptogamie, Bryologie* **30**: 357-375.
- 1105 Schiffner, V. 1895. Hepaticae, In: A. Engler & K. Prantl, *Die Natürlichen Pflanzenfamilien*. Leipzig: Engelmann.
- 1005 Schiffner, V. 1896. Kritische Bemerkungen über *Marchantia berteroana* Lehm. et Ldbg. und *Marchantia tabularis* N. ab E. Österreichische Botanische Zeitschrift **46**: 41-44, 100-103.
- 916 Schiffner, V. 1898. *Conspectus Hepaticarum Archipelagi Indici*, p. 1-382. Batavia.
- 401 Schiffner, V. 1942. Monographie der Gattung *Exormotheca* Mitten. *Hedwigia* **81**: 40-74.
- 2715 Schill, D.B. 2006. *Taxonomy and phylogeny of the liverwort genus Mannia* (Aytoniaceae, Marchantiophyta). PhD dissertation, University of Edinburgh.
- 100 Schmitt, U. & Winkler, S. 1968. Systematische Untersuchungen über die foliöse Lebermoosgattung *Stephaniella*. *Österreichische Botanische Zeitschrift* **115**: 120-133.
- 2733 Schuster, R.M. 1955. North American Lejeuneaceae. III. *Cololejeunea*, section *Minutissimae*. *Journal of the Elisha Mitchell Scientific Society* **71**: 218-247.
- 1033 Schuster, R.M. 1962. North American Lejeuneaceae VIII. *Lejeunea*, subgenera *Microlejeunea* and *Chaetolejeunea*. *Journal of the Hattori Botanical Laboratory* **25**: 1-80.
- 912 Schuster, R.M. 1963. An annotated synopsis of the genera and subgenera of Lejeuneaceae. I. Introduction; annotated keys to subfamilies and genera. *Beihefte zur Nova Hedwigia* **9**: 1-203.

- 942 **Schuster, R.M.** 1966a. *The Hepaticae and Anthocerotae of North America, Volume I.* New York: Columbia University Press.
- 429 **Schuster, R.M.** 1966b. Studies in Lophoziaceae. 1. The genera *Anastrophyllum* and *Sphenolobus* and their segregates. 2. *Cephalobus* gen. n., *Acrolophozia* gen. n. and *Protomarsupella* gen. n. *Revue Bryologique et Lichénologique* 34: 240-287.
- 844 **Schuster, R.M.** 1969a. Studies on Hepaticae XLVI-XLVII. On *Alobiella* (Spr.) Schiffn. and *Alobiellopsis* Schust. *Bulletin on the National Science Museum, Tokyo* 12: 659-683.
- 943 **Schuster, R.M.** 1969b. *The Hepaticae and Anthocerotae of North America. Volume II.* New York: Columbia University Press.
- 615 **Schuster, R.M.** 1973. Studies on Cephaloziellaceae. *Nova Hedwigia* 22: 121-266c. "1972". [published 22 Jan 1973].
- 944 **Schuster, R.M.** 1974. *The Hepaticae and Anthocerotae of North America, Volume III.* New York: Columbia University Press.
- 430 **Schuster, R.M.** 1980a. *The Hepaticae and Anthocerotae of North America. Volume IV.* Columbia University Press.
- 1040 **Schuster, R.M.** 1980b. New combinations and taxa of hepaticae. *Phytologia* 45: 415-437.
- 945 **Schuster, R.M.** 1992a. *The Hepaticae and Anthocerotae of North America. Volume V.* Chicago: Field Museum of Natural History.
- 141 **Schuster, R.M.** 1992b. *The Hepaticae and Anthocerotae of North America. Volume VI.* Chicago: Field Museum of Natural History.
- 118 **Schuster, R.M.** 1995a. Phylogenetic and taxonomic studies of Jungermanniidae, III. Calypogeiacae. *Fragmenta Floristica et Geobotanica* 40: 825-888.
- 164 **Schuster, R.M.** 1995b. The hepaticae of the Prince Edward Islands, II. On *Gymnocoleopsis* (Schust.) Schust., *Lophozia cylindriformis* (Mitt.) Steph. and the subgeneric classification of the genus *Lophozia* Dumort. *Journal of the Hattori Botanical Laboratory* 78: 119-135.
- 153 **Schuster, R.M.** 1996. Studies on Antipodal Hepaticae. XII. Gymnomitriaceae. *Journal of the Hattori Botanical Laboratory* 80: 1-147.
- 504 **Schuster, R.M.** 2000. Austral Hepaticae, Part I. *Nova Hedwigia Beiheft* 118: viii, 1-524.
- 779 **Schuster, R.M.** 2002a. Austral Hepaticae, Part II. *Nova Hedwigia Beiheft* 119: viii, 1-606.
- 780 **Schuster, R.M.** 2002b. Revisionary studies of the Chandonanthoideae (Jungermanniales, Jungermanniaceae). *Nova Hedwigia* 74: 465-496.
- 1852 **Schuster, R.M.** 2006. Studies on Lejeuneaceae. V. On *Leucoblejeunea* and allies. *Journal of the Hattori Botanical Laboratory* 100: 361-406.
- 107 **Scott, E.B.** 1960. A monograph of the genus *Lepicolea* (Hepaticae). *Nova Hedwigia* 2: 129-172, Plates 10-19.
- 1045 **Scott, G.A.M. & Pike, D.C.** 1988. Revisionary notes on *Fossombronia*. *Bryologist* 91: 193-201.
- 34 **Seaward, M.R.D., Hamblen, C. & Aptroot, A.** 1996. Bryophytes and Lichens of Aldabra. *Tropical Bryology* 12: 29-33.
- 1760 **Seaward, M.R.D., Ellis, L.T., Pócs, T. & Wigginton, M.J.** 2006. Bryophyte flora of the Chagos Archipelago. *Journal of Bryology* 26: 11-19.
- 947 **Sérgio, C.** 1987. Contribuição para o estudo taxonómico e fitogeográfico de *Anthoceros caucasicus* Steph. na península Ibérica e Macaronésia. *Actas del VI Simposio National de Botánica Criptogámica* 605-614.
- 1026 **Sérgio, C.** 1992. *Riccia macrocarpa* Levier na península Ibérica e Macaronésia. *Actas del Simposio Internacional de Botánica Puis Font i Quer.* (1988) 1: 223-227.
- 2684 **Sérgio, C. & Garcia, C.** 2011. Bryophyte flora of São Tomé e Príncipe Archipelago (West Africa): annotated catalogue. *Cryptogramme, Bryologie* 32: 145-196.
- 3051 **Sérgio, C. & Garcia, C.** 2012. *Riccia moenkemeyeri*. In: L.T. Ellis et al., New national and regional bryophyte records. 30. *Journal of Bryology* 34: 48.
- 3053 **Sérgio, C. & Melo, I.** 2015. *Riccia atromarginata*, *R. crinita*, *R. macrocarpa*. In: L.T. Ellis et al., New national and regional bryophyte records, 44. *Journal of Bryology* 37: 233.
- 2799 **Shaw, B., Crandall-Stotler, B., Váňa, J., Stotler, R.E., von Konrat, M., Engel, J.J., Davis, E.C., Long, D.G., Sova, P. & Shaw, J.A.** 2015. Phylogenetic relationships and morphological evolution in a major clade of leafy liverworts (Phylum Marchantiophyta, Order Jungermanniales): Suborder Jungermanniineae. *Systematic Botany* 40: 27-45.
- 2722 **Shi, X.-Q., Gradstein, S.R. & Zhu, R.-L.** 2015a. Type studies on *Archilejeunea* (Lejeuneaceae, Marchantiophyta): five new synonyms and a new combination. *Phytologia* 195: 248-250.
- 2853 **Shi, X.-Q., Gradstein, S.R. & Zhu, R.-L.** 2015b. Phylogeny and taxonomy of *Archilejeunea* (Spruce) Steph. (Lejeuneaceae subfam. Ptychanthoideae, Marchantiophyta) based on molecular markers and morphology. *Taxon* 64: 881-892.
- 2849 **Shi, X.-Q. & Zhu, R.-L.** 2015. A revision of *Archilejeunea* s.str. (Lejeuneaceae, Marchantiophyta). *Nova Hedwigia* 100: 589-601.
- 2905 **Shu, L., Cheng, X.-F., Daniels, A.E.D., Yong, K.-T. & Zhu, R.L.** 2015. Taxonomy and distribution of *Cheilolejeunea larsenii* Mizut. (Marchantiophyta, Lejeuneaceae), with special reference to three new synonyms. *Journal of Bryology* 37: 297-303.
- 894 **Sim, T.R.** 1926. The Bryophyta of South Africa. *Transactions of the Royal Society of South Africa* 15: 1-475.
- 975 **Smith, A.J.E.** 1990. *The liverworts of Britain and Ireland.* Cambridge: Cambridge University Press.
- 729 **So, M.L.** 2002. *Metzgeria* in Australasia and the Pacific. *New Zealand Journal of Botany* 40: 603-627.
- 771 **So, M.L.** 2003. The genus *Metzgeria* (Hepaticae) in Asia. *Journal of the Hattori Botanical Laboratory* 94: 159-177.
- 767 **So, M.L.** 2004. *Metzgeria* (Marchantiophyta) in Africa. *New Zealand Journal of Botany* 42: 271-292.
- 1676 **So, M.L.** 2005. A synopsis of *Radula* (Radulaceae, Marchantiophyta) in New Zealand and Tasmania. *Journal of the Hattori Botanical Laboratory* 98: 149-174.
- 2931 **Söderström, L., Barrie, F.R., Hagborg, A., Crandall-Stotler, B.J., Gradstein, S.R., Stotler, R.E. & von Konrat, M.** 2015. Notes on Early Land Plants Today. 73. Genera of Lejeuneaceae established in the period 1884-1893: dates of validation and implications. *Phytotaxa* 220: 143-198.

