FRITSCHIANA

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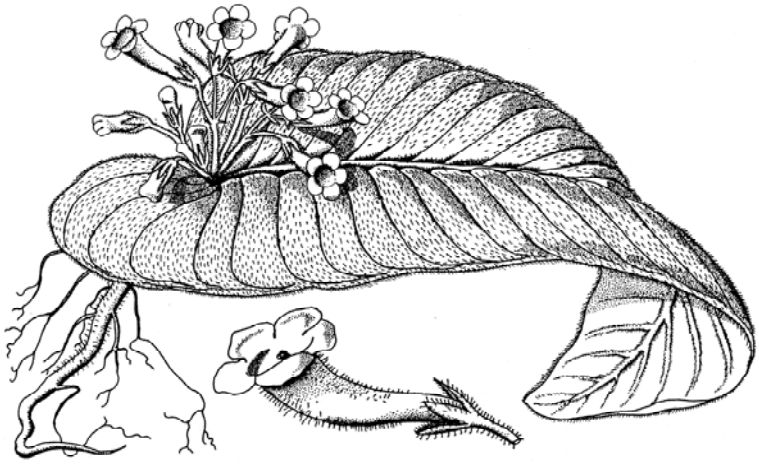

Veröffentlichungen aus dem
Institut für Pflanzenwissenschaften
der Karl-Franzens-Universität Graz

Josef HAFELLNER

Additions and Corrections to the Checklist and Bibliography of Lichens and Lichenicolous Fungi of Insular Laurimacaronesia. IV.

Graz, 18. Dezember 2008

Hofrat Prof. Dr. Karl FRITSCH
(∗ 24.2.1864 in Wien, † 17.1.1934 in Graz)

Karl FRITSCH studierte nach einem Jahr in Innsbruck an der Universität Wien Botanik und wurde dort 1886 zum Dr.phil. promoviert; 1890 habilitierte er sich. Nach Anstellungen in Wien wurde FRITSCH 1900 als Professor für Systematische Botanik an die Universität Graz berufen, wo er aus bescheidenen Anfängen ein Institut aufbaute. 1910 wurde er Direktor des Botanischen Gartens, 1916 wurde das neu errichtete Institutsgebäude bezogen. Aus der sehr breiten wissenschaftlichen Tätigkeit sind vor allem drei Schwerpunkte hervorzuheben: Floristisch-systematische Studien, besonders zur Flora von Österreich, monographische Arbeiten (besonders über *Gesneriaceae*) und Arbeiten zur systematischen Stellung und Gliederung der Monocotylen. An Kryptogamen interessierten ihn besonders Pilze und Myxomyceten.

Nachrufe: KNOLL F. 1934, Ber. Deutsch. Bot. Ges. 51: (157)–(184) (mit Schriftenverzeichnis). - KUBART B. 1935, Mitt. Naturwiss. Ver. Steiermark 71: 5–15 (mit Porträt). - TEPPNER H. 1997, Mitt. Geol. Paläont. Landesmus. Joanneum (Graz) 55: 133–136. - Im übrigen vgl. STAFLEU F.A. & COWAN R.S. 1976, Tax. Lit. 1: 892 und BARNHART J.H. 1965, Biogr. Notes Botanists 2: 12.

Graz, November 1997 H. TEPPNER

Die Serie FRITSCHIANA wurde als Publikationsorgan für die zahlreichen Aktivitäten im Zusammenhang mit der botanischen Sammlung des Institutes für Pflanzenwissenschaften, Bereich Systematische Botanik und Geobotanik (vormals Institut für Botanik), der Karl-Franzens-Universität Graz (GZU) gegründet. Vor allem Schedae-Hefte der von den Mitarbeitern herausgegebenen Exsiccatenwerke sollten hier erscheinen, aber auch Exkursionsberichte sowie Listen und Indices besonders wertvoller Bestände in GZU. Das Spektrum wurde mittlerweile auf floristische und kleinere taxonomische Arbeiten (zwischenzeitlich auch auf das Samentauschverzeichnis des Botanischen Gartens) ausgeweitet. Die Schedae-Hefte des von Prof. Dr. Josef POELT begründeten, inzwischen abgeschlossenen Exsiccatenwerkes Plantae Graecenses sind die Vorläufer dieser Schriftenreihe.

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FRITSCHIANA

Veröffentlichungen aus dem
Institut für Pflanzenwissenschaften
(Bereich Systematische Botanik und Geobotanik)
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Josef HAFELLNER

Additions and Corrections to the Checklist and Bibliography of Lichens and Lichenicolous Fungi of Insular Laurimacaronesia. IV.

pp. 1–28

Graz, 18. Dezember 2008

In diesem Heft vorgeschlagene Neukombination (p 23):
New combination proposed in this issue (p 23):

Pseudosagedia leptospora (Nyl.) Hafellner combinatio nova

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Additions and Corrections to the Checklist and Bibliography of Lichens and Lichenicolous Fungi of Insular Laurimacaronesia. IV.

Josef HAFELLNER

HAFELLNER J. 2008: Additions and corrections to the checklist and bibliography of lichens and lichenicolous fungi of insular Laurimacaronesia. IV. - Fritschiana 64: 1–28. – ISSN 1024-0306.

Abstract: Additional records of lichens and lichenicolous fungi for any one of the Laurimacaronesian archipelagos (Azores, Madeira group, Canary Islands) or the whole area are listed together with cross references to the original sources. Notes on several previously reported taxa are included. The new combination *Pseudosagedia leptospora* (Nyl.) Hafellner is proposed. This list is followed by additions to a lichenological bibliography for the area.

Zusammenfassung: In einer Liste werden weitere Nachweise von Flechten und lichenicolen Pilzen für einen der laurimakaronesischen Archipele (Azoren, Madeira, Kanarische Inseln) oder das gesamte Studiengebiet zusammen mit Kurzzitaten zu den Originalquellen zusammengestellt. Eingeschlossen sind Anmerkungen zu einigen früher gemeldeten Taxa. Die neue Kombination *Pseudosagedia leptospora* (Nyl.) Hafellner wird vorgeschlagen. Nachträge zur lichenologischen Bibliographie für das Gebiet bilden den zweiten Teil der Arbeit.

Josef Hafellner, Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Holteigasse 6, A-8010 Graz, Austria. E-mail: josef.hafellner@uni-graz.at.

Introduction

Since the publication of a new lichen checklist for the Laurimacaronesian area (HAFELLNER 1995), three sets of additions and corrections have been compiled (HAFELLNER 1999, 2002, 2005). Since the publication of the last set of updates in 2005, many additional records and a number of corrections to previously reported species have appeared in the literature. The present paper represents a compilation of these most recent species reports with cross references to their original bibliographic sources. As in the previous updates, complete data sets are given. However, in cases where full references to citations were already listed in the previously published bibliographies (such as 'TAVARES 1952'), these are not repeated here being traceable by consulting the previous issues.

The supplement to the bibliography contains not only publications in which additional taxa are recorded but also further references containing supplementary chorological data for previously reported taxa.

Since 2005, more than 170 additional lichen taxa and over 30 further lichenicolous fungi have been added to the list of taxa known in the "insular Laurimacaronesian" study area. and many species have been found on archipelagos on which they were not previously known. This clearly shows that the compilation of the checklist has fulfilled its purpose in encouraging lichenologists to search for additional taxa. The Azores in particular have recently received special attention with the publication of several major additions.

Furthermore, since the publication of "Additions III" various authors have prepared checklists for individual archipelagos of Macaronesia. The checklist for the Canary Islands (HERNÁNDEZ-PADRÓN 2004) is an updated version of a precursor published in 2001 and listed in "Additions III", while those for the other archipelagos are completely new: the Azores (FLORES RODRIGUES & APTROOT 2005), the Cape Verde Islands (SÁNCHEZ-PINTO & RODRÍGUEZ 2005), and Madeira plus Selvagens (CARVALHO et al. 2008b). Checklist data are also available on the Internet. In additon to the datasets for each archipelago housed on the server in Hamburg (FEUERER 2008), a databank was recently launched for the Azores (GABRIEL 2008).

A new version of the checklist is in preparation which will again make it easier to check which taxa occur on which archipelago.

As in the past, colleagues are kindly asked and invited to send copies of hitherto overlooked articles containing data on lichens or lichenicolous fungi from insular Macaronesia to the author.

Additions and Corrections

Abrothallus cetrariae I.Kotte
Host: *Platismatia glauca* (1)
A: BERGER & PRIEMETZHOFER 2008: 139 (1); M: KALB & HAFELLNER 1992: 47 (1); C: ETAYO 1996a: 94 (1)

Abrothallus chrysanthus Stein
Host: *Usnea rubicunda* (1)
A: BERGER & PRIEMETZHOFER 2008: 139 (1); M: -; C: -

Abrothallus hypotrachynae Etayo & Diederich
Host: *Hypotrachyna endochlora* (1), not mentioned (2)
A: FLORES RODRIGUES & APTROOT 2005: 233 (2); M: -; C: ETAYO 1996a: 94 (1, sub *A*. cf. *microspermus*)

Absconditella pauxilla Vězda & Vivant
A: -; M: PIŠÚT 2004: 14; C: -

Acarospora fuscata (Nyl.) Arnold
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: EGEA et al. 1987: 401

Acarospora lavicola J.Steiner
A: SCHUMM 2008: 4 (without locality); M: -; C: KLEMENT 1965: 558

Acarospora smaragdula (Wahlenb.) A.Massal.
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: -

Acrocordia macrospora A.Massal.
A: APTROOT & RODRIGUES 2005a: 274; M: KALB & HAFELLNER 1992: 49; C: HAFELLNER 1996c: 134

Agonimia opuntiella (Poelt & Buschardt) Vězda
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: -