- 2718 Söderström, L., Crandall-Stotler, B., Stotler, R., Váňa, J., Hagborg, A. & von Konrat, M.J. 2013. Notes on Early Land Plants Today. 36. Generic treatment of Lophocoleaceae (Marchantiophyta). *Phytotaxa* **97**: 36-43.
- 2471 Söderström, L., Gradstein, S.R., Hagborg, A. 2010. Checklist of the hornworts and liverworts of Java. *Phytotaxa* **9**: 53–149.
- 2653 Söderström, L., Hagborg, A., von Konrat, M.J. and 38 other authors. 2016. World Checklist of Hornworts and Liverworts. *PhytoKeys* **59**: 1-828.
- 3054 Söderström, L. & Pócs, T. 2011. *Cololejeunea distalopapillata*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 28. *Journal of Bryology* **33**: 240-241.
- 2549 Söderström, L., Váňa, J., Hagborg, A. & von Konrat, M.J. 2013a. Notes on Early Land Plants Today. 31. *Lopho-nardia* replaces *Hypolophozia* (Cephaloziellaceae, Marchantiophyta). *Phytotaxa* **81**: 19-21.
- 2652 Söderström, L., Váňa, J., Crandall-Stotler, B., Stotler, R.E., Hagborg, A. & von Konrat, M.J. 2013b. Notes on Early Land Plants Today. 43. New combinations in Lophocoleaceae (Marchantiophyta). *Phytotaxa* **112**: 18-32.
- 119 Srivastava, S.C. & Dixit, R. 1996. The genus *Cyathodium* Kunze. *Journal of the Hattori Botanical Laboratory* **80**: 149-215.
- 2195 Steel, S.-L.K., Steel, J.B. & Wilson, J.B. 2006. *Lunularia cruciata* (L.) Dum.: a new hepatic record from Botswana. *Botswana Notes and Records* **36**: 146-147.
- 1998 Steiperære, H. & Matcham, H.W. 2007. *Notothylas orbicularis* (Schwein.) Sull. in D.R.Congo and Uganda, new to Africa and *N. javanica* (Sande Lac.) Gottsche new to D.R. Congo (Anthocerotophyta, Notothyladaceae). *Journal of Bryology* **29**: 3-6.
- 128 Stephani, F. 1888. Hepaticae africanae. *Hedwigia* **27**: 106-113.
- 2819 Stephani, F. 1898. Species hepaticarum **1**: 1-96. George & Cie, Genève & Bale.
- 144 Stephani, F. 1891a. Hepaticae africanae. *Hedwigia* **30**: 201-217, 265-272.
- 137 Stephani, F. 1893. Hepaticarum species novae. I. *Hedwigia* **32**: 17-29; 137-147; 204-215; 315-327.
- 2058 Stephani, F. 1894. Hepaticarum species novae. V-VI. *Hedwigia* **33**: 1-11.
- 159 Stephani, F. 1895a. Hepaticae africanae. *Botanisches Jahrbuch für Systematik* **20**: 299-321.
- 2944 Stephani, F. 1895b. Hepaticae, in: D.A.Engler, *Die Pflanzenwelt Öst-Afrikas und der Nachbargebiete*. Theil c: 62-66.
- 2364 Stephani, F. 1896. Hepaticarum Species Novae IX. *Hedwigia* **35**: 73-140.
- 2059 Stephani, F. 1901a. Hepaticae, In: W.P.Hiern (ed.), *Catalogue of African Plants collected by Dr. Friedrich Welwitsch in 1853-61. Vol. II, Part II. Cryptogamia*. London: British Museum (Natural History).
- 2818 Stephani F. 1901b. Hepaticae, pp. 260-261, In: A. Engler, Beiträge zur flora von Afrika XXII. Berichte über die botanischen Ergebnisse der Nyassa-See-und-Kinga-Gebergs-Expedition der Hermann- und Elise- geb. Heckmann-Wentzel-Stiftung. *Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie* **30** (2): 239-445.
- 2823 Stephani, F. 1902. Species hepaticarum **2**: 149-277. George & Cie, Genève & Bale.
- 2825 Stephani, F. 1904. Species hepaticarum **2**: 405-502. George & Cie, Genève & Bale.
- 2828 Stephani, F. 1904. Species hepaticarum **3**: 17-160. George & Cie, Genève & Bale.
- 2829 Stephani, F. 1907. Species hepaticarum **3**: 161-240. George & Cie, Genève & Bale.
- 2830 Stephani, F. 1908. Species hepaticarum **3**: 241-693. George & Cie, Genève & Bale.
- 2832 Stephani, F. 1910. Species hepaticarum **4**: 97-448. George & Cie, Genève & Bale.
- 2816 Stephani, F. 1911a. Hepaticae. In: J. Mildbraed, Wissenschaftliche Ergebnisse der Deutschen Zentral-Afrika-Expedition 1907-1908. Leipzig.
- 2833 Stephani, F. 1911b. Species hepaticarum **4**: 449-752. George & Cie, Genève & Bale.
- 2834 Stephani, F. 1912a. Species hepaticarum **4**: 753-824. George & Cie, Genève & Bale.
- 2835 Stephani, F. 1912b. Species hepaticarum **5**: 1-176. George & Cie, Genève & Bale.
- 1455 Stephani, F. 1912c. Hepaticae, In: M. L. Corbière, Nouvelles muscinées de l'Afrique tropicale, recueillies par M. Aug. Chevalier au cours des Missions scientifiques en Afrique occidentales (1898-1900) et la mission Chari - Lac Tchad (1902-1904). *Bulletin du Muséum national de l'histoire naturelle, Paris* **18**: 108-121.
- 138 Stephani, F. 1912d. Hepaticae, In: Schröder, Zellpflanzen Ostafrikas, gesammelt auf der Akademischen Studienfahrt 1910. *Hedwigia* **52**: 304-307.
- 1150 Stephani, F. 1913a. Hepaticae, In: J. Brunnthaler, Ergebnisse einer botanischen Forschungsreise nach Deutsch-Ostafrika und Süd-Afrika (Kapland, Natal und Rhodesia). Teil 1. *Denkschriften der kaiserlichen Akademie der Wissenschaften Mathematisch-Naturwissenschaftliche Klasse Wien* **88**: 724-733.
- 2836 Stephani, F. 1913b. Species hepaticarum **5**: 177-448. George & Cie, Genève & Bale.
- 2837 Stephani, F. 1914. Species hepaticarum **5**: 449-704. George & Cie, Genève & Bale.
- 2838 Stephani, F. 1915. Species hepaticarum **5**: 705-832. George & Cie, Genève & Bale.
- 2839 Stephani, F. 1916. Species hepaticarum **5**: 833-1008. George & Cie, Genève & Bale.
- 2841 Stephani, F. 1917. Species hepaticarum **6**: 1-128. George & Cie, Genève & Bale.
- 2842 Stephani, F. 1918. Species hepaticarum **6**: 129-240. George & Cie, Genève & Bale.
- 2843 Stephani, F. 1922. Species hepaticarum **6**: 241-368. George & Cie, Genève & Bale.
- 2844 Stephani, F. 1923. Species hepaticarum **6**: 369-432. George & Cie, Genève & Bale.
- 479 Stotler, R.E., Bray, J.R., Cargill, D.C., Krayesky, D & Crandall-Stotler, B.J. 2003. Typifications in the genus *Fos-sombronia* (Marchantiophyta). *Bryologist* **106**: 130-142. T1599.
- 1878 Stotler, R.E. & Crandall-Stotler, B. 2005. A revised classification of the Anthocerotophyta and a checklist of the hornworts of North America, north of Mexico. *Bryologist* **108**: 16-26.
- 1879 Stotler, R., Doyle, W.T. & Crandall-Stotler, B. 2005. *Phymatoceros* Stotler, W.T.Doyle & Crand.-Stotl., gen. nov. (Anthocerotophyta). *Phytologia* **87**: 113-116.
- 890 Stotler, R.E. , & Crandall-Stotler, B., 1974. A monograph of the genus *Bryopteris*. *Bryophytorum Bibliotheca* **3**: 1-159.
- 2731 Sukkharak, P. 2015. A systematic monograph of the genus *Thysananthus* (Lejeuneaceae, Marchantiophyta). *Phytotaxa* **193**: 001-081.

- 2798 **Sukkharak, P. & Gradstein, S.R.** 2014. A taxonomic revision of the genus *Mastigolejeunea* (Marchantiophyta: Lejeuneaceae). *Nova Hedwigia* **99**: 279–345.
- 3068 **Sukkharak, P. & Gradstein, S.R.** 2017. Phylogenetic study of *Mastigolejeunea* (Marchantiophyta: Lejeuneaceae) and an amended circumscription of the genus *Thysananthus*. *Phytotaxa* **326**: 91-107.
- 2863 **Szabó, A. & Pócs, T.** 2015. New or little known epiphyllous liverworts, XX. *Cololejeunea nosykombae* sp. nov. from Madagascar. *Journal of Bryology* **38**: 302-307.
- 837 **Teeuwen, M.** 1989. A revision of the genus *Odontolejeunea* (Spruce) Schiffn. (Lejeuneaceae: Hepaticae). *Nova Hedwigia* **32**: 607-622.
- 977 **Thiers, B.M.** 1983. Type studies in the Lejeuneaceae. II. *Pteryganthus*, a new subgenus of *Lopholejeunea*. *Brittonia* **35**: 81-86.
- 893 **Thiers, B.M.** 1984. Studies in Lejeuneaceae, III. *Lopholejeunea erugata*, a new name for *Ptychocoleus inermis*. *Brittonia* **36**: 174-177.
- 1012 **Thiers, B.M.** 1993. A monograph of *Pleurozia* (Hepaticae; Pleuroziaceae). *Bryologist* **96**: 517-554.
- 578 **Thiers, B.M. & Gradstein, S.R.** 1989. Lejeuneaceae (Hepaticae) of Australia. I. Subfamily Ptychanthoideae. *Memoirs of the New York Botanical Garden* **52**: 1-79.
- 2661 **Tixier, P.** 1975. Contribution à l'étude de l'hépaticologie africaine. I. Récoltes en bordure du Golfe de Guinée (Cameroun et Gabon). *Annales de la Faculté des Sciences de Yaoundé* **20**: 3-10.
- 2805 **Tixier, P.** 1976. La notion d'espèce chez le genre *Cololejeunea*. Une espèce circumtropicale: *Cololejeunea filicaulis* St. *Revue bryologique et Lichénologique* **41**: 465-472.
- 26 **Tixier, P.** 1977. Espèces nouvelles malgaches du genre *Diplasiolejeunea* (Spruce) Schiffn. (Hepaticae). *Lindbergia* **4**: 117-125.
- 152 **Tixier, P.** 1979a. La famille des Cololejeunoïdeae (Grolle) dans l'Océan Indien Occidental - Essai monographique. *Bulletin de l'Academie Malgache* **55**(1-2): 173-247.
- 913 **Tixier, P.** 1979b. Contribution à l'étude du genre *Cololejeunea*. Les Cololejeunoïdées de Nouvelle Calédonie. Essai monographique. *Nova Hedwigia* **31**: 721-787.
- 2813 **Tixier, P.** 1979c. Nouvelles espèces Malgaches de *Diplasiolejeunea* (Diplasiae). *Revue bryologique et lichenologique* **45**: 209-226.
- 101 **Tixier, P.** 1983. Bryophyta Exotica. VII. Les Montagnes du Togo. Compléments bryologiques. *Annales de l'Université d'Abidjan, sér. C (Sciences)* **19**: 321-326.
- 941 **Tixier, P.** 1984. Contribution à l'étude du genre *Diplasiolejeunea* (Spruce) Schiffn. 4. La Section *Villaumeae* sur la côte est de Madagascar. *Acta Botanica Hungarica* **30**: 11-26.
- 135 **Tixier, P.** 1985. Contribution à la Connaissance des Cololejeunoïdeae. *Bryophytorum Bibliotheca* **27**: 1-439.
- 914 **Tixier, P.** 1989. La notion de domaine pantropical. Le cas du genre *Cololejeunea*. *Compte Rendu des Séances de la Société Biogéographie* **65**: 175-179.
- 1115 **Tixier, P.** 1993. Bryophytes nouveaux pour la science et l'Île Maurice. *Proceedings of the Royal Society of Arts and Sciences of Mauritius* **5**: 41-48.
- 130 **Tixier, P.** 1995. Résultats taxonomiques de l'expédition BRYOTROP au Zaïre et Rwanda. 30. Bryophytes épiphytes (récoltes de E. Fischer). *Tropical Bryology* **11**: 11-76.
- 2170 **Tixier, P. & Guého, J.** 1997. *Introduction to Mauritian Bryology. A check-list of mosses and liverworts*. Réduit: Mauritius Sugar Industry Research Institute.
- 696 **Uribe, M.J. & Gradstein, S.R.** 1998. Catalogue of the Hepaticae and Anthocerotae of Colombia. *Bryophytorum Bibliotheca* **53**: 1-99.
- 2628 **Uribe, J.M.** 2013. Type studies on *Frullania* subgenus *Meteoriopsis* (Marchantiophyta). VII. On *F. angulata* Mitt. and *F. longistipula* Steph. *Polish Botanical Journal* **58**: 461-465.
- 795 **van Slageren, M.W. van.** 1985. A taxonomic monograph of the genera *Brachiolejeunea* and *Frullanoides*. *Meded. Botanische Museum en Herbarium van de Rijksuniversiteit te Utrecht* **54**: 7-205.
- 2006 **Váňa, J.** 1973. Studien über Jungermannioidae (Hepaticae). 2. *Jungermannia* subg. *Jungermannia*. *Folia geobotanica et phytotaxonomica, Praha* **8**: 255-309.
- 412 **Váňa, J.** 1974a. Studien über Jungermannioidae (Hepaticae). 5. *Jungermannia* subgen. *Plectocolea* und subgen. *Solenostoma*: Afrikanische Arten. *Folia geobotanica et phytotaxonomica, Praha* **9**: 277-312.
- 1030 **Váňa, J.** 1974b. Studien über Jungermannioidae (Hepaticae). 6. *Jungermannia* subgen. *Solenostoma*: Europäische und nordamerikanische Arten. *Folia geobotanica et phytotaxonomica, Praha* **9**: 369-423.
- 918 **Váňa, J.** 1975. The genus *Anastrophyllum* in New Guinea. *Miscellanea Bryologica et Lichenologica* **7**: 25-27.
- 414 **Váňa, J.** 1980. Some new South and Central American hepatics. *Journal of the Hattori Botanical Laboratory* **48**: 225-234.
- 163 **Váňa, J.** 1982. Notes on some African Hepatic Genera 1-5. *Folia geobotanica et phytotaxonomica, Praha* **17**: 63-87.
- 416 **Váňa, J.** 1985. Notes on some African Hepatic Genera 6-9. *Folia geobotanica et phytotaxonomica, Praha* **20**: 81-99.
- 494 **Váňa, J.** 1988. *Cephalozia* in Africa, with notes on the genus (Notes on African hepatic genera 10). *Beihefte zur Nova Hedwigia* **90**: 179-198.
- 892 **Váňa, J.** 1993. Taxonomic results of the BRYOTROP expedition to Zaire and Rwanda. 11. *Cephaloziaceae, Cephaloziellaceae, Gymnomitriaceae, Jungermanniaceae* and *Lophozia*ceae. *Tropical Bryology* **8**: 99-103.
- 102 **Váňa, J.** 1998. *Sphenolobopsis* Schuster & N.Kitag. in Africa and Tristan da Cunha. *Journal of Bryology* **20**: 521-522.
- 111 **Váňa, J.** 1999. Notes on the genus *Marsupella* s. lat. (Gymnomitriaceae, Hepaticae) 1-10. Infrageneric taxa. *Bryobrothera* **5**: 221-229.
- 1895 **Váňa, J.** 2003. Notes on Gymnomitriaceae (subf. Gymnomitrioideae) in Latin America. *Acta Academiae Paedagogicae Agriensis, Sect. Biol.* **24**: 109-128.
- 2642 **Váňa, J. & Engel, J.J.** 2013. The Liverworts and Hornworts of the Tristan da Cunha Group of Islands. *Memoirs of the New York Botanical Garden* **105**: 1-135.