Agonimia papillata (O.E.Erikss.) Diederich & Aptroot
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: APTROOT & RODRIGUES 2005b: 68
Ainoa mooreana (Carroll) Lumbsch & I.Schmitt
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: -
Amandinea endachroa (Malme) Marbach
A: BERGER & PRIEMETZHOFER 2008: 129; M: -; C: -
Amandinea lecideina (H.Mayrhofer & Poelt) Scheid. & H.Mayrhofer
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: -
Amandinea polyspora (Willey ex Tuck.) E.Lay & P.F.May
A: BERGER & PRIEMETZHOFER 2008: 129; M: -; C: -
Anaptychia elbursiana (Szatala) Poelt
A: -; M: -; C: ESSLINGER 2007: 792
Anema prodigulum (Nyl.) Henssen
A: -; M: -; C: SCHULTZ & BOOM 2007: 114
Anisomeridium polypori (Ellis & Everh.) M.E.Barr (syn. *A. nyssigenum* (Ellis & Everhart) R.C. Harris)
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: ETAYO 1996b: 150
Arctomia delicatula Th.Fr.
A: -; M: -; C: SCHULTZ & BOOM 2007: 115
Arthonia albopulverea Nyl. (syn. *Arthothelium crozalsianum* (de Lesd.) de Lesd.)
A: BERGER & APTROOT 2002: 2; M: -; C: BOOM & ETAYO 2006: 345
Arthonia apatetica (A.Massal) Th.Fr.
A: -; M: -; C: BOOM & ETAYO 2006: 345
Arthonia caesiella Nyl.
A: -; M: -; C: BOOM & ETAYO 2006: 345 (determination uncertain)
Arthonia cretacea Zahlbr.
A: BERGER & PRIEMETZHOFER 2008: 129; M: -; C: -
Arthonia excentrica Th.Fr.
Host: *Lepraria* spec. (1)
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 300 (1)
Arthonia ilicinella Nyl.
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: -
Arthonia muscigena Th.Fr.
A: APTROOT & RODRIGUES 2005b: 68; M: SERUSIAUX 1996: 220; C: HERNANDEZ PADRON et al. 2004: 260
Arthonia pruinata (Pers.) Steud. ex A.L.Sm. (syn. *A. impolita* (Hoffm.) Borrer)
A: APTROOT 1989: 59; M: -; C: BOOM 2007: 154
Arthonia punctiformis Ach.
A: BERGER & PRIEMETZHOFER 2008: 129; M: -; C: HAFELLNER 1995b: 137
Arthonia radiata (Pers.) Ach.
A: SCHUMM 2008: 11 (without locality); BERGER & PRIEMETZHOFER 2008: 129; M: KALB & HAFELLNER 1992: 51; C: TAVARES 1952: 356
Arthonia spadicea Leight.
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: -
Arthonia stellaris Kremp.
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: -
Aspicilia calcarea (L.) Mudd
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: TAVARES 1952: 368
Bacidia arceutina (Ach.) Arnold
A: APTROOT & RODRIGUES 2005a: 274; M: TAVARES 1952: 363; C: TAVARES 1952: 363

Bacidia caligans (Nyl.) A.L.Sm.
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: -
Bacidia canariensis Erichsen
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: TAVARES 1952: 363
Bacidia subincompta (Nyl.) Arnold (syn. *Bacidia affinis* (Stizenb.) Vain.)
A: -; M: TAVARES 1952: 363; C: BOOM & ETAYO 2006: 346
Bacidia thyrrenica Llop
A: -; M: -; C: LLOP et al. 2007: 447
Bacidia viridifarinosa Coppins & P.James
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: -
Bacidina inundata (Fr.) Vězda
A: BERGER & PRIEMETZHOFER 2008: 129; M: -; C: -
Biatora ocelliformis (Nyl.) Arnold
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: -
Biatorella flavella (Nyl.) Lettau
A: BERGER & PRIEMETZHOFER 2008: 129; M: -; C: TOPHAM & WALKER 1982: 62
Buellia dives (Th.Fr.) Th.Fr.
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: -
Buellia maritima (A.Massal.) Bagl.
A: -; M: -; C: BOOM & ETAYO 2006: 346
Note: According to BOOM & ETAYO (2006) the species is not synonymous with *B. stellulata* and is accepted here als independent species.
Buellia meiosperma (Nyl.) Müll.Arg.
A: BERGER & PRIEMETZHOFER 2008: 130; M: -; C: -
Buellia tesserata Körb. (syn. *B. cerussata* Llimona & Werner, *B. fimbriata* (Tuck.) Sheard)
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: SCHEIDEGGER 1991: 216 (map); EGEA & LLIMONA 1991: 187
Calicium chlorosporum F.Wilson
A: BERGER & PRIEMETZHOFER 2008: 130; M: -; C: -
Calicium glaucellum Ach.
A: -; M: -; C: CRITTENDEN et al. 1995: 278
Calopadia subcaerulescens (Zahlbr.) Vězda
A: BERGER & PRIEMETZHOFER 2008: 130; M: -; C: -
Caloplaca aegatica Giralt, Nimis & Poelt (syn. *C. aurantiaca* auct. pro parte)
A: -; M: GIRALT et al. 1992: 263; C: GIRALT et al. 1992: 263
Note: BOOM & ETAYO (2006) argue that the name might be a later synonym of *C. aurantiellina* Harmand.
Caloplaca albolutescens (Nyl.) H.Olivier
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: TAVARES 1952: 375
Caloplaca alociza (A.Massal.) Mig.
A: -; M: -; C: BOOM & ETAYO 2006: 346
Caloplaca arcis (Poelt & Vězda) Arup
A: -; M: -; C: VONDRAK et al. 2008: 13
Caloplaca aurantia (Pers.) Hellb.
A: TAVARES 1952: 375; M: -; C: BOOM & ETAYO 2006: 347
Caloplaca canariensis (Follmann & Poelt) Breuss (syn. *Fulgensia canariensis* Follmann & Poelt)
A: APTROOT & RODRIGUES 2005b: 68; M: KALB & HAFELLNER 1992: 65; C: FOLLMANN & POELT 1981: 370; FOLLMANN 1981b: 380

Caloplaca cerina (Ehrh.) Th.Fr. (var. *cerina*)
A: TAVARES 1952: 375; M: SCHUMM 2008: 19 (without locality); C: TAVARES 1952: 375 (incl. f. *fusca*)
Caloplaca cerinella (Nyl.) Flagey
A: -; M: -; C: BOOM 2007: 154
Caloplaca conversa (Kremp.) Jatta
A: APTROOT & RODRIGUES 2005a: 275; M: EGEA 1989b: 138; C: EGEA et al. 1987: 4
Caloplaca coronata (Kremp. ex Körb.) J.Steiner
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: -
Caloplaca dalmatica (A.Massal.) H.Olivier
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: -
Caloplaca epitoninia Breuss
Host: *Toninia aromatica* (1), *Toninia mesoidea* (2)
A: BERGER & PRIEMETZHOFER 2008: 130 (2); M: -; C: BREUSS 1990b: 328 (1)
Caloplaca flavocitrina (Nyl.) H.Olivier
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: BOOM 2007: 156
Caloplaca flavorubescens (Huds.) J.R.Laundon (syn. *C. aurantiaca* (Lightf.) Th. Fr.)
A: FLORES RODRIGUES & APTROOT 2005: 234; M: TAVARES 1952: 375; C: TAVARES 1952: 375 (doubtful records, cfr. GIRALT et al. 1992, records may refer to *C. aegatica*)
Caloplaca flavovirescens (Wulfen) Dalla Torre & Sarnth.
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: TAVARES 1952: 376
Caloplaca fuerteventurae P.Boom & Etayo
A: -; M: -; C: BOOM & ETAYO 2006: 347
Caloplaca lactea (A.Massal.) Zahlbr.
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: TAVARES 1952: 376 (incl. f. *rubescens*)
Caloplaca lithophila H.Magn.
A: -; M: -; C: BOOM & ETAYO 2006: 349
Caloplaca microthallina (Wedd.) Zahlbr.
A: BERGER & PRIEMETZHOFER 2008: 131; M: -; C: -
Caloplaca obscurella (J.Lahm ex Körb.) Th.Fr.
A: -; M: -; C: BOOM 2007: 156
Caloplaca ruderum (Malbr.) J.R.Laundon
A: BERGER & PRIEMETZHOFER 2008: 131; M: -; C: -
Caloplaca schoeferi Poelt
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 264
Caloplaca scopularis (Nyl.) Lettau
A: BERGER & PRIEMETZHOFER 2008: 131; M: -; C: -
Caloplaca thallincola (Wedd.) Du Rietz
A: SCHUMM 2008: 24 (without locality); M: -; C: -
Candelaria concolor (Dicks.) Stein
A: APTROOT & RODRIGUES 2005a: 275; M: -; C: ØSTHAGEN & KROG 1976: 223
Candelaria crawfordii (Müll.Arg.) M.Jørg. & D.Galloway
A: -; M: PIŠÚT 2004: 15; C: HAFELLNER 1996c: 135
Canoparmelia caroliniana (Nyl.) Elix & Hale (syn. *Pyxine azorea* Nyl.)
A: TAVARES 1952: 378; M: -; C: HAWKSWORTH et al. 2008: 6
Canoparmelia amabilis Heiman & Elix
A: SCHUMM 2008: 26 (without locality); M: -; C: -

Canoparmelia crozalsiana (de Lesd.) Elix et al. (syn. *Pseudoparmelia crozalsiana* (de Lesd.) Hale)
A: APTROOT & RODRIGUES 2005a: 275; M: ARVIDSSON & WALL 1985: 46; C: TAVARES 1952: 370

Carbonea vorticosa (Flörke) Hertel
A: BERGER & PRIEMETZHOFER 2008: 131; M: -; C: -

Catillaria atomarioides (Müll.Arg.) Kilias
A: BERGER & APTROOT 2002: 4; M: KALB & HAFELLNER 1992: 60; C: BOOM 2007: 156

Catillaria lenticularis subsp. *azorica* F.Berger & Priemetzhofer
A: BERGER & PRIEMETZHOFER 2008: 131; M: -; C: -

Cercidospora rinodinae Etayo & P.Boom
Host: *Rinodina conradii* (1)
A: -; M: -; C: ETAYO & BOOM 2005: 158 (1)

Cetrelia cetrarioides (Del. ex Duby) W.L.Culb. & C.F.Culb.
A: -; M: OBERMAYER 2007a: 2; OBERMAYER & MAYRHOFER 2007: 251; C: CHAMPION & SANCHEZ-PINTO 1978: 23