- 2472 Váňa, J., Hentschel, J. & Herinrichs, J. 2010. New combinations in Jungermanniales: transfer of 32 taxa to *Solenostoma* Mitt. *Cryptogamie, Bryologie* **31**: 135-139.
- 775 Váňa, J. & Müller, F. 2003. *Cephaloziella biokoensis* sp. nov. (Marchantiopsida, Cephaloziellaceae) from the island of Bioko (Equatorial Guinea). *Tropical Bryology* **24**: 1-4.
- 156 Váňa, J., Pócs, T. & De Sloover, J.L. 1979. Hépatiques d'Afrique tropicale. *Lejeunia* **98**: 1-25.
- 2458 Vana, J., Söderström, L., Hagborg, A., von Konrat, M.J.J. & Engel, J.J. 2010a. Early Land Plants Today: Taxonomy, systematics and nomenclature of Gymnomitriaceae. *Phytotaxa* **11**: 1-80.
- 2459 Váňa, J., Söderström, L., Hagborg, A. & von Konrat, M.J.J. 2010b. Nomenclatural novelties and lectotypifications in Gymnomitriaceae. *Novon* **20**: 225-227.
- 2562 Vana, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013a. Notes on early land plants today. 20. New synonyms in *Gymnocoleopsis* (Cephaloziellaceae, Marchantiophyta). *Phytotaxa* **76**: 41-42.
- 2548 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013b. Notes on early land plants today. 30. Transfer of some taxa from *Anastrophyllum* (Anastrophyllaceae, Marchantiophyta). *Phytotaxa* **81**: 15-18.
- 2551 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013c. Notes on early land plants today. 33. Notes on Anastrophyllaceae (Marchantiophyta). *Phytotaxa* **81**: 26-32.
- 2589 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013d. Notes on early land plants today. 40. Notes on Cephaloziellaceae (Marchantiophyta). *Phytotaxa* **112**: 1-6.
- 2590 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013e. Notes on early land plants today. 41. New synonyms and synonyms in Cephaloziaceae (Marchantiophyta). *Phytotaxa* **112**: 7-15.
- 2644 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013f. Notes on early land plants today. 44. Comments on sexuality in *Solenostoma* (Solenostomataceae, Marchantiophyta) and on some newly described taxa. *Phytotaxa* **152**: 33-47.
- 2688 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J.J. 2013g. Notes on early land plants today. 52. Validation of *Tritomaria cameronensis* (Lophoziaceae, Marchantiophyta). *Phytotaxa* **167**: 215-216.
- 2732 Váňa, J., Söderström, L., Hagborg, A., & von Konrat, M.J. 2013g. Notes on Early Land Plants Today. 61. New Synonyms and new combinations in Cephaloziaceae and Cephaloziellaceae (Marchantiophyta). *Phytotaxa* **183**: 290-292.
- 1472 Váňa, J. & Watling, M.C. 2004a. Bryophyte Flora of Uganda. 1. Jungermanniaceae. *Journal of Bryology* **26**: 147-151.
- 1473 Váňa, J. & Watling, M.C. 2004b. Bryophyte Flora of Uganda. 2. Gymnomitriaceae. *Journal of Bryology* **26**: 199-202.
- 1426 Váňa, J. & Watling, M.C. 2004c. Bryophyte Flora of Uganda. 3. Lophoziaceae. *Journal of Bryology* **26**: 293-299.
- 2087 Váňa, J. & Wigginton, M.J. 2008. Taxonomic results of the BRYOTROP expedition to Zaire and Rwanda. 34. A new species of *Amphicephalozia*, A. *africana* sp. nov. *Journal of Bryology* **30**: 55-58.
- 902 Vanden Berghe, C. 1946. Note sur *Sprucella succida* (Mitt.) Steph. au Congo belge. *Bulletin du Jardin Botanique de l'État à Bruxelles* **18**: 89-95.
- 834 Vanden Berghe, C. 1948a. Note sur le genre *Ptychocoleus* Trevis. en Afrique tropicale. *Bulletin du Jardin Botanique de l'État à Bruxelles* **19**: 37-49.
- 167 Vanden Berghe, C. 1948b. Contribution à l'étude d'espèces africaine du genre *Metzgeria*. *Bulletin du Jardin Botanique de l'État à Bruxelles* **19**: 187-204.
- 851 Vanden Berghe, C. 1948c. Un nouveau genre d'Hépatiques *Evansiolejeunea* nov. gen. *Revue Bryologique et Lichénologique* **17**: 86-90.
- 891 Vanden Berghe, C. 1948d. Notes sur quelques Lejeuneacées de l'Afrique centrale. *Revue Bryologique et Lichénologique* **17**: 91-100.
- 903 Vanden Berghe, C. 1949. Contribution a l'étude des espèces africaines du genre *Mastigolejeunea* (Spruce) Schiffn. *Bulletin du Jardin Botanique de l'État à Bruxelles* **19**: 371-382.
- 838 Vanden Berghe, C. 1950a. Contribution à l'étude des espèces africaines du genre *Lopholejeunea* (Spruce) Schiffn. *Bulletin du Jardin Botanique de l'État à Bruxelles* **20**: 161-179.
- 905 Vanden Berghe, C. 1950b. Le genre *Thysananthus* en Afrique. *Revue Bryologique et Lichénologique* **19**: 35-37.
- 732 Vanden Berghe, C. 1951a. Contribution a l'étude des espèces africaines du genre *Ceratolejeunea* (Spruce) Schiffn. *Bulletin du Jardin Botanique de l'État à Bruxelles* **21**: 61-81.
- 906 Vanden Berghe, C. 1951b. Contribution a l'étude des espèces africaines du genre *Brachiolejeunea* (Spruce) Schiffn. *Bulletin du Jardin Botanique de l'État à Bruxelles* **21**: 87-94.
- 907 Vanden Berghe, C. 1951c. Contribution a l'étude des espèces africaines du genre *Archilejeunea* (Spruce) Schiffn. *Revue Bryologique et Lichénologique* **20**: 112-121.
- 836 Vanden Berghe, C. 1952. Notes sur quelques Lejeuneacées de l'Afrique Continentale. *Bulletin du Jardin Botanique de l'État à Bruxelles* **22**: 165-175.
- 952 Vanden Berghe, C. 1953a. Quelques hépatiques récoltées par O. Hedberg sur les montagnes de l'Afrique orientale. *Svensk Botanisk Tidskrift* **47**: 263-283.
- 99 Vanden Berghe, C. 1953b. Le genre *Leptolejeunea* (Spruce) Schiffn. en Afrique Continentale. *Bulletin du Jardin Botanique de l'État à Bruxelles* **23**: 65-72.
- 1006 Vanden Berghe, C. 1954. Le genre *Marchantia* L. au Congo Belge. *Bulletin du Jardin Botanique de l'État à Bruxelles* **24**: 37-50.
- 850 Vanden Berghe, C. 1960a. Hépatiques récoltées par Dr J.-J. Symoens dans la région péri-tanganyikaise. *Bulletin de la Société Royale de Botanique de Belgique* **92**: 111-138.
- 649 Vanden Berghe, C. 1960b. Hépatiques récoltées en Afrique par M. Monod. *Revue Bryologique et Lichénologique* **29**: 50-67.
- 140 Vanden Berghe, C. 1961. Hépatiques récoltées par Dr J.-J. Symoens dans la région péri-tanganyikaise. *Bulletin de la Société Royale de Botanique de Belgique* **93**: 55-74.

- 161 **Vanden Berghen, C.** 1963a. Lejeuneacees epiphyllées d'Afrique. *Revue Bryologique et Lichénologique* **32**: 49-55.
 968 **Vanden Berghen, C.** 1963b. Le genre *Nesolejeunea* Herz. *Revue Bryologique et Lichénologique* **32**: 292.
 829 **Vanden Berghen, C.** 1965. Hépatiques récoltées par Dr J.-J. Symoens dans la région péri-tanganyikaise. *Bulletin de la Société Royale de Botanique de Belgique* **98**: 129-174.
 495 **Vanden Berghen, C.** 1972a. Hépatiques épiphyllées récoltées au Burundi par J. Lewalle. *Bulletin du Jardin Botanique National de Belgique* **42**: 431-494.
 158 **Vanden Berghen, C.** 1972b. Hépatiques et Anthocerotées, in J.-J. Symoens, (ed.), *Résultats scientifiques. Exploration hydrobiologique du bassin du lac Bangweolo et du Luapula*. **8**(1): 1-220. Bruxelles: Cercle Hydrobiologique de Bruxelles.
 27 **Vanden Berghen, C.** 1973. Quelques hépatiques récoltées au Gabon par G. le Testui. *Revue Bryologique et Lichénologique* **39**: 365-385.
 147 **Vanden Berghen, C.** 1976. Frullaniaceae (Hépaticae) Africaneae. *Bulletin du Jardin Botanique National de Belgique* **46**: 1-220.
 733 **Vanden Berghen, C.** 1977. Hépatiques épiphyllées récoltées par J L De Sloover au Kivu (Zaïre), au Rwanda et au Burundi. *Bulletin du Jardin Botanique National de Belgique* **47**: 199-246.
 841 **Vanden Berghen, C.** 1978a. Notes sur quelques Lejeuneacees holostipées africaines. *Revue Bryologique et Lichénologique* **44**: 123-132.
 842 **Vanden Berghen, C.** 1978b. Hépatiques épiphyllées récoltées au Rhodesie. *Revue Bryologique et Lichénologique* **44**: 443-452.
 843 **Vanden Berghen, C.** 1981. Le genre *Plagiochila* à Madagascar et aux Mascarenes. *Bulletin du Jardin Botanique National de Belgique* **51**: 41-103.
 250 **Vanden Berghen, C.** 1983. *Lepidozia* Dumort. emend. Joerg. subgen. *Sprucella* (Steph.) Vanden Berghen comb. et stat. nov. *Bulletin du Jardin Botanique National de Belgique* **53**: 321-330.
 839 **Vanden Berghen, C.** 1984a. Le genre *Lopholejeunea* (Spruce) Schiffn. en Afrique. *Bulletin du Jardin Botanique National de Belgique* **54**: 393-464.
 251 **Vanden Berghen, C.** 1984b. Le genre *Caudalejeunea* (Steph.) Schiffn. en Afrique. *Cryptogamie, Bryologie lichenologique* **5**: 99-109.
 2713 **Vanderpoorten, A., Schäfer-Verwimp, A., Heinrichs, J., Devos, N. & Long, D.G.** 2010. The taxonomy of the leafy liverwort genus *Leptoscyphus* (Lophocoleaceae) revisited. *Taxon* **59**: 176-186.
 533 **Veltman, A., Potgieter, M.J. & van Wyk, A.E.** 2000. *Metzgeria nicomariei*, a new species of Metzgeriaceae from South Africa. *South African Journal of Botany* **66**: 112-114.
 840 **Verdoorn, F.** 1930. Die Frullaneaceae der Indomalesischen Inseln (De Frullaniaceis VII). *Annales Bryologici, Supplementary Volume* **1**: 1-187.
 972 **Verdoorn, F.** 1934. De Frullaniaceis XV. Die Lejeuneaceae Holostipae de Indomalaya unter Berücksichtigung sämtlicher aus Asien, Australien, Neu-Seeland und Ozeanien angeführten Arten. *Annales Bryologici, suppl.* **4**: 40-192.
 2490 **Villarreal, J.C., Cargill, D.C., Hagborg, A., Söderström, L. & Renzaglia, K.A.** 2010. A synthesis of hornwort diversity: Patterns, causes and future work. *Phytotaxa* **9**: 150-166.
 2664 **Villarreal, J.C., Cargill, C., Söderström, L., Hagborg, A. & von Konrat, M.J.** 2015. Notes on Early Land Plants Today. 70. Nomenclatural notes in hornworts (Anthocerotophyta). *Phytotaxa* **208**: 092-096.
 3064 **Villarreal, J.C., Duckett, J.G. & Pressel, S.** 2017. Morphology, ultrastructure and phylogenetic affinities of the single-island endemic *Anthoceros cristatus* Steph. (Ascension Island). *Journal of Bryology* **39**: 226-234.
 2413 **Vilnet, A.A., Konstantinova, N.A., Troitsky, A.V.** 2010. Molecular insight on phylogeny and systematics of the Lophoziaceae, Scapaniaceae, Gymnomitriaceae and Jungermanniaceae. *Arctoa* **19**: 31-50.
 23 **Wigginton, M.J.** 2000. *Caudalejeunea yangambiensis* (Vanden Berghen) E.W.Jones (Lejeuneaceae) with mature perianths from Ghana. *Tropical Bryology* **19**: 41-43.
 113 **Wigginton, M.J.** 2001a. A small collection of bryophytes from Ethiopia. *Tropical Bryology* **20**: 27-29.
 563 **Wigginton, M.J.** 2001b. British Bryological Society expedition to Mulanje Mountain, Malawi. 15. Lejeuneaceae, and the occurrence and frequency of foliicolous taxa. *Tropical Bryology* **20**: 83-94.
 1037 **Wigginton, M.J. (ed.).** 2004. E.W.Jones's Liverwort and Hornwort Flora of West Africa. *Scripta Botanica Belgica* **30**: i-vii, 1-443.
 1761 **Wigginton, M.J.** 2006. Bryophytes of St. Helena, South Atlantic Ocean. 1. Three new species of *Cololejeunea* (Jungermanniales, Lejeuneaceae), *C. dianae* sp. nov., *C. sanctae-helenae* sp. nov. and *C. grossestyla* sp. nov. *Journal of Bryology* **28**: 363-373.
 1755 **Wigginton, M.J.** 2007. Bryophytes of St. Helena, South Atlantic Ocean. 2. *Lejeunea sanctae-helenae*, sp. nov. (Jungermanniales, Lejeuneaceae), an unusual species with a hooded lobule. *Journal of Bryology* **29**: 12-17.
 2349 **Wigginton, M.J.** 2010. Bryophytes of St. Helena, South Atlantic Ocean. 4. *Kurzia nemoides* (Hook.f. et Taylor) Grolle and *Lepidozia africana* Steph. (Jungermanniales, Lepidoziaceae) described from the island. *Journal of Bryology* **32**: 208-215.
 2895 **Wigginton, M.J.** 2012a. *Mosses & Liverworts of St Helena*. Pisces Publications, Newbury.
 2426 **Wigginton, M.J.** 2012b. Bryophytes of St Helena, South Atlantic Ocean. 6. *Cheilolejeunea* (Spruce) Schiffn. (Jungermanniales: Lejeuneaceae), including *C. microscypha* (Hook.f. et Taylor) M.Wigginton, *comb. nov.* (a reinstated St Helena liverwort) and *C. rotalis* (Hook.f. et Taylor) M.Wigginton, *comb. nov.* *Journal of Bryology* **34**: 268-276.
 2567 **Wigginton, M.J.** 2013a. Bryophytes of St. Helena, South Atlantic Ocean. 7. *Cylindrocolea* (Jungermanniales: Cephaloziellaceae): *C. sanctae-helenae* M.Wigginton sp. nov. *Polish Botanical Journal* **58**: 107-115.
 3059 **Wigginton, M.J.** 2013b. *Marchantia pappeana* subsp. *pappeana*, *Radula boryana*. In: L.T. Ellis *et al.*, New national and regional bryophyte records, 37. *Journal of Bryology* **35**: 290-305.
 2 **Wigginton, M.J. & Grolle, R.** 1996. Catalogue of the Hepaticae and Anthocerotae of sub-Saharan Africa. *Bryophytorum Bibliotheca* **50**: 1-267.

- 115 **Wigginton, M.J., O'Shea, B.J., Porley, R.D. & Matcham, H.W.** 2001. Bryophytes of Uganda, 4. New and additional records, 2. *Tropical Bryology* **20**: 55-62.
- 29 **Wigginton, M.J. & Porley, R.D.** 2001. British Bryological Society Expedition to Mulanje Mountain, Malawi. 14. Allisoniaceae, Arnelliaceae, Aytoniaceae, Geocalycaceae, Gymnomitriaceae, Pallaviciniaceae (Hepaticae). *Journal of Bryology* **23**: 133-138.
- 1999 **Wigginton, M.J., Porley, R.D., & Hodgetts, N.G.** 2007. British Bryological Society expedition to Mulanje Mountain, Malawi. 18. *Cololejeunea lichenya*, a new species of Lejeuneaceae (Jungermanniopsida) from Malawi. *Journal of Bryology* **29**: 7-11.
- 1307 **Wijk, R. van der, Margadant, W.D. & Florschütz, P.A.** 1959-1969. Index Muscorum, vols. 1-5. Utrecht.
- 2098 **Wilson, R., Gradstein, S. R., Schneider, H. & Heinrichs, J.** 2007. Unravelling the phylogeny of Lejeuneaceae (Jungermanniopsida): Evidence for four main lineages. *Molecular Phylogenetics and Evolution* **43**: 270-282.
- 1041 **Yamada, K.** 1979. A revision of Asian taxa of *Radula*, Hepaticae. *Journal of the Hattori Botanical Laboratory* **45**: 201-322.
- 963 **Yamada, K.** 1993. Taxonomic results of the BRYOTROP Expedition to Zaire and Rwanda. 13. Radulaceae. *Tropical Bryology* **8**: 127-130.
- 2781 **Ye, W., Gradstein, S.R., Shaw, J., Shaw, B., Ho, B.C., Schäfer-Verwimp, A., Pócs, T., Heinrichs, J. & Zhu, R-L.** 2015. Phylogeny and classification of Lejeuneaceae subtribe Cheilolejeuneinae (Marchantiophyta) based on nuclear and plastid molecular markers. *Cryptogamie, Bryologie* **36**: 313-333.
- 2588 **Ye, W., Zhu, R-L., Long, D.G.** 2013. Range extension and description for the rare *Cheilolejeunea chenii* (Lejeuneaceae, Marchantiophyta), with reference to the *Cyrtolejeunea*. *Journal of Bryology* **35**: 143-147.
- 2702 **Yu, Y., Pócs, T., Zhu, R-L.** 2014. Notes on Early Land Plants Today. 62. A synopsis of *Myriocoleopsis* (Lejeuneaceae, Marchantiophyta) with special reference to transfer of *Cololejeunea minutissima* to *Myriocoleopsis*. *Phytotaxa* **183**: 293-297.
- 949 **Yuzawa, Y.** 1991. A monograph of subgen. *Chonenthelia* of gen. *Frullania* (Hepaticae) of the world. *Journal of the Hattori Botanical Laboratory* **70**: 181-291.
- 1856 **Zhu, R-L. & Gradstein, S.R.** 2005. Monograph of *Lopholejeunea* (Lejeuneaceae, Hepaticae) in Asia. *Systematic Botany Monographs* **74**: 1-98.
- 670 **Zhu, R-L. & Grolle, R.** 2001. Notes on the taxonomy and distribution of *Acanthocoleus yoshinganus* and *Lejeunea papilionacea* (Hepaticae, Lejeuneaceae). *Annales Botanici Fennici* **38**: 329-336.
- 765 **Zhu, R-L. & Grolle, R.** 2003. On the genus *Capillolejeunea* (Lejeuneaceae, Hepaticae) from the East African Islands. *Systematic Botany* **28**: 467-470.
- 1106 **Zhu, R-L. & So, M.-L.** 1998. Notes on the taxonomy and distribution of *Cololejeunea platyneura* (Hepaticae, Lejeuneaceae). *Annales Botanici Fennici* **35**: 229-232.
- 1174 **Zhu, R-L. & So, M.-L.** 1999. New records of *Cololejeunea* (Lejeuneaceae, Hepaticae) for China. *Botanical Bulletin of Academia Sinica* **40**: 165-171.
- 702 **Zhu, R-L. & So, M.-L.** 2001. Epiphyllous liverworts of China. *Beihefte zur Nova Hedwigia* **121**: 1-418.
- 2457 **Zhu, R-L., Wei, Y-M. & He, Q.** 2011. *Caudalejeunea tridentata*, a remarkable new species of Lejeuneaceae (Marchantiophyta) from China. *The Bryologist* **114**: 469-473.
- 1036 **Zwickel, W.** 1933. Zwei neue Gattungen, einige neue Arten und Umstellungen bei den Lejeuneaceen. *Annales Bryologici* **6**: 105-121.

Appendix 1. Changes to the checklist of sub-Saharan liverworts and hornworts in edition 4

Newly described taxa

Literature reference number in brackets

- Acanthocoleus elgonensis* Gyarmati et Pocs (2654).
- Archilejeunea gradsteinii* X.Q.Shi et R.L.Zhu (2849).
- Bazzania orbanii* Pócs (2388).
- Ceratolejeunea andringitrae* Pócs (2499).
- Ceratolejeunea kuerschneri* Eb.Fisch. et Vanderpoorten (2396).
- Ceratolejeunea sarolae* Pócs (2499).
- Cheilolejeunea fischeri* Malombe (2357).
- Cheilolejeunea ngongensis* Malombe et Pócs (2357).
- Cheilolejeunea ulugurica* Malombe, Eb.Fisch. et Pócs (2357, 2386).
- Cololejeunea nosykombae* A.Szabó et Pócs (2863).
- Colura thomeensis* Pócs (2389).
- Cylindrocolea sanctae-helenae* M.Wigginton (2567).
- Dendroceros herasii* M.Infante (2359).
- Dendroceros paivae* C.Garcia, Sérgio et J.C.Villarreal (2452).
- Lejeunea gradsteiniana* Pócs (2385).
- Lejeunea kuerschneriana* Pócs (2365).
- Lejeunea masoalae* Pócs (2365).
- Lejeunea vojtkoi* Pócs (2365).

- Marchesinia principensis* Frank Müll. et Shevock (3067).
Neurolejeunea breutelii (Gottsche) A.Evans var. *africana* Pócs (2750).
Radula camerunensis Pócs et Döbbeler (3077).