Cetrelia olivetorum (Nyl.) W.L.Culb. & C.F.Culb.
A: TAVARES 1952: 370; M: OBERMAYER & MAYRHOFER 2007: 269; C: TAVARES 1952: 370

Chaenotheca brunneola (Ach.) Müll.Arg.
A: BERGER & PRIEMETZHOFER 2008: 132; M: KALB & HAFELLNER 1992: 61; C: TOPHAM & WALKER 1982: 63

Chaenothecopsis viridireagens (Nádv.) A.F.W.Schmidt
A: -; M: -; C: TITOV 2006: 192

Chrysothrix chlorina (Ach.) J.R.Laundon
A: APTROOT & RODRIGUES 2005a: 275; M: FOLLMANN 1990: 100; C: HERNANDEZ PADRON et al. 1980: 203

Chrysothrix xanthina (Vain.) Kalb
A: -; M: -; C: KALB 2001: 144

Cladonia bacillaris (Ach.) Nyl.
A: BERGER & PRIEMETZHOFER 2008: 132; M: -; C: ØSTHAGEN & KROG 1976: 223

Cladonia cariosa (Ach.) Spreng.
A: APTROOT & RODRIGUES 2005a: 276; M: TAVARES 1952: 364; C: TAVARES 1952: 364

Cladonia fimbriata (L.) Fr.
A: PURVIS et al. 1998: 340; M: TAVARES 1952: 364 (incl. var. *simplex*); C: TAVARES 1952: 364 (incl. var. *simplex* and f. *exilis*)

Cladonia grayi G.Merr. ex Sandst.
A: BERGER & PRIEMETZHOFER 2008: 132; M: -; C: -

Cladonia ramulosa (With.) J.R.Laundon (syn. *Cladonia pityrea* (Flörke) Fr.)
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: TAVARES 1952: 365 (incl. f. *scyphifera*)

Clauzadea immersa (Hoffm.) Hafellner & Bellem.
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -

Clauzadea metzleri (Körb.) Clauzade & Cl.Roux ex D.Hawksw.
A: -; M: -; C: BOOM & ETAYO 2006: 350

Clauzadea monticola (Schaer.) Hafellner & Bellem. (syn. *Lecidea monticola* Schaer., *Protoblastenia monticola* (Schaer.) J.Steiner)
A: -; M: TAVARES 1952: 365; C: BOOM & ETAYO 2006: 350

Cliostomum flavidulum Hafellner & Kalb (syn. *Lecanora navarrensis* Etayo)
A: APTROOT & RODRIGUES 2005b: 68; M: KALB & HAFELLNER 1992: 61; C: ETAYO 1996b: 154 (sub *Lecanora navarrensis*)
Cliostomum tenerum (Nyl.) Coppins & S.Ekman
A: BERGER & PRIEMETZHOFER 2008: 132; M: -; C: -
Collema bachmannianum (Fink) Degel.
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -
Collema coccophorum Tuck.
A: -; M: -; C: SCHULTZ & BOOM 2007: 115
Collema crispum (L.) Weber ex F.H.Wigg.
A: APTROOT & RODRIGUES 2005b: 68; M: TAVARES 1952: 359; C: CHAMPION 1976: 27
Collema nigrescens (Huds.) DC. (syn. *Collema vespertilio* (Lightf.) Hoffm.)
A: PURVIS et al. 1998: 341; M: TAVARES 1952: 359; C: TAVARES 1952: 359
Collema tenax var. *ceranoides* (Borrer) Degel.
A: -; M: -; C: DEGELIUS 1954: 150
Coscinocladium gaditanum (Clemente) A.Crespo et al. (syn. *Lecanora lisbonensis* Samp.)
A: APTROOT & RODRIGUES 2005a: 276; M: TAVARES 1958b: 229; C: -
Cryptothecia subtecta Stirt.
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -
Dactylospora lobariella (Nyl.) Hafellner
Host: *Lobaria meridionalis* (1), *Lobaria pulmonaria* (2)
A: BERGER & PRIEMETZHOFER 2008: 140 (2); M: -; C: HAWKSWORTH 1982b: 83 (1)
Dactylospora parellaria (Nyl.) Arnold
Host: *Ochrolechia parella* (1), *Ochrolechia* spec. (1), *Pertusaria* spec. (3)
A: BERGER & PRIEMETZHOFER 2008: 140 (1); M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 301 (2, 3)
Degelia atlantica (Degel.) M.Jørg. & P.James (syn. *Parmeliella atlantica* Degel.)
A: TAVARES 1952: 359; M: TAVARES 1952: 359; C: HERNÁNDEZ-PADRÓN 2004: 68
Dermatocarpon luridum (With.) J.R.Laundon (syn. *Dermatocarpon weberi* (Ach.) W.Mann, *Dermatocarpon fluviatile* (Weber) Th.Fr.)
A: BERGER & PRIEMETZHOFER 2008: 132; M: TAVARES 1952: 355; C: -
Note: Determination of specimen from the Azores uncertain.
Dimelaena californica (H.Magn.) Sheard
A: -; M: -; C: BOOM & ETAYO 2006: 351
Dimelaena radiata (Tuck.) Hale & W.L.Culb. (syn. *Rinodina radiata* Tuck.)
A: APTROOT & RODRIGUES 2005b: 68; M: LLIMONA & WERNER 1975: 22; C: TAVARES 1952: 378
Dimerella frederici Kalb
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -
Diploschistes muscorum (Scop.) R.Sant. (syn. *Diploschistes bryophilus* (Ach.) Zahlbr.)
A: APTROOT 1989: 61; M: PIŠÚT 2004: 15; C: TAVARES 1952: 358
Diplotomma ambiguum (Ach.) Flagey (syn. *Buellia ambigua* (Ach.) Malme)
A: ARVIDSSON 1990: 17; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 270
Dirina massiliensis Durieu & Mont. (syn. *Dirina repanda* Fr.)
A: FLORES RODRIGUES & APTROOT 2005: 237; M: -; C: TAVARES 1952: 357
Dirina sorediata Müll.Arg. (syn. *D. massiliensis* f. *sorediata* (Müll.Arg.) Tehler)
A: FLORES RODRIGUES & APTROOT 2005: 237; M: EGEA 1989b: 138; C: HERNANDEZ PADRON et al. 1987a: 190; EGEA et al. 1987: 42

Dirina stenhammari (Fr. ex Stenh.) Poelt & Follmann
A: BERGER & PRIEMETZHOFER 2008: 133; M: -; C: FOLLMANN 1993: 178, 183 (map), 190
Endocarpon loscosii Müll.Arg.
A: -; M: -; C: BOOM & ETAYO 2006: 352
Endocarpon pallidum Ach.
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -
Endococcus brachysporus (Zopf) M.Brand & Diederich
Host: *Porpidia soredizodes* (1)
A: BERGER & PRIEMETZHOFER 2008: 140 (1); M: -; C: -
Endococcus verrucosus Hafellner
Host: *Aspicilia calcarea* (1)
A: -; M: -; C: BOOM & ETAYO 2006: 352 (1)
Erioderma mollissimum (Samp.) Du Rietz
A: PURVIS et al. 1998: 341; M: TAVARES 1952: 360; C: TAVARES 1952: 360
Farnoldia jurana (Schaer.) Hertel
A: -; M: -; C: BOOM & ETAYO 2006: 353
Fellhaneropsis vezdae (Coppins & P.James) Sérus. & Coppins (syn. *Fellhanera vezdae* (Coppins & P.James) V.Wirth)
A: APTROOT & RODRIGUES 2005a: 276; M: KALB & HAFELLNER 1992: 64; C: TOPHAM & WALKER 1982: 62
Fissurina dumastii Fée
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -
Flavoparmelia soredians (Nyl.) Hale
A: TAVARES 1952: 371; M: SCHUMM 2008: 47 (without locality); C: KLEMENT 1965: 566
Fuscidea arboricola Coppins & Tønsberg
A: PURVIS et al. 1998: 341; M: -; C: -
Gelatinopsis roccellae Etayo, Paz-Bermúdez & Diederich
Host: *Roccella* spec. (1)
A: -; M: -; C: BOOM & ETAYO 2006: 353 (1)
Gyalecta canariensis P.Boom & Vězda
A: -; M: -; C: BOOM & VĚZDA 2005: 255
Halecania ralfsii (Salwey) M.Mayrhofer
A: BERGER & PRIEMETZHOFER 2008: 133; M: -; C: -
Helocarpon pulverulum Th.Fr.
A: BERGER & PRIEMETZHOFER 2008: 133; M: -; C: -
Heppia arenacea M.Schultz
A: -; M: -; C: SCHULTZ & BOOM 2007: 116
Heppia conchiloba Tuck.
A: -; M: -; C: SCHULTZ & BOOM 2007: 117
Heppia echinulata Marton & Galun
A: -; M: -; C: SCHULTZ & BOOM 2007: 117
Herteliana taylorii (Salwey) P.James
A: HAWKSWORTH 1992b: 270; M: HAWKSWORTH 1992a: 270; C: BOOM 2007: 158
Heterodermia flabellata (Fée) D.D.Awasthi
A: APTROOT & RODRIGUES 2005a: 276; M: -; C: -
Heterodermia galactophylla (Tuck.) W.L.Culb.
A: SCHUMM 2008:59 (without locality); M: -; C: -

Heterodermia propagulifera (Vain.) J.P.Dey
A: SCHUMM 2008: 66 (without locality); M: KALB & HAFELLNER 1992: 67; C: -
Note: According to SCHUMM (2008) *Heterodermia propagulifera* is not conspecific with *H. japonica*.