Other taxa new to sub-Saharan Africa

Literature reference number in brackets

- Anastrophyllopsis revoluta* (Steph.) Váňa et L.Söderstr. (2548).
Cephaloziella divaricata (Sm.) Schiffn. (3065).
Cephaloziella turneri (Hook.) Müll.Frib. (3065).
Cololejeunea antillana Pócs (2396).
Cololejeunea minuscula Pócs (2864).
Cololejeunea sintenisii (Steph.) Pócs (2360).
Drepanolejeunea dactylophora (Nees, Lindenb. et Gottsche) J.B.Jack et Steph. (2363).
Drepanolejeunea pentadactyla var. *dactylophoroides* (Herzog) Pócs (2785).
Fuscocephaloziopsis pleniceps (Austin) Váňa et L.Söderstr. (2895).
Herbertus sendtneri (Nees) Lindb. (3069).
Lejeunea exilis (Reinw., Blume et Nees) Grolle (2360).
Lejeunea laetevirens Nees et Mont. (3065).
Lejeunea longilobula Pócs, nom. nov. pro (2365).
Leptolejeunea subdentata Schiffn. ex Herzog (2366).
Leptolejeunea subrotundifolia Herzog (2785).
Mannia californica (Gottsche ex Underw.) L.C.Wheeler (2715).
Metzgeria albinea Spruce (3047).
Metzgeria pulvinata Steph. (3049).
Metzgeria scyphigera A.Evans (3048).
Odonotoschisma denudatum (Nees) Dumort. subsp. *denudatum* (2784).
Phaeoceros evanidus (Steph.) Cargill et Fuhrer (3065).
Phaeoceros laevis (L.) Prosk. (3065)
Riccia atromarginata Levier (3053).
Targionia dioica Schiffn. (2498).
Thysananthus comosus Lindenb. ex Lehm. (2731).
Thysananthus virens (Ångstr.) Sukkharak et Gradst. (3068).

Other new names resulting from changes in synonymy, comb. nov. and reinstated and removed names

The name used in edn. 4 of the checklist is shown in square brackets following the currently accepted name.

- Acrobolbus africanus* (Pearson) Briscoe, comb. nov. [*Tylimanthus africanus* Pearson].
Acrobolbus anisodontus (Hook.f. et Taylor) Briscoe, comb. nov. [*Tylimanthus anisodontus* (Hook.f. et Taylor) Mitt.].
Acrobolbus laxus (Lehm. et Lindenb.) Briscoe, comb. nov. [*Tylimanthus laxus* (Lehm. et Lindenb.) Spruce].
Acrobolbus limbatus (Steph.) Briscoe et J.J.Engel, comb. nov. [*Marsupidium limbatum* (Steph.) Grolle].
Afroriccardia comosa (Steph.) Reeb et Gradst., comb. nov. [*Aneura comosa* Steph.]
Allorgella rabenorii (Tixier) Bechteler, G.E.Lee, Schäf.-Verw. et Heinrichs [*Otolejeunea rabenorii* Tixier].
Allorgella subana (Pócs) Pócs [*Otolejeunea subana* Pócs].
Anastrophyllopsis subcomplicata (Lehm. et Lindenb.) Váňa et L.Söderstr., comb. nov. [*Anastrophyllum subcomplicatum* (Lehm. et Lindenb.) Steph.].
Anthoceros expansus (Steph.) J.C.Villarreal et Cargill, comb. nov. [*Anthoceros* sp. (*Aspiromitus expansus* Steph.)].
Anthoceros subtilis Steph. 1916 [*Anthoceros chevalieri* Steph.].
Calypogeia peruviana Nees et Mont. [*Calypogeia afrocaerulea* E.W.Jones].
Capillolejeunea geisslerae (Pócs) R.L.Zhu, Qiong He, Y.M.Wei et Pócs, comb. nov. [*Drepanolejeunea geisslerae* Pócs].
Capillolejeunea mascarena S.W.Arnell - reinstated [*Drepanolejeunea mascarena* (S.W.Arnell) R.L.Zhu et

Grolle].

Cheilolejeunea larsenii Mizut. [*Cheilolejeunea exinnovata* E.W.Jones]..

Cheilolejeunea microscypha (Hook.f. et Taylor) M.Wigginton, *comb. nov.* [*Jungermannia microscypha* Hook.f. et Taylor)].

Cheilolejeunea rigidula (Nees ex Mont.) R.M.Schust. [*Cheilolejeunea serpentina* (Mitt.) Mizut.].

Cheilolejeunea rotalis (Hook.f. et Taylor) M.Wigginton, *comb. nov.* [*Aureolejeunea rotalis* (Hook.f. et Taylor) Gradst. et Geissler].

Cheilolejeunea unciloba (Lindenb. ex Lehm.) Malombe, *comb. nov.* [*Leucolejeunea uniciloba* (Lindenb.) A.Evans].

Cheilolejeunea xanthocarpa (Lehm. et Lindenb.) Malombe, *comb. nov.* [*Leucolejeunea xanthocarpa* (Lehm. et Lindenb.) A.Evans]. .

Clevea spathysii (Lindenb.) Müll.Frib. [*Athalamia spathysii* (Lindenb.) S.Hatt.].

Cololejeunea grossepapillosa (Horik.) N.Kitag. [*Cololejeunea capensis* S.W.Arnell].

Cololejeunea jamesii (Austin) M.E.Reiner et Pócs, *comb. nov.* [*Aphanolejeunea fadenii* (Pócs) Pócs].

Cololejeunea jovetastiana (Pócs) Pócs, *comb. nov.* [*Aphanolejeunea jovetastiana* Pócs].

Cololejeunea lisowskii (Pócs) Pócs, *comb. nov.* [*Aphanolejeunea lisowskii* Pócs].

Cololejeunea lanciloba Steph. [*Cololejeunea bolombensis* (Steph.) Vanden Berghen].

Cololejeunea microscopica (Taylor) Schiffn., *comb. nov.* [*Aphanolejeunea microscopica* (Taylor) A.Evans].

Cololejeunea microscopica var. *africana* (Pócs) Pócs et Bernecker, *comb. nov.* [*Aphanolejeunea microscopica* (Taylor) A.Evans var. *africana* (Pócs) Pócs et Lücking].

Cololejeunea microscopica var. *exigua* (A.Evans) Pócs et Lücking, *comb. nov.* [*Aphanolejeunea microscopica* var. *exigua* (A.Evans) Pócs et Lücking].

Cololejeunea moramangae (Tixier) Pócs & Bernecker, *comb. nov.* [*Aphanolejeunea moramangae* (Tixier) Pócs].

Cololejeunea obtusifolia var. *madecassa* (Tixier) Pócs, *comb. nov.* [*Cololejeunea androphylla* var. *madecassa* Tixier].

Cololejeunea wightii Steph. [*Cololejeunea androphylla* E.W.Jones].

Colura ornithocephala Herzog [*Colura kilimanjarica* Pócs et Jovet-Ast].

Cryptolophocolea lilliana (Steph.) L.Söderstr., *comb. nov.* [*Chiloscyphus lillienus* (Steph.) J.J.Engel et R.M.Schust.].

Cryptolophocolea martiana (Nees) L.Söderstr., Crand.-Stotl. et Stotler subsp. *martiana*, *com. nov.* [*Chiloscyphus martianus* (Nees) J.J.Engel et R.M.Schust.].

Cryptolophocolea regularis (Steph.) L.Söderstr., *comb. nov.* [*Chiloscyphus regularis* Steph.].

Cylindrocolea abyssinica (Gola) Váňa [*Cylindrocolea atroviridis* (Sim) Váňa].

Cylindrocolea kiaeri (Austin) Váňa, *comb. nov.* [*Cephaloziella kiaeri* (Austin) S.W.Arnell].

Dibrachiella africana (Steph.) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea africana* Steph.].

Dibrachiella alata (Steph.) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea alata* Steph.].

Dibrachiella autoica (Vanden Berghen) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea autoica* Vanden Berghen].

Dibrachiella brevilobula (Steph.) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea brevilobula* Steph.].

Dibrachiella elobulata (Steph.) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea elobulata* Steph.].

Dibrachiella jonesii (Vanden Berghen) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea jonesii* Vanden Berghen].

Folioceros dilatatus (Steph.) J.C.Villarreal et Cargill, *comb. nov.* [*Anthoceros dilatatus* Steph.].

Frullania obscura (Sw.) Mont. [*Frullania arecae* (Spreng.) Gottsche].

Frullania plicata Hentschel et von Konrat, *nom. nov.* [*Frullania acutiloba* Gerola, *nom. illeg.*].

Fuscocephaloziopsis africana (Váňa) Váňa et L. Söderstr., *comb. nov.* [*Cephalozia africana* Váňa].

Fuscocephaloziopsis connivens subsp. *fissa* (Steph.) Váňa et L.Söderstr., *comb. nov.* [*Cephalozia connivens* subsp. *fissa* Steph.].

Gymnocoleopsis cylindriformis (Mitt.) R.M.Schust. [*Gymnocoleopsis multiflorus* (Steph.) R.M.Schust.].

Gymnomitrium africanum (Steph.) Horik. [*Apomarsupella africana* (Steph. ex Bonner) R.M.Schust.].

Gymnomitrium bolivianum (Steph.) Váňa, *comb. nov.* [*Marsupella lacerata* (Steph.) Váňa].

Gymnomitrium subintegrum (S.W.Arnell) Váňa, *comb. nov.* [*Marsupella subintegra* S.W.Arnell].

Isopaches decolorans (Limpr.) H.Buch, *comb. nov.* [*Lophozia decolorans* (Limpr.) Steph.].

Lejeunea aphanes Spruce [*Lejeunea autoica* R.M.Schust.].