Heteroplacidium contumescens (Nyl.) Breuss
A: -; M: -; C: BOOM & ETAYO 2006: 353

Heteroplacidium fusculum (Nyl.) Gueidan & Cl.Roux (syn. *Verrucaria fuscula* Nyl.)
Host: *Aspicilia calcarea* (1)
A: -; M: - C: BOOM & ETAYO 2006: 371 (1)

Heteroplacidium phaeocarpoides (Nyl.) Breuss
A: -; M: -; C: BOOM & ETAYO 2006: 353

Homostegia piggotii (Berk. & Broome) P.Karst. (?syn. *Phaeospora fritzei* Stein)
Hosts: *Parmelia saxatilis* (1), *Parmelia omphalodes* (2)
A: BERGER & PRIEMETZHOFER 2008: 141 (1); M: STEIN 1883: 233 (?as *Phaeospora fritzei*) (1); KALB & HAFELLNER 1992: 67 (1, 2); C: HAFELLNER 1996b: 3 (1)

Hypocenomyce anthracophila (Nyl.) P.James & Gotth.Schneid.
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: -

Hypogymnia maderensis (Tav.) D.Hawksw.
A: -; M: TAVARES 1952: 347; C: SCHUMM 2008: 72 (without locality)

Hypotrachyna microblasta (Vain.) Hale
A: APTROOT 1989: 62; M: -; C: HAWKSWORTH et al. 2008: 7

Hypotrachyna pulvinata (Fée) Hale
A: APTROOT 1989: 62; M: ELIX & SCHUMM 2003: 387; C: HAWKSWORTH et al. 2008: 7

Hypotrachyna rachista (Hale) Hale (syn. *Parmelia lobulifera* var. *sanguineoreagens* Degel.)
A: HAWKSWORTH et al. 2008: 7; M: TAVARES 1952: 371; C: -
Note: HAWKSWORTH et al. (2008) accepted *Hypotrachyna rachista* as independent species. *Hypotrachyna prolongata* (Kurok.) Hale will be deleted in the next version of the checklist.

Ionaspis ceracea (Arnold) Hafellner & Türk
A: BERGER & PRIEMETZHOFER 2008: 133; M: -; C: -

Ionaspis lacustris (With.) Lutzoni (syn. *Hymenelia lacustris* (With.) M.Choisy)
A: APTROOT & RODRIGUES 2005a: 277; M: KALB & HAFELLNER 1992: 68; C: -

Ionaspis aff. *lavata* H.Magn.
A: -; M: -; C: BOOM 2007: 158

Intralichen lichenicola (M.S.Christ. & D.Hawksw.) D.Hawksw. & M.S.Cole
Host: *Candelariella aurella* (1)
A: -; M: -; C: BOOM & ETAYO 2006: 353 (1)

Lambinonia strigulae (Elenkin & Woron.) Sérus. & Diederich
Host: *Strigula nitidula* (1)
A: -; M: -; C: SÉRUSIAUX & DIEDERICH 2005: 500 (1)

Lecanactis canariensis P.Boom & Etayo
A: -; M: -; C: BOOM & ETAYO 2006: 353

Lecania atrynoides M.Knowles
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: -

Lecania cuprea (A.Massal.) P.Boom & Coppins
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: -

Lecania hutchinsiae (Ach.) A.L.Sm.
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: BERGER & ETAYO 1998: 85

Lecania inundata (Hepp ex Körb.) M.Mayrhofer
A: BERGER & PRIEMETZHOFER 2008: 133; M: -; C: BOOM 2007: 159
Lecania naegelii (Hepp) Diederich & P.Boom (syn. *Bacidia naegelii* (Hepp) Zahlbr.)
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: TOPHAM & WALKER 1982: 61
Lecania poeltii P.Boom, Alonso & Egea
A: -; M: -; C: BOOM & ETAYO 2006: 355
Lecania turicensis (Hepp) Müll.Arg.
A: -; M: -; C: BOOM & ETAYO 2006: 355
Lecanographa subgrumulosa (Egea et al.) Egea & Torrente
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: -
Lecanora argentata (Ach.) Malme
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: ETAYO 1998: 94
Lecanora campestris (Schaer.) Hue
A: APTROOT & RODRIGUES 2005a: 277; M: TAVARES 1952: 368; C: TAVARES 1952: 368
Lecanora carpinea (L.) Vain.
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: HAFELLNER 1995c: 494
Lecanora cenisia Ach. (syn. *L. atrynea*)
A: APTROOT & RODRIGUES 2005b: 68; M: -; C: TAVARES 1952: 368
Lecanora chlarotera Nyl.
A: PURVIS et al. 1998: 341; LOPEZ DE SILANES & PAZ BERMUDEZ 2003: 78; M: TAVARES 1952: 368; C: TAVARES 1952: 368
Lecanora confusa Almb.
A: PURVIS et al. 1998: 341; M: FOLLMANN 1990: 100; C: CHAMPION 1976: 28
Lecanora galactiniza Nyl.
A: -; M: -; C: BOOM & ETAYO 2006: 357
Lecanora gangaleoides Nyl.
A: BERGER & PRIEMETZHOFER 2008: 134; M: TAVARES 1952: 368; C: TAVARES 1952: 368
Lecanora hagenii (Ach.) Ach.
A: APTROOT & RODRIGUES 2005b: 69; M: -; C: BOOM & ETAYO 2006: 358
Lecanora hybocarpa (Tuck.) Brodo
A: APTROOT & RODRIGUES 2005a: 277; M: -; C: BOOM & ETAYO 2006: 358
Lecanora intumescens (Rebent.) Rabenh.
A: APTROOT & RODRIGUES 2005a: 277; M: KALB & HAFELLNER 1992: 69; C: -
Lecanora jamesii J.R.Laundon
A: PURVIS et al. 1998: 341; M: KALB & HAFELLNER 1992: 69; C: CHAMPION 1976: 28
Lecanora leprosa Fée
A: APTROOT & RODRIGUES 2005b: 69; M: TAVARES 1952: 369; C: TAVARES 1952: 369
Lecanora orosthea (Ach.) Ach.
A: APTROOT & RODRIGUES 2005b: 69; M: -; C: CHAMPION 1976: 28
Lecanora pannonica Szatala
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 273
Lecanora pulicaris (Pers.) Ach. (syn. *Lecanora chlarona* (Ach.) Nyl.)
A: APTROOT & RODRIGUES 2005b: 69; M: TAVARES 1952: 368; C: TAVARES 1952: 368
Lecanora schistina (Nyl.) Arnold (syn. *Lecanora praepostera* Nyl.)
A: BERGER & PRIEMETZHOFER 2008: 134; M: EGEA 1989b: 138; C: TAVARES 1952: 369

Lecanora strobilina (Spreng.) Kieff.
A: APTROOT & RODRIGUES 2005b: 69; M: GIRALT & GOMEZ-BOLEA 1991: 111; C: ETAYO 1998: 94

Lecanora subrugosa Nyl.
A: BERGER & PRIEMETZHOFER 2008: 134; M: -; C: KLEMENT 1965: 562

Lecanora sulphurella Hepp (syn. *Lecanora luteola*)
A: APTROOT & RODRIGUES 2005a: 277; M: TAVARES 1952: 369; C: TAVARES 1952: 369

Lecidea phaeops Nyl.
A: HAWKSWORTH & COPPINS 1992: 333; M: -; C: CRITTENDEN et al. 1995: 284

Lecidea swartzioidea Nyl.
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 274

Lempholemma botryosum (A.Massal.) Zahlbr.
A: -; M: -; C: BOOM 2007: 159

Lempholemma polyanthes (Berh.) Malme
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 274

Lepraria borealis Lohtander & Tønsberg
A: -; M: -; C: KUKWA 2006: 294

Lepraria isidiata (Llimona) Llimona & A.Crespo
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: -

Lepraria santosii Arguello & A.Crespo
A: -; M: -; C: CRESPO et al. 2006: 218

Leptogium biatorinum (Nyl.) Leight.
A: -; M: -; C: SCHULTZ & BOOM 2007: 118

Leptogium intermedium (Ach.) Ach.
A: -; M: PIŠÚT 2004: 15; C: BERGER & ETAYO 1998: 75

Leptogium subaridum M.Jørg. & Goward
A: -; M: -; C: BOOM 2007: 159

Leptogium teretiusculum (Flörke) Arnold
A: APTROOT & RODRIGUES 2005b: 69; M: -; C: HERNANDEZ PADRON et al. 1980: 204

Lichenodiplis lecanorae (Vouaux) Dyko & D.Hawksw. (syn. *Diplodina lecanorae* Vouaux)
Host: *Caloplaca cerina* (1), *Caloplaca* spec. (2), *Pertusaria hymenea* (3), *Lecanora* spec. (4), not mentioned (5)
A: BERGER & APTROOT 2002: 9 (3) identification uncertain, FLORES RODRIGUES & APTROOT 2005: 239 (5), BERGER & PRIEMETZHOFER 2008: 140 (4); M: KALB & HAFELLNER 1992: 70 (2); C: PITARD & HARMAND 1911: 69 (1)

Lichenosticta alcicornaria (Linds.) D.Hawksw.
Host: *Cladonia fimbriata* (1), *Cladonia stereoclada* (2)
A: BERGER & PRIEMETZHOFER 2008: 140 (2); M: KALB & HAFELLNER 1992: 71 (1); C: -

Lichenostigma canariense Etayo & P.Boom (as "*L. canariensis*")
Host: *Aspicilia calcarea* (1)
A: -; M: - C: BOOM & ETAYO 2006: 359 (1)

Lichenostigma cosmopolites Hafellner & Calatayud
Host: *Xanthoparmelia somloensis* (1), *Xanthoparmelia tinctina* (2), *Xanthoparmelia conspersa* (3)
A: BERGER & PRIEMETZHOFER 2008: 141 (3); M: - C: HAFELLNER & CALATAYUD 1999: 108 (1, 2)

Lichenostigma episulphurella Etayo & P.Boom
Host: *Lecanora sulphurella* (1)
A: -; M: - C: BOOM & ETAYO 2006: 360 (1)
Lichenostigma rugosa G.Thor
Host: *Diploschistes scruposus* (1)
A: BERGER & PRIEMETZHOFER 2008: 141 (1); M: -; C: SANTESSON 1994a: 14 (1)
Lichenostigma semiimmersa Hafellner
Host: *Buellia zoharyi* (1)
A: -; M: - C: BOOM & ETAYO 2006: 362 (1)
Megalospora tuberculosa (Fée) Sipman
A: TAVARES 1952: 375; M: SCHUMM 2008: 100 (without locality); C: -
Melanohalea subelegantula (Essl.) O.Blanco et al. (syn. *Melanelia subelegantula* (Essl.) Essl.)
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 278
Menegazzia terebrata (Hoffm.) A.Massal. (syn. *Menegazzia pertusa* (Schrank) Stein)
A: PURVIS 1992h: 371; M: TAVARES 1952: 370; C: HAWKSWORTH et al. 2008: 9
Micarea adnata Coppins
A: APTROOT & RODRIGUES 2005a: 278; M: COPPINS 1992d: 375; C: -
Micarea misella (Nyl.) Hedl.
A: BERGER & PRIEMETZHOFER 2008: 134; M: -; C: -
Micarea synotheoides (Nyl.) Coppins
A: PURVIS et al. 1998: 342; M: KALB & HAFELLNER 1992: 73; C: TOPHAM & WALKER 1982: 67
Micarea xanthonica Coppins & Tønsberg
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: -
Muellerella atricola (Linds.) Sacc. & D.Sacc.
Host: *Tephromela atra* (1)
A: -; M: HAFELLNER 2007a: 108 (1) C: -
Muellerella erratica (A.Massal.) Hafellner & V.John (?syn. *Muellerella pygmaea* var. *athallina* (Müll. Arg.) Triebel)
Host: *Aspicilia* spec. (1)
A: -; M: - C: BOOM & ETAYO 2006: 363 (1)
Muellerella lichenicola (Sommerf.) D.Hawksw.
Host: sterile corticolous(!) thallus (1), not mentioned (2)
A: FLORES RODRIGUES & APTROOT 2005: 240 (2); M: -; C: PITARD & HARMAND 1911: 71 (1) (doubtful)
Muellerella pygmaea (Körb.) D.Hawksw.
Hosts: *Bellemerea alpina* (1), *Lecanora intricata* (2), *Lecidea fuscoatra* (3), *Lecidea fuscoatra* var. *grisella* (4), *Lecidea* spec. (5) *Rhizocarpon lavatum* (6), *Rinodina* spec. (7)
A: BERGER & PRIEMETZHOFER 2008: 141 (7); M: KALB & HAFELLNER 1992: 74 (1, 2, 4, 5, 6); C: TRIEBEL 1989: 161 (3)
Mycomicrothelia atlantica D.Hawksw. & Coppins
A: BERGER & PRIEMETZHOFER 2008: 134; M: -; C: -
Naetrocymbe punctiformis (Pers.) R.C.Harris (syn. *Arthopyrenia punctiformis* (Pers.) A.Massal.)
A: APTROOT & RODRIGUES 2005a: 274; M: -; C: TAVARES 1952: 355
Nephroma tangeriense (Maheu & A.Gillet) Zahlbr.
A: BERGER & PRIEMETZHOFER 2008: 134; M: JAMES & WHITE 1987: 261; C: JAMES & WHITE 1987: 261

Nigromacula hypotrachynae Etayo
Host: *Hypotrachyna microblasta* (1)
A: BERGER & PRIEMETZHOFER 2008: 141 (1); M: -; C: SANTESSON 1994a: 14 (1)
Ochrolechia alboflavescens (Wulfen) Zahlbr.
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 280
Ochrolechia androgyna (Hoffm.) Arnold
A: APTROOT & RODRIGUES 2005b: 69; M: TAVARES 1952: 369; C: ETAYO 1998: 98; BERGER & ETAYO 1998: 86
Ochrolechia anomala (Harm.) Verseghy
A: -; M: SCHUMM 2008: 126 (without locality); C: -
Ochrolechia inversa (Nyl.) J.R.Laundon
A: PURVIS et al. 1998: 342; M: -; C: CHAMPION 1976: 29
Opegrapha calcarea Sm. (syn. *Opegrapha chevallieri* Leight.)
A: APTROOT & RODRIGUES 2005b: 69; M: TAVARES 1952: 356; C: FOLLMANN & KLEMENT 1970: 825
Opegrapha herbarum Mont.
A: APTROOT & RODRIGUES 2005b: 69; M: -; C: GIL GONZALEZ ET AL. 1990: 108
Opegrapha multipuncta Coppins & P.James
A: APTROOT & RODRIGUES 2005b: 69; M: -; C: -
Opegrapha niveoatra (Borrer) J.R.Laundon (syn. *Opegrapha dubia* Leight. ex Arnold, *Opegrapha subsiderella* (Nyl.) Arnold)
A: APTROOT & RODRIGUES 2005b: 69; M: KALB & HAFELLNER 1992: 77; C: TAVARES 1952: 356
Opegrapha prosodea Ach. (syn. *Opegrapha taxicola* Leight.)
A: APTROOT & RODRIGUES 2005b: 69; M: TAVARES 1952: 357; C: -
Opegrapha rufescens Pers. (syn. *Opegrapha herpetica* (Ach.) Ach.)
A: APTROOT & RODRIGUES 2005a: 278, FLORES RODRIGUES & APTROOT 2005: 240; M: TAVARES 1952: 356; C: -
Opegrapha subelevata (Nyl.) Nyl.
A: -; M: EGEA 1989b: 95; C: HERNÁNDEZ PADRÓN et al. 2004: 281
Opegrapha submaritima Hafellner
Host: *Tephromela atra* (1)
A: -; M: - C: HAFELLNER 2007a: 110 (1)
Opegrapha varia Pers. (syn. *Opegrapha diaphora* Ach., *Opegrapha lichenoides* Pers.)
A: APTROOT & RODRIGUES 2005b: 69; M: TAVARES 1952: 356, 357; C: TAVARES 1952: 356, 357
Pannaria tavaresii M.Jørg.
A: SCHUMM 2008: 137 (without locality); BERGER & PRIEMETZHOFER 2008: 134; M: JØRGENSEN 1978: 68; C: JØRGENSEN 1978: 68
Paranectria oropensis (Cesati) D.Hawksw. & Piroz.
Host: *Physconia subpulverulenta* (1), *Leprocaulon microscopicum* (2)
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 302 (1, 2)
Parmelina pastillifera (Harm.) Hale
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 281
Parmelinopsis cryptochlora (Vain.) Elix & Hale
A: APTROOT 1989: 63; M: -; C: HAWKSWORTH et al. 2008: 14
Parmelinopsis minarum (Vain.) Elix & Hale
A: PURVIS et al. 1998: 342; M: SCHUMM 2008: 141 (without locality); C: ETAYO 1998: 99

Parmelinopsis subfatiscens (Kurok.) Elix & Hale
A: SCHUMM 2008: 143; M: -; C: -
Parmotrema bangii (Vain.) Hale
A: RODRIGUES et al. 2004: 74; M: SCHUMM 2008: 147 (without locality); C: ØSTHAGEN & KROG 1976: 228
Parmotrema nilgherrense (Nyl.) Hale
A: -; M: -; C: SCHUMM 2008: 144 (without locality)
Parmotrema subisidiosum (Müll.Arg.) Hale (syn. *Rimelia subisidiosa* (Müll. Arg.) Hale & A. Fletcher)
A: ARVIDSSON 1990: 23; M: -; C: HAWKSWORTH et al. 2008: 15
Peccania arabica (Müll.Arg.) Henssen
A: -; M: -; C: SCHULTZ & BOOM 2007: 121
Peccania fontqueriana P.Moreno & Egea
A: -; M: -; C: SCHULTZ & BOOM 2007: 122
Peccania teretiuscula (Flagey) Henssen
A: -; M: -; C: SCHULTZ & BOOM 2007: 123
Peltula bolanderi (Tuck.) Wetmore
A: -; M: -; C: SCHULTZ & BOOM 2007: 123
Peltula farinosa Büdel
A: -; M: -; C: SCHULTZ & BOOM 2007: 124
Peltula obscurans (Nyl.) Gyeln. var. *deserticola* (Zahlbr.) Wetmore
A: -; M: -; C: SCHULTZ & BOOM 2007: 124
Peltula obscurans (Nyl.) Gyeln. var. *hassei* (Zahlbr.) Wetmore
A: -; M: -; C: SCHULTZ & BOOM 2007: 124
Peltula obscuratula (Nyl.) Poelt ex Egea
A: -; M: -; C: SCHULTZ & BOOM 2007: 126
Peltula radicata Nyl.
A: -; M: -; C: SCHULTZ & BOOM 2007: 126
Peltula rodriguesii (Cromb.) Büdel
A: -; M: -; C: SCHULTZ & BOOM 2007: 127
Pertusaria amarescens Nyl.
A: APTROOT & RODRIGUES 2005b: 69; M: -; C: KLEMENT 1965: 559
Pertusaria dispar J.Steiner
A: SCHUMM 2008: 159 (without locality); M: -; C: BREUSS 1988: 838
Pertusaria flavicans Lamy
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: HERNANDEZ PADRON et al. 2004: 284
Pertusaria flavocorallina Coppins & Muhr
A: BERGER & PRIEMETZHOFER 2008: 134; M: -; C: -
Pertusaria hemisphaerica (Flörke) Erichsen
A: -; M: KALB & HAFELLNER 1992: 78; C: CRITTENDEN et al. 1995: 289
Pertusaria heterochroa (Müll.Arg.) Erichsen
A: BERGER & PRIEMETZHOFER 2008: 135; M: KALB & HAFELLNER 1992: 79; C: HANKO 1983: 85
Pertusaria lactea (L.) Arnold
A: APTROOT & RODRIGUES 2005b: 70; M: -; C: -
Pertusaria leioplaca DC.
A: APTROOT & RODRIGUES 2005a: 278; M: TAVARES 1952: 367; C: TAVARES 1952: 367
Pertusaria maximiliana Klem.
A: PURVIS et al. 1998: 342; M: KALB & HAFELLNER 1992: 79; C: -