- Lejeunea conformis* Nees et Mont. [*Taxilejeunea conformis* (Nees et Mont.) Steph.].
- Lejeunea gradsteiniana* Pócs, nom. nov. [*Cladolejeunea aberrans* (Steph.) Zwickel].
- Lejeunea jungneri* (Steph.) Steph. - removed from synonymy.
- Lejeunea sikorae* (Steph.) Steph. [*Taxilejeunea sikorae* Steph.].
- Lepidozia cupressina* subsp. *africana* (Steph.) Pócs, comb. nov. [*Lepidozia africana* Steph.]
- Lepidozia cupressina* subsp. *quinquefida* (Steph.) Pócs - merged with *L. cupressina* (Sw.) Lindenb. subsp. *cupressina*.
- Lophocolea angustistipula* Steph. [*Chiloscyphus angustistipulus* (Steph.) J.J.Engel et R.M.Schust.].
- Lophocolea ascensionis* Steph. [*Chiloscyphus ascensionis* (Steph.) J.J.Engel et R.M.Schust.].
- Lophocolea bewsii* (Sim) Grolle [*Chiloscyphuys bewsii* (Sim) J.J.Engel et R.M.Schust.].
- Lophocolea bidentata* (L.) Dumort. [*Chiloscyphus coadunatus* (Sw.) J.J.Engel et R.M.Schust.].
- Lophocolea concreta* Mont. [*Chiloscyphus concretus* (Mont.) J.J.Engel et R.M.Schust.].
- Lophocolea difformis* Nees [*Chiloscyphus difformis* (Nees) J.J.Engel et R.M.Schust.].
- Lophocolea fragrans* (Moris et De Not.) Gottsche, Lindenb. et Nees [*Chiloscyphus fragrans* (Moris et De Not.) J.J.Engel et R.M.Schust.].
- Lophocolea humistrata* (Hook.f. et Taylor) Gottsche, Lindenb. et Nees [*Chiloscyphus humistratus* (Hook.f. et Taylor) J.J.Engel et R.M.Schust.].
- Lophocolea lucida* (Spreng.) Mont. [*Chiloscyphus lucidus* (Spreng. ex Lehm.) Nees].
- Lophocolea madagascariensis* Gottsche [*Chiloscyphus madagascariensis* (Gottsche) J.J.Engel et R.M.Schust.].
- Lophocolea muhavurensis* (S.W.Arnell) S.W.Arnell ex Pócs [*Chiloscyphus muhavurensis* S.W.Arnell].
- Lophocolea muricata* (Lehm.) Nees [*Chiloscyphus muricatus* (Lehm.) J.J.Engel et R.M.Schust.].
- Lophocolea semiteres* (Lehm.) Mitt. [*Chiloscyphus semiteres* (Lehm.) Lehm. et Lindenb.].
- Lophonardia jamesonii* (Mont.) L.Söderstr. et Váňa, comb. nov. [*Lophozia jamesonii* (Mont.) R.M.Schust.].
- Lophonardia laxifolia* (Mont.) L.Söderstr. et Váňa, comb. nov. [*Lophozia argentina* (Steph.) R.M.Schust.].
- Lophozia excisa* (Dicks.) Konstant. et Vilnet, comb. nov. [*Lophozia excisa* (Dicks) Dumort.].
- Marchesinia nobilis* (Gottsche) X.Q.Shi, R.L.Zhu et Gradst. [*Archilejeunea nobilis* (Gottsche) Spruce ex Pearson].
- Microlejeunea filicispis* (Steph.) Heinrichs, Schäf.-Verw., Pócs et S.Dong, comb. nov. [*Harpalejeunea filicispis* (Steph.) Mizut.].
- Microlejeunea fischeri* (Tixier) Heinrichs, Schäf.-Verw., Pócs et S.Dong, comb. nov. [*Harpalejeunea fischeri* Tixier].
- Myriocoleopsis minutissima* (Sm.) R.L.Zhu, Y.Yu et Pócs, comb. nov. [*Cololejeunea minutissima* (Sm.) Steph.].
- Myriocoleopsis minutissima* subsp. *myriocarpa* (Nees et Mont.) R.L.Zhu, Y.Yu et Pócs, comb. nov. [*Cololejeunea minutissima* subsp. *myriocarpa* (Nees et Mont.) R.M.Schust.].
- Neolepidozia trifida* (Steph.) E.D.Cooper, comb. nov. [*Telaranea trifida* (Steph.) R.M.Schust.].
- Odontoschisma jishibae* (Steph.) Váňa et L.Söderstr., comb. nov. [*Iwatsukia jishibae* (Steph.) N.Kitag.].
- Odontoschisma variabile* (Lindenb. et Gottsche) Trevis. [*Odontoschisma africanum* (Pearson) Sim].
- Phaeoceros tigrinus* (Gola) J.C.Villarreal [*Phaeoceros* sp. (*Anthoceros tigrinus* Gola)].
- Plagiochila colorans* Steph. [*Plagiochila barteri* subsp. *colorans* (Steph.) Pócs].
- Pseudomarsupidium decipiens* (Hook.) Grolle [*Adelanthus decipiens* (Hook.) Mitt.].
- Radula bipinnata* Mitt. - removed from synonymy.
- Riccardia inconspicua* (Steph.) Reeb et Bardat, comb. nov. - removed from synonymy.
- Schistochila engleriana* Steph. [*Gottschea engleriana* (Steph.) Grolle et Zijlstra].
- Schistochila neesii* (Mont.) Lindb. [*Gottschea neesii* Mont.].
- Schistochila sphagnoides* (Schwägr.) Lindb. ex Steph. [*Gottschea sphagnoides* (Schwägr.) Lindb.].
- Solenostoma atrovirens* Steph. [*Solenostoma perloi* Gola].
- Solenostoma balfourii* (Váňa) Váňa, Hentschel et Heinrichs, comb. nov. [*Jungermannia balfourii* Váňa].
- Solenostoma dusenii* (Steph.) Váňa, Hentschel et Heinrichs, comb. nov. [*Jungermannia dusenii* (Steph.) Steph.].
- Solenostoma onraedtii* (Váňa) Váňa, Hentschel et Heinrichs, comb. nov. [*Jungermannia onraedtii* Váňa].
- Solenostoma pocsii* (Váňa) Bakalin, comb. nov. [*Jungermannia pocsii* Váňa].
- Solenostoma renauldii* (Steph.) Váňa, Hentschel et Heinrichs, comb. nov. [*Jungermannia renauldii* Steph.].
- Sphenolobus minutus* (Schreb. ex D.Crantz) Berggr. [*Anastrophyllum minutum* (Schreb.) R.M.Schust.].

- Spruceanthus abbreviatus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea abbreviata* (Mitt.) Vanden Berghen].
- Spruceanthus floreus* (Mitt.) Sukkharak et Gradst. [*Mastigolejeunea florea* (Mitt.) Paris].
- Spruceanthus planiusculus* (Mitt.) X.Q.Shi, R.L.Zhu et Gradst., *comb. nov.* [*Archilejeunea planiuscula* (Mitt.) Steph.].
- Syzygiella colorata* (Lehm.) K.Feldberg, Váňa, Hentschel et Heinrichs, *comb. nov.* [*Jamesoniella colorata* (Lehm.) Schiffn.].
- Syzygiella manca* (Mont.) Steph. [*Syzygiella geminifolia* (Mitt.) Steph.].
- Syzygiella oenops* (Lindenb. et Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs [*Jamesoniella oenops* (Lindenb. et Gottsche) Steph.].
- Syzygiella purpurascens* (Steph.) K.Feldberg, Váňa, Hentschel et Heinrichs [*Jamesoniella purpurascens* Steph.].
- Syzygiella sonderi* (Gottsche) K.Feldberg, Váňa, Hentschel et Heinrichs [*Cryptochila grandiflora* (Lindenb. et Gottsche) Grolle].
- Thysananthus auriculatus* (Wilson) Sukkharak et Gradst. var. *auriculatus* [*Mastigolejeunea auriculata* (Wilson) Steph. var. *auriculata*].
- Thysananthus auriculatus* var. *rhodesicus* (Vanden Berghen) Sukkharak et Gradst. [*Mastigolejeunea rhodesica* (Vanden Berghen) E.W.Jones].
- Thysananthus humilis* (Gottsche) Sukkharak et Gradst. - removed from synonymy.
- Thysananthus nigrus* (Steph.) Sukkharak et Gradst. [*Mastigolejeunea nigra* Steph.]
- Thysananthus turgidus* (Steph.) Sukkharak et Gradst. [*Mastigolejeunea turgida* Steph.]
- Tritomaria exsectiformis* subsp. *camerunensis* S.W.Arnell ex Váňa, *comb. nov.* [*Tritomaria camerunensis* S.W.Arnell].

Names overlooked in previous editions of this checklist

- Plagiochila parvula* Steph.
Plagiochila stolzii Steph.
Plagiochila usambarana Steph.
Riccia gemmifera O.H.Volk
Targionia dioica Schiffn.

Appendix 2. Confidence levels of taxa that differ from those given in Söderström, Hagborg, von Konrat, et al. (2016) or the taxa are not listed there

Confidence levels have been applied to the following taxa by the author. These include taxa that are not listed in Söderström, et al. (2016) and those that have been newly described. In respect of the taxa that are not listed in Söderström, et al. (2016), the author of this checklist might have overlooked the publication of synonymy.