Pertusaria melanochroa (DC.) Nyl.
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: -
Pertusaria pertusa (Weigel) Tuck.
A: TAVARES 1952: 367; M: PIŠÚT 2004: 16; C: TAVARES 1952: 367
Pertusaria pupillaris (Nyl.) Th.Fr.
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: TOPHAM & WALKER 1982: 70
Pertusaria slesvicensis Erichsen
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 285
Peterjamesia circumscripta (Taylor) D.Hawksw. (syn. *Sclerophyton circumscriptum* (Taylor) Zahlbr., *Sclerophytomyces circumscriptus* (Taylor) Sparrius & P.James var. *circumscriptus*)
A: TAVARES 1958b: 225; M: EGEA 1989b: 138; C: TAVARES 1952: 357 (incl. f. *pruinosum*)
Note: *Sclerophyton circumscriptum* (Taylor) Zahlbr. has recently been transferred to the genus *Sclerophytomyces* by SPARRIUS (2004), but HAWKSWORTH (Lichenologist 38: 189, 2006) has shown, that this generic name cannot be used and therefore described a new genus.
Peterjamesia sorediata (Sparrius, P.James & M.A.Allen) D.Hawksw. (syn. *Sclerophytomyces circumscriptus* var. *sorediatus* Sparrius, P.James & M.A.Allen)
A: -; M: -; C: SPARRIUS et al. 2005: 285
Phacopsis vulpina Tul.
Host: *Letharia vulpina* (1)
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 302 (1)
Phaeocalicium interruptum (Nyl.) Tibell
A: -; M: TITOV 2006: 217; C: -
Phaeographis smithii (Leight.) de Lesd.
A: APTROOT & RODRIGUES 2005b: 70; M: KALB & HAFELLNER 1992: 79; C: -
Phaeophyscia endophoenicea (Harm.) Moberg
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: -
Phaeospora rimosicola (Leight. ex Mudd) Hepp
Host: *Rhizocarpon obscuratum* (1)
A: BERGER & PRIEMETZHOFER 2008: 141 (1); M: -; C: -
Phaeosporobolus alpinus R.Sant., Alstrup & D.Hawksw.
Host: *Pertusaria albescens* (1)
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 302 (1)
Phaeosporobolus usneae D.Hawksw. & Hafellner
Host: *Lethariella intricata* (1), *Usnea subscabrosa* (2)
A: BERGER & PRIEMETZHOFER 2008: 141 (2); M: -; C: HAWKSWORTH & HAFELLNER 1986: 526 (1)
Phloeopeccania pulvinulina J.Steiner
A: -; M: -; C: SCHULTZ & BOOM 2007: 127
Phlyctis argena (Spreng.) Flot.
A: APTROOT & RODRIGUES 2005b: 70; M: -; C: HAFELLNER 1995c: 495
Phoma dubia (Linds.) Sacc. & A.Trotter
Host: *Usnea esperantiana* (1)
A: BERGER & PRIEMETZHOFER 2008: 141 (1); M: -; C: -
Phoma peltigerae (P.Karst.) D.Hawksw.
Host: *Peltigera* spec. (1)
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 303 (1)
Phylloblastia inexpectata Sérus., Coppins & Lücking
A: -; M: SERUSIAUX et al. 2007b: 104; C: -

Phyllopsora breviuscula (Nyl.) Müll.Arg.
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: -
Physcia dimidiata (Arnold) Nyl.
A: APTROOT & RODRIGUES 2005a: 278; M: KALB & HAFELLNER 1992: 81; C: TAVARES 1952: 378
Physcia tribacia (Ach.) Nyl.
A: APTROOT & RODRIGUES 2005a: 278; M: ARVIDSSON & WALL 1985: 46; C: TAVARES 1952: 379
Physconia thorstenii A.Crespo & Divakar
A: -; M: -; C: DIVAKAR et al. 2007: 1315
Placidium squamulosum (Ach.) Breuss (syn. *Catapyrenium squamulosum* (Ach.) Breuss)
A: APTROOT & RODRIGUES 2005b: 70; M: -; C: BREUSS 1990a: 114
Placidium tenellum (Breuss) Breuss (syn. *Catapyrenium tenellum* Breuss)
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: BREUSS 1996: 532
Placopyrenium bucekii (Nádv. & Servít) Breuss
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: BREUSS 1987: 182
Placynthiella dasaea (Stirt.) Tønsberg
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: BOOM 2007: 161
Placynthiella icmalea (Ach.) Coppins & P.James
A: PURVIS et al. 1998: 340; M: -; C: HERNANDEZ PADRON et al. 1992: 147
Placynthium tremniacum (A.Massal.) Jatta
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: HAFELLNER 1995a: 431
Polycoccum microsticticum (Leight.) Arnold
Host: *Acarospora* spec. (1)
A: -; M: -; C: ETAYO & BOOM 2005: 160 (1)
Polycoccum squamarioides (Mudd) Arnold (syn. *Discothecium squamarioides* (Mudd) Keissl.)
Host: *Pertusaria multipuncta* (1), *Placopsis gelida* (2), not mentioned (3)
A: BERGER & PRIEMETZHOFER 2008: 141 (2); M: -; C: PITARD & HARMAND 1911: 71 (3)
Note: The host (1) of the specimen cited by PITARD & HARMAND (l. c.) was mentioned by RONDON (1969: 739).
Porina ahlesiana (Körb.) Zahlbr.
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: -
Porina atlantica (Erichsen) M.Jørg.
A: FLORES RODRIGUES & APTROOT 2005: 242; M: -; C: ERICHSEN 1926: 276
Note: According to SÉRUSIAUX et al. (2007a: 16) earlier records of *Porina guaranitica* auct. europ. p. p., *P. heterospora* auct. europ. p. p., *P. mastoidea* auct. europ. p. p., *P. nucula* auct. europ. p. p., from Macaronesia refer to either *P. atlantica* or the newly described *P. effilata*. Furthermore *P. isidiata*, based on a type from Madeira, is reduced to synonymy under *P. atlantica*. All of these species names will therefore be deleted from the next version of the checklist.
Porina effilata M.Brand & Sérus.
A: -; M: SERUSIAUX et al. 2007a: 24; C: SERUSIAUX et al. 2007a: 24
Porina ocoteae M.Brand & Sérus.
A: SERUSIAUX et al. 2007a: 28; M: -; C: SERUSIAUX et al. 2007a: 28
Porpidia contraponenda (Arnold) Knoph & Hertel
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: -
Porpidia platycarpoides (Bagl.) Hertel
A: PURVIS et al. 1994: 39; M: -; C: BOOM 2007: 161

Porpidia soredizodes (Lamy ex Nyl.) J.R.Laundon
A: BERGER & PRIEMETZHOFER 2008: 137; M: -; C: -
Porpidia tuberculosa (Sm.) Hertel & Knoph
A: APTROOT & RODRIGUES 2005a: 279; M: KALB & HAFELLNER 1992: 84; C: -
Protoparmelia hypotremella Herk, Spier & V.Wirth
A: -; M: -; C: BOOM 2007: 161
Protoparmelia ochrococca (Nyl.) M.Jørg.
A: -; M: -; C: HERNANDEZ PADRON et al. 2004: 290
Protoparmeliopsis muralis (Schreb.) M.Choisy (syn. *Lecanora muralis* (Schreb.) Rabenh.)
A: APTROOT & RODRIGUES 2005a: 277; M: TAVARES 1952: 369; C: TAVARES 1952: 369
Protothelenella santessonii H.Mayrhofer
Host: *Cladonia* spec. (1)
A: BERGER & PRIEMETZHOFER 2008: 141 (1); M: -; C: -
Pseudosagedia guentheri (Flot.) Hafellner & Kalb (syn. *Porina guentheri* (Flot.) Zahlbr.)
A: APTROOT & RODRIGUES 2005a: 278; M: -; C: HAFELLNER 1996C: 139
Pseudosagedia leptospora (Nyl.) Hafellner (syn. *Porina leptospora* (Nyl.) A.L.Sm.)
A: SÉRUSIAUX et al. 2007a: 27; M: -; C: SÉRUSIAUX et al. 2007a: 27
Psilolechia lucida (Ach.) M.Choisy
A: BERGER & PRIEMETZHOFER 2008: 135; M: ARVIDSSON & WALL 1985: 47; C: TOPHAM & WALKER 1982: 72
Psoroglaena stigonemoides (Orange) Henssen (syn. *Macentina stigonemoides* Orange, *Leucocarpia stigonemoides* (Orange) Hafellner & Kalb)
A: APTROOT & RODRIGUES 2005a: 278; M: KALB & HAFELLNER 1992: 70; C: ETAYO 1998: 102
Psorotichia hassei Fink
A: -; M: -; C: SCHULTZ & BOOM 2007: 128
Psorula rufonigra (Tuck.) Gotth.Schneid.
Host: *Spilonema revertens* (1)
A: -; M: -; C: SCHULTZ & BOOM 2007: 131 (1)
Punctelia jeckeri (Roum.) Kalb (syn. *Punctelia ulophylla* (Ach.) Herk & Aptroot
A: -; M: -; C: HAWKSWORTH et al. 2008: 15
Pyrenopsis conferta (Born.) Nyl.
A: -; M: -; C: SCHULTZ & BOOM 2007: 130
Pyrenopsis sanguinea Anzi
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: -
Pyrenopsis subareolata Nyl.
A: -; M: -; C: SCHULTZ & BOOM 2007: 130
Note: According to SCHULTZ & BOOM (2007) the earlier record of *Pyrenopsis rhodosticta* most likely belongs here. The later species belongs to *Cryptothele* and is not known with certainty from Macaronesia. It will therefore be deleted from the next version of the checklist.
Pyrenopsis triptococca Nyl.
A: BERGER & PRIEMETZHOFER 2008: 135; M: -; C: EGEA et al. 1987: 44
Pyrenula acutispora Kalb & Hafellner (syn. *Pyrenula kakouettae* Sérus. & Diederich)
A: BERGER & APTROOT 2002: 7; M: KALB & HAFELLNER 1992: 84; C: SÉRUSIAUX & COPPINS 2008: 522

Pyrenula laevigata (Pers.) Arnold
A: BERGER & PRIEMETZHOFER 2008: 135; M: KALB & HAFELLNER 1992: 85; C: BREUSS 1988: 840

Pyrrhospora quernea (Dicks.) Körb. (syn. *Lecidea qu*.)
A: RODRIGUES et al. 2004: 74; M: -; C: TAVARES 1952: 362

Pyxine subcinerea Stirt.
A: RODRIGUES et al. 2004: 74; M: ARVIDSSON & WALL 1985: 47; C: ØSTHAGEN & KROG 1976: 236

Ramalina azorica Aptroot & Schumm
A: APTROOT & SCHUMM 2008: 24; M: -; C: -

Ramalina canariensis J.Steiner
A: TAVARES 1952: 372; M: APTROOT & SCHUMM 2008: 26; C: TAVARES 1952: 372

Ramalina capitata (Ach.) Nyl.
A: -; M: APTROOT & SCHUMM 2008: 27; C: CHAMPION 1976: 30 (included in *R. polymorpha* by KROG & ØSTHAGEN 1980b)

Ramalina chondrina J.Steiner (syn. *Alectoria glauca* Bystrek)
A: APTROOT & SCHUMM 2008: 29; M: TAVARES 1952: 372; C: ØSTHAGEN & KROG 1976: 234

Ramalina crispatula Despr. ex Nyl. (syn. *Ramalina bourgeana* f. *sublaevigata* Nyl., *Ramalina pollinaria* var. *phycoides* Mont.)
A: BERGER & PRIEMETZHOFER 2008: 136; M: TAVARES 1952: 372; C: TAVARES 1952: 372

Ramalina cupularis Krog & P.James
A: APTROOT & SCHUMM 2008: 32; M: APTROOT & SCHUMM 2008: 32; C: KROG & ØSTHAGEN 1980b: 269

Ramalina deminuta Krog & Østh.
A: APTROOT & SCHUMM 2008: 28; M: -; C: KROG & ØSTHAGEN 1980b: 271

Ramalina implectens Nyl.
A: RODRIGUES et al. 2004: 74; M: -; C: TAVARES 1952: 373

Ramalina lusitanica H.Magn.
A: APTROOT & RODRIGUES 2005b: 70; M: -; C: [CHAMPION 1976: 30]
Note: According to KROG & ØSTHAGEN (1980b) the specimen cited by CHAMPION (l. c.) belongs to *R. mollis*.

Ramalina mollis Krog & Østh.
A: BERGER & PRIEMETZHOFER 2008: 136; M: -; C: ØSTHAGEN & KROG 1976: 234

Ramalina peruviana Ach.
A: APTROOT 1989: 64; M: APTROOT & SCHUMM 2008: 27; C: APTROOT & SCHUMM 2008: 27

Ramalina rubrotincta Krog & Østh.
A: -; M: -; C: KROG & ØSTHAGEN 1978: 57

Ramalina siliquosa (Huds.) A.L.Sm.
A: TAVARES 1952: 373 (incl. var. *incrassata*), BERGER & PRIEMETZHOFER 2008: 136; M: TAVARES 1952: 373 (incl. f. *tenuis*); C: TAVARES 1952: 373 (incl. var. *cornuata*, var. *incrassata*, var. *spinulosa* and var. *subulata*)
Note: According to BERGER & PRIEMETZHOFER (2008) citing KROG & ØSTHAGEN (1980) as primary source for this information, older records of *R. siliquosa* are doubtful. Only the presence of the species on the Azores is so far confirmed.

Ramalina subwebbiana Nyl.
A: -; M: -; C: NYLANDER 1870: 158, APTROOT & SCHUMM 2008: 31
Note: According to APTROOT & SCHUMM (2008) *R. subwebbiana* is not a synonym of *R. decipiens* but a distinguishable taxon.

Ramalina wirthii Aptroot & Schumm
A: APTROOT & SCHUMM 2008: 25; M: -; C: -

Ramboldia lusitanica (Räsänen) Kalb, Lumbsch & Elix (syn. *Pyrrhospora lusitanica* (Räsänen) Hafellner, *Protoblastenia lusitanica* Räsänen)
A: PURVIS et al. 1998: 343; M: KALB & HAFELLNER 1992: 86; C: HERNANDEZ PADRON et al. 1980: 207

Ramonia subsphaeroides (Tav.) Vězda
A: -; M: -; C: BOOM 2007: 162

Rhizocarpon badioatrum (Flörke ex Spreng.) Th.Fr.
A: APTROOT & RODRIGUES 2005a: 279; M: -; C: TAVARES 1952: 364 (incl. var. *atroalbum*)

Rhizocarpon infernulum (Nyl.) Lynge
A: BERGER & PRIEMETZHOFER 2008: 136; M: -; C: -

Rhizocarpon postumum (Nyl.) Arnold
A: BERGER & PRIEMETZHOFER 2008: 137; M: -; C: -

Rhizocarpon umbilicatum (Ramond) Flagey
A: APTROOT & RODRIGUES 2005a: 279; M: -; C: -

Rinodina canariensis Matzer, H.Mayrhofer & P.Clerc
A: BERGER & PRIEMETZHOFER 2008: 137; M: MATZER et al. 1994: 105; C: MATZER et al. 1994: 105

Rinodina colobinoides (Nyl.) Zahlbr.
A: APTROOT & RODRIGUES 2005a: 279; M: -; C: -

Rinodina confragosa (Ach.) Körb.
A: APTROOT & RODRIGUES 2005a: 279; M: -; C: TAVARES 1952: 378

Rinodina ericina (Nyl.) Giralt (syn. *Buellia ericina* Nyl., *Rinodina madeirensis* Kalb & Hafellner)
A: APTROOT & RODRIGUES 2005a: 279; M: KALB & HAFELLNER 1992: 87; C: TOPHAM & WALKER 1982: 62

Rinodina exigua (Ach.) Gray
A: APTROOT & RODRIGUES 2005a: 279; M: TAVARES 1952: 378; C: NARANJO & SANTOS 1982: 54; TOPHAM & WALKER 1982: 73
Note: According to GIRALT & MAYRHOFER (1994: 134) the records of *R. exigua* from the Canary Islands may refer to *R. capensis*.

Rinodina mniaraea (Ach.) Körb.
A: APTROOT & RODRIGUES 2005a: 279; M: -; C: -

Rinodina oxydata (A.Massal.) A.Massal.
A: BERGER & PRIEMETZHOFER 2008: 137; M: EGEA 1989b: 138; C: TAVARES 1952: 378

Rinodina septentrionalis Malme
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 294

Roselliniella africana Diederich
Host: *Usnea* spec. (1)
A: BERGER & PRIEMETZHOFER 2008: 142 (1); M: -; C: -

Sarcogyne regularis Körb.
A: BERGER & PRIEMETZHOFER 2008: 137; M: -; C: HAFELLNER 1995c: 498

Schismatomma decolorans (Turner & Borrer ex Sm.) Clauzade & Vězda
A: PURVIS et al. 1998: 343; M: TEHLER 1993: 18; C: CHAMPION 1976: 30

Sclerococcum tephromelarum Etayo & Calatayud
Host: *Tephromela atra* (1)
A: -; M: HAFELLNER 2007a: 113 (1); C: HAFELLNER 2002b: 14(1)

Scoliciosporum umbrinum (Ach.) Arnold
A: PURVIS et al. 1998: 343; M: KALB & HAFELLNER 1992: 89; C: HAFELLNER 1996c: 142

Scutula stereocaulorum (Anzi) Körb. (syn. *Catillaria stereocaulorum* (Th.Fr.) H.Olivier)
Hosts: *Stereocaulon vesuvianum* (1), *Stereocaulon azoricum* (2), *Stereocaulon* spec. (3)
A: BERGER & PRIEMETZHOFER 2008: 140 (2); M: KALB & HAFELLNER 1992: 89 (3); C: HAFELLNER 1995c: 498 (1)

Skyttea thelotrematis Diederich & Etayo
Host: *Thelotrema lepadinum* (1)
A: BERGER & PRIEMETZHOFER 2008: 142 (1); M: -; C: -

Sphaerellothecium parietinarium (Linds.) Hafellner & V.John
Host: *Xanthoria parietina* (1), *Xanthoria calcicola* (2)
A: -; M: -; C: HAFELLNER & JOHN 2006: 157 (1, 2)

Squamarina cartilaginea (With.) P.James (syn. *Lecanora crassa* (Huds.) Ach.)
A: APTROOT & RODRIGUES 2005a: 279; M: TAVARES 1952: 368 (incl. var. *caespitosa*, var. *liparia* and var. *platyloba*); C: TAVARES 1952: 368 (incl. var. *caespitosa*, var. *nitiduscula* and var. *platyloba*)

Squamarina concrescens (Müll.Arg.) Poelt
A: -; M: PIŠÚT 2004: 16; C: FOLLMANN & HERNANDEZ PADRÓN 1978: 365

Stereocaulon nanodes Tuck.
A: BERGER & PRIEMETZHOFER 2008: 137; M: -; C: -

Stereocaulon vulcani (Bory) Ach.
A: FLORES RODRIGUES & APTROOT 2005: 245; M: -; C: -

Stigmidium rivulorum (de Lesd.) Cl.Roux & Triebel
Hosts: *Verrucaria hydrela* (1)
A: BERGER & PRIEMETZHOFER 2008: 142 (1); M: -; C: -

Stigmidium squamariae (de Lesd.) Cl.Roux & Triebel
Hosts: *Rhizoplaca peltata* (1)
A: -; M: -; C: ROUX & TRIEBEL 2005: 136 (1)

Stigmidium triebelae Etayo
Host: *Rimelia reticulata* (1)
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 303 (1)

Strigula tagananae (Harm.) R.C.Harris (syn. *Polyblastiopsis tagananae* (Harm.) Zahlbr., *Strigula lateralis* Aptroot & P.Boom)
A: BERGER & PRIEMETZHOFER 2008: 137; M: ROUX & SÉRUSIAUX 2004: 81; C: TAVARES 1952: 355; ETAYO 1996b: 158

Syzygospora bachmannii Diederich & M.S.Christ.
Host: *Cladonia* spec.
A: BERGER & APTROOT 2002: 10 (1); M: DIEDERICH 1996: 30; C: HERNÁNDEZ PADRÓN et al. 2004: 303 (1)