- * *Anthoceros jollyanus* (not in Söderström et al. 2016)
- ** *Afroriccardia comosa* (Reeb & Bardat 2014) (not in Söderström et al. 2016)
- *** *Bazzania konratiana* (Sass-Gyarmati 2017)
- ** *Cololejeunea minutissima* var. *utriculifera* (not in Söderström et al. 2016)
- *** *Cololejeunea nosykombae* (Szabó & Pócs 2015)
- *** *Cololejeunea nosykombae* var. *laevis* (Szabó & Pócs 2015)
- * *Colura zoophaga* (not in Söderström et al. 2016)
- ** *Drepanolejeunea deslooveri* (for reasons given in text)
- ** *Drepanolejeunea pentadactyla* var. *dactylophoroides* (not in Söderström et al. 2016)
- * *Gongylanthus renifolius* (treated as a synonym in Söderström et al. 2016)
- * *Gongylanthus scariosus* (treated as a synonym in Söderström et al. 2016)
- * *Lophozia hedbergii* (Váňa & Watling 2004c) (not in Söderström et al. 2016)
- *** *Marchesinia principensis* (Müller & Shevock 2018)
- *** *Metzgeria madagassa* (So 2004)
- *** *Metzgeria quadrifaria* (So 2004)
- * *Plagiochila moschiensis* (not in Söderström et al. 2016)
- ** *Plagiochila heterostipa* (Jones 1962)

- ** *Plagiochila moenkemeyeri* (Jones 1962)
- * *Plagiochila winteri* (Jones 1962)
- ** *Plagiochila wilmsiana* (Jones 1962)
- ** *Radula bipinnata* (Devos *et al.* 2011; Renner *et al.* 2013)
- ** *Riccardia campanulifera* (Perold 2003a) (not in Söderström *et al.* 2016)
- * *Riccia chevalieri* Steph. (not in Söderström *et al.* 2016).
- *** *Riccia mamrensis* (Perold 2005)
- *** *Solenostoma borgenii* (not in Söderström *et al.* 2016)
- *** *Thysananthus auriculatus* var. *rhodesicus* (Sukkharak & Gradstein 2017)
- *** *Thysananthus comosus* (Sukkharak & Gradstein 2017) (not in Söderström *et al.* 2016)
- *** *Thysananthus turgidus* (Sukkharak & Gradstein 2017)

Appendix 3. Country abbreviations and numbers of hornwort + liverwort taxa

The list of geopolitical areas includes 65 countries, part-countries or islands. Country abbreviations generally follow Brummitt (2001), except for the four Gulf of Guinea islands and the Republic of South Africa, none of which is provided with a 3-letter abbreviation in the Brummitt list, and the Democratic Republic of the Congo, which replaces Zaire used in the Brummitt list. The abbreviations for Madagascar (MDG) and Cameroon (CMN) differ from those given in Grolle (1995) and Wigginton & Grolle (1996); RIM (Rio Muni), SAP (São Tomé and Príncipe) and SSD (South Sudan) are additional abbreviations.

The 'Group/Index Muscorum zone' indicates the *Index Muscorum* zone together with the group name to which it belongs in the 'Full name' column, if relevant. The sub-Saharan part of Africa-4 is designated Africa-4N (= North) to differentiate it from the subantarctic part (not included in this checklist).

In the tables below, the numbers of taxa for countries or other geopolitical areas are derived from the 3-letter country abbreviations in the main list that accompany the taxa shown in 11 pt bold italic font. They include taxa designated by sp., spp., cf., aff. and sens. lat. However, the country occurrence(s) for many doubtful species (with a single asterisk confidence level) have been excluded, and in such cases the country name is given in full in the comment following the taxon name. For example,

- 1) in relatively well-worked countries such as Tanzania and Madagascar, taxa that are represented only by an historic type are very likely to belong to other known taxa, and
- 2) in the well-monographed genus *Marchantia*, the occurrences of eight of its species are excluded from the country totals for the reasons given in the comments.

Number of hornwort + liverwort taxa reported from country or geopolitical area

Abbr.	Full name	No. of taxa	Group/ <i>Index Muscorum</i> zone
AGA	Agalega Islands	0	Mauritius [Africa-3]
ALD	Aldabra	2	Seychelles [Africa-3]
ANG	Angola	114	Africa-2
ANN	Annobón Island	40	Equatorial Guinea [Africa-2]
ASC	Ascension Island	27	Africa-2
BEN	Benin	21	Africa-2
BIO	Bioko (Fernando Po)	166	Equatorial Guinea [Africa-2]
BKN	Burkina Faso	0	Africa-2
BOT	Botswana	20	Africa-4N
BUR	Burundi	80	Africa-2
CAB	Cabinda	0	Africa-2
CAF	Central African Republic	55	Africa-2
CGS	Chagos Archipelago	8	Africa-3
CHA	Chad	14	Africa-2

CMN	Cameroon	222	Africa-2
COM	Comoro Islands (including Mayotte)	164	Africa-3
CON	Congo-Brazzaville	49	Africa-2
CVI	Cape Verde	41	Africa-2
DIE	Diego Garcia	6	Chagos Archipelago [Africa-3]
DJI	Djibouti	9	Africa-2
DRC	Democratic Republic of the Congo (former Zaire)	287	Africa-2
EQG	Equatorial Guinea (Bioko + Annobón)	175	Africa-2
ERI	Eritrea	20	Africa-2
ETH	Ethiopia	168	Africa-2
GAB	Gabon	73	Africa-2
GAM	Gambia	1	Africa-2
GHA	Ghana	154	Africa-2
GNB	Guinea Bissau	5	Africa-2
GUI	Guinea	61	Africa-2
IVO	Ivory Coast	97	Africa-2
KEN	Kenya	257	Africa-2
LBR	Liberia	7	Africa-2
LES	Lesotho	84	Africa-4N
MAS	Mascarene Islands (country not specified)	10	Africa-3
MAU	Mauritius	187	Mascarene Is. [Africa-3]
MDG	Madagascar	401	Africa-3
MLI	Mali	3	Africa-2
MLW	Malawi	235	Africa-2
MOZ	Mozambique	70	Africa-2
MTN	Mauritania	2	Africa-2
NAM	Namibia	34	Africa-4N
NGA	Nigeria	141	Africa-2
NGR	Niger	6	Africa-2
PRI	Príncipe	101	São Tomé and Príncipe [Africa-2]
REU	Réunion	280	Mascarene Is. [Africa-3]
RIM	Rio Muni	88	Equatorial Guinea [Africa-2]
ROD	Rodrigues	30	Mascarene Is. [Africa-3]
RWA	Rwanda	272	Africa-2
SAF	South Africa	314	Africa-4N
SAO	São Tomé	136	São Tomé and Príncipe [Africa-2]
SAP	São Tomé and Príncipe	169	Africa-2
SEN	Senegal	6	Africa-2
SEY	Seychelles	119	Africa-3
SIE	Sierra Leone	142	Africa-2
SOC	Socotra	32	Africa-2
SOM	Somalia	4	Africa-2
SSD	South Sudan	2	Africa-2
STH	St. Helena	41	Africa-2
SUD	Sudan	6	Africa-2
SWZ	Swaziland	24	Africa-4N
TAN	Tanzania	408	Africa-2
TOG	Togo	42	Africa-2
UGA	Uganda	288	Africa-2

ZAM	Zambia	63	Africa-2
ZIM	Zimbabwe	159	Africa-2

Number of hornwort + liverwort taxa reported from country or geopolitical area in descending numerical order

Abbr.	Full name	No. of taxa	Group/ <i>Index Muscorum</i> zone
TAN	Tanzania	408	Africa-2
MDG	Madagascar	401	Africa-3
SAF	South Africa	314	Africa-4N
UGA	Uganda	288	Africa-2
DRC	Democratic Republic of the Congo (former Zaire)	287	Africa-2
REU	Réunion	280	Mascarene Is. [Africa-3]
RWA	Rwanda	272	Africa-2
KEN	Kenya	257	Africa-2
MLW	Malawi	235	Africa-2
CMN	Cameroon	222	Africa-2
MAU	Mauritius	187	Mascarene Is. [Africa-3]
EQG	Equatorial Guinea (Bioko + Annobón)	175	Africa-2
SAP	São Tomé and Príncipe	169	Africa-2
ETH	Ethiopia	168	Africa-2
BIO	Bioko (Fernando Po)	166	Equatorial Guinea [Africa-2]
COM	Comoro Islands (including Mayotte)	164	Africa-3
ZIM	Zimbabwe	159	Africa-2
GHA	Ghana	154	Africa-2
SIE	Sierra Leone	142	Africa-2
NGA	Nigeria	141	Africa-2
SAO	São Tomé	136	São Tomé and Príncipe [Africa-2]
SEY	Seychelles	119	Africa-3
ANG	Angola	114	Africa-2
PRI	Príncipe	101	São Tomé and Príncipe [Africa-2]
IVO	Ivory Coast	97	Africa-2
RIM	Rio Muni	88	Equatorial Guinea [Africa-2]
LES	Lesotho	84	Africa-4N
BUR	Burundi	80	Africa-2
GAB	Gabon	73	Africa-2
MOZ	Mozambique	70	Africa-2
ZAM	Zambia	63	Africa-2
GUI	Guinea	61	Africa-2
CAF	Central African Republic	55	Africa-2
CON	Congo-Brazzaville	49	Africa-2
TOG	Togo	42	Africa-2
CVI	Cape Verde	41	Africa-2
STH	St. Helena	41	Africa-2
ANN	Annobón Island	40	Equatorial Guinea [Africa-2]
NAM	Namibia	34	Africa-4N
SOC	Socotra	32	Africa-2
ROD	Rodrigues	30	Mascarene Is. [Africa-3]

ASC	Ascension Island	27	Africa-2
SWZ	Swaziland	24	Africa-4N
BEN	Benin	21	Africa-2
BOT	Botswana	20	Africa-4N
ERI	Eritrea	20	Africa-2
CHA	Chad	14	Africa-2
MAS	Mascarene Islands (country not specified)	10	Africa-3
DJI	Djibouti	9	Africa-2
CGS	Chagos Archipelago	8	Africa-3
LBR	Liberia	7	Africa-2
DIE	Diego Garcia	6	Chagos Archipelago [Africa-3]
NGR	Niger	6	Africa-2
SEN	Senegal	6	Africa-2
SUD	Sudan	6	Africa-2
GNB	Guinea Bissau	5	Africa-2
SOM	Somalia	4	Africa-2
MLI	Mali	3	Africa-2
ALD	Aldabra	2	Seychelles [Africa-3]
MTN	Mauritania	2	Africa-2
SSD	South Sudan	2	Africa-2
GAM	Gambia	1	Africa-2
AGA	Agalega Islands	0	Mauritius [Africa-3]
BKN	Burkina Faso	0	Africa-2
CAB	Cabinda	0	Africa-2