Taeniolella diederichiana Etayo & Calatayud
Host: *Placopsis gelida* (1)
A: -; M: -; C: ETAYO & CALATAYUD 2005: 303 (1)

Thelenella inductula (Nyl.) H.Mayrhofer
A: BERGER & PRIEMETZHOFER 2008: 137; M: -; C: MAYRHOFER 1987: 38

Thelenella melanospora Etayo & H.Mayrhofer
A: -; M: -; C: BOOM & ETAYO 2006: 369

Thelidium pluvium Orange
A: BERGER & PRIEMETZHOFER 2008: 138; M: -; C: -

Thelidium pyrenophorum (Ach.) Mudd
A: APTROOT & RODRIGUES 2005b: 70; M: -; C: -
Thyrea plicatissima (Nyl.) Zahlbr.
A: -; M: -; C: SCHULTZ & BOOM 2007: 131
Toninia episema (Nyl.) Timdal
Host: *Aspicilia calcarea* (1), *Aspicilia* spec. (2)
A: -; M: -; C: HAFELLNER 2006: 35 (2); BOOM & ETAYO 2006: 370 (1)
Toninia ruginosa (Tuck.) Herre
A: BERGER & PRIEMETZHOFER 2008: 138; M: -; C: TIMDAL 1991: 89
Toninia squalida (Ach.) A.Massal.
A: BERGER & PRIEMETZHOFER 2008: 138; M: TIMDAL 1991: 97; C: TAVARES 1952: 363
Topeliopsis azorica (P.James & Purvis) Coppins & Aptroot (syn. *Ramonia azorica* P.James & Purvis)
A: PURVIS & JAMES 1993: 11; M: -; C: -
Note: According to COPPINS & APTROOT (2008) *Ramonia azorica* belongs to the genus *Topeliopsis*. The genus *Ramonia* s.str. remains therefore unrecorded from Laurimacaronesia but *Topeliopsis* becomes a new generic record.
Trapelia placodioides Coppins & P.James
A: APTROOT & RODRIGUES 2005a: 279; M: -; C: -
Trapeliopsis pseudogranulosa Coppins & P.James
A: PURVIS et al. 1998: 343; M: ALSTRUP 1991: 108; C: HERNANDEZ PADRON et al. 1992: 148
Tremella parmeliarum Diederich
Host: *Parmotrema reticulatum* (1), *Parmotrema subisidiosum* (2)
A: BERGER & PRIEMETZHOFER 2008: 142 (1, 2); M: -; C: HAFELLNER 2002b: 16 (1)
Tremella ramalinae Diederich
Host: *Ramalina lacera* (1)
A: -; M: - C: BOOM & ETAYO 2006: 371 (1)
Trichonectria pertusariae Etayo & P.Boom
Host: *Pertusaria ophthalmiza* (1), *Pertusaria slesvicensis* (2)
A: -; M: -; C: ETAYO & BOOM 2005: 160 (1, 2)
Usnea dasaea Stirt. (syn. *Usnea dolosa* Motyka)
A: RODRIGUES et al. 2004: 74; M: STIRTON 1881: 104; C: KLEMENT 1965: 573
Usnea esperantiana P.Clerc
A: RODRIGUES et al. 2004: 74; M: -; C: CLERC 1992: 514, 519
Usnea geissleriana P.Clerc
A: CLERC 2006: 197; M: -; C: CLERC 2006: 197
Usnea krogiana P.Clerc
A: CLERC 2006: 199; M: -; C: CLERC 2006: 199
Usnea macaronesica P.Clerc
A: CLERC 2006: 202; M: -; C: CLERC 2006: 202
Usnea silesiaca Motyka (syn. *Usnea madeirensis* Motyka)
A: CLERC 2006: 206; M: TAVARES 1964: 136; C: KLEMENT 1965: 573
Usnea subflammea P.Clerc
A: CLERC 2006: 206; M: -; C: CLERC 2006: 206
Usnea wasmuthii Räsänen
A: -; M: -; C: BOOM 2007: 163
Vahliella atlantica (M.Jørg. & P.James) M.Jørg. (syn. *Fuscopannaria atlantica* M.Jørg. & P.James)
A: JØRGENSEN 2005: 221; M: -; C: SCHUMM 2008: 51 (without locality)

Note: According to JØRGENSEN (2008) some of the species previously classified in *Fuscopannaria* belong to a different clade for which the generic name *Vahliella* was introduced. Besides *V. atlantica* (not to be confused with *Degelia atlantica*!), one further pannarioid lichen, *Fuscopannaria leucophaea*, known from all three Laurimacaronesian archipelagos, was transferred to *Vahliella*.

Vahliella leucophaea (Vahl) M.Jørg. (syn. *Pannaria leucophaea* (Vahl) M.Jørg., *Fuscopannaria leucophaea* (Vahl) M.Jørg., *Parmeliella microphylla* (Sw.) Müll. Arg.)

A: TAVARES 1952: 359; M: TAVARES 1952: 359; C: PURVIS 1992k: 420 ("Macaronesia") but so far not known with certainty from this archipelago.

Verrucaria furfuracea (de Lesd.) Breuss

A: BERGER & PRIEMETZHOFER 2008: 138; M: -; C: -

Verrucaria hydrela Ach.

A: APTROOT & RODRIGUES 2005b: 70; M: -; C: -

Verrucaria lecideoides (A.Massal.) Trevis.

A: BERGER & PRIEMETZHOFER 2008: 138; M: -; C: EGEA et al. 1987: 45

Verrucaria macrostoma DC.

A: APTROOT & RODRIGUES 2005a: 279; M: -; C: BERGER & ETAYO 1998: 83

Verrucaria maura Wahlenb.

A: BERGER & PRIEMETZHOFER 2008: 138; M: -; C: TOPHAM & WALKER 1982: 74 (determination uncertain)

Verrucaria muralis Ach.

A: APTROOT & RODRIGUES 2005a: 279; M: -; C: -

Verrucaria pinguicula A.Massal.

A: APTROOT & RODRIGUES 2005a: 279; M: -; C: -

Verrucaria viridula (Schrad.) Ach.

A: APTROOT & RODRIGUES 2005a: 279; M: -; C: HERNANDEZ PADRÓN & SANCHEZ-PINTO 1987: 330

Verrucula latericola (Erichsen) Nav.-Ros. & Cl.Roux (syn. *Verrucaria latericola* Erichsen)

A: BERGER & PRIEMETZHOFER 2008: 138; M: -; C: -

Vouauxiella verrucosa (Vouaux) Petr. & Syd.

Host: *Lecanora horiza* (1), *Lecanora campestris* (2)

A: BERGER & PRIEMETZHOFER 2008: 142 (2); M: -; C: HAFELLNER 1996b: 9 (1)

Waynea adscendens V.J.Rico

A: APTROOT & RODRIGUES 2005b: 70; M: -; C: -

Xanthoparmelia perezdepazii Pérez-Vargas, Hern.-Padr. & Elix

A: -; M: -; C: PEREZ-VARGAS et al. 2007: 445

Xanthoparmelia glabrans (Nyl.) O.Blanco et al. (syn. *Neofuscelia glabrans* (Nyl.) Essl.)

A: -; M: SCHUMM 2008: 112 (without locality); C: TAVARES 1952: 370

Note: According to molecular data obtained by BLANCO et al. (Taxon 53: 959–975, 2004), *Neofuscelia* has to be merged with *Xanthoparmelia*. Therefore all species previously listed under *Neofuscelia* will be transferred to *Xanthoparmelia* in the next version of the checklist.

Xanthoparmelia halei (Essl. et al.) O.Blanco et al. (syn. *Neofuscelia halei* Essl., M. Barbero & Llimona)

A: -; M: SCHUMM 2008: 113 (without locality); C: ESSLINGER et al. 1993: 355

Note: According to molecular data obtained by BLANCO et al. (Taxon 53: 959–975, 2004), *Neofuscelia* has to be merged with *Xanthoparmelia*. Therefore all species previously listed under *Neofuscelia* will be transferred to *Xanthoparmelia* in the next version of the checklist.

Xanthoparmelia subramigera (Gyeln.) Hale
A: BERGER & PRIEMETZHOFER 2008: 139; M: ELIX & SCHUMM 2003: 387; C: GYELNIK 1934: 153

Xanthoparmelia tinctina (Maheu & A.Gillet) Hale (syn. *Parmelia conspersa* var. *isidiosa* Nyl.)
A: BERGER & PRIEMETZHOFER 2008: 139; M: ALSTRUP 1991: 108; C: TAVARES 1952: 370

Xanthoparmelia verruculifera (Nyl.) O.Blanco et al. (syn. *Neofuscelia verruculifera* (Nyl.) Essl.)
A: SCHUMM 2008: 118 (without locality); BERGER & PRIEMETZHOFER 2008: 139; M: -; C: TOPHAM & WALKER 1982: 69
Note: According to molecular data obtained by BLANCO et al. (Taxon 53: 959–975, 2004), *Neofuscelia* has to be merged with *Xanthoparmelia*. Therefore all species previously listed under *Neofuscelia* will be transferred to *Xanthoparmelia* in the next version of the checklist.

Xanthoria ectaneoides (Nyl.) Zahlbr.
A: FLORES RODRIGUES & APTROOT 2005: [246]; M: LAUNDON 1992: 647; C: -

Xanthoria mediterranea Giralt, Nimis & Poelt
A: -; M: -; C: HERNÁNDEZ PADRÓN et al. 2004: 299

Xanthoria monofoliosa S.Kondr. & Kärnefelt
A: -; M: -; C: KONDRATYUK et al. 2008: 275

Nomenclatural novelties:

Pseudosagedia leptospora (Nyl.) Hafellner combinatio nova
MB 512682
Bas.: *Verrucaria leptospora* Nyl., Flora 47: 487 (1864).
Syn.: *Porina leptospora* (Nyl.) A.L.Sm., *Porina olivacea* var. *leptospora* (Nyl.) Keissl., *Porina borreri* var. *leptospora* (Nyl.) D.Hawksw.

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Forth supplement to the lichenological bibliography for insular Laurimacaronesia

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