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by

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Abstract

A new revised checklist of lichenized fungi in Thailand is presented, including 1,292 species. Recent work on the taxonomy of these organisms in Thailand resulted in an enormous increase in our knowledge of the lichen biota of the country – the current checklist includes more than twice as many species as the previous catalogue published 15 years ago – and phylogenetic studies resulted in numerous changes in the generic classification of lichenized fungi. Hence, a new checklist is here presented summarizing the current knowledge of lichens in Thailand. Six new records are reported, viz. *Acanthothecis salazinica*, *Bactrospora metabola*, *Buellia parastata*, *Diploschistes cinereocaesius*, *Rolfidium coccocarpioides*, and *Trapelia placodioides*. Five previously recorded species, namely *Lecanora carpinea*, *Platismatia glauca*, *P. lacunosa*, *P. tuckermanii* and *Roccella phycopsis* are shown to be based on misidentifications and are excluded from the checklist. Three new combinations of species previously placed in *Pertusaria* to *Leprea* are proposed: *L. bulolensis* (A.W.Archer, Elix & Streimann) Schmitt & Lumbsch, *L. patellifera* (A.W.Archer) Schmitt & Lumbsch, and *L. subventosa* (Malme) Schmitt & Lumbsch.

Keywords

Asia, biodiversity, lichens, new records, taxonomy

Introduction

The lichen flora of Thailand is rich due to the numerous habitats with high diversity especially in montane forests and coastal forests and the fact that it includes monsoonal, seasonal dry habitats, tropical lowland forests in the south and subtropical habitats in northern montane forests. The country is situated in the Indo-Chinese floristic region, bordering the distinct Indian, Malesian and the Eastern Asiatic floristic regions (Takhtajan 1986) with floristic interchange adding to the diversity of the flora. Despite the species richness of this tropical country, the lichen flora has been poorly known for a long time. This is partly due to the fact that the exploration of the lichen flora depended almost entirely on sporadic visits of overseas scientists starting with studies by Vainio (1909, 1921) reporting on collections by Danish expeditions to Koh Chang island in the southeast of the country and Doi Suthep in northern Thailand. A number of workshops and increased collaborations of overseas scientists with Thai colleagues starting in the 1990s laid the foundation for a renewed interest in lichens in the country, including the workshop ‘Lichen Taxonomy and Biology’ at Khao Yai National Park in 1998 (Boonpragob et al. 1998), a ‘Thelotremaataceae workshop’ in 2008 (Boonpragob et al. 2010), and the organization of the IAL7 conference in 2012 (Brodo 2012). This resulted in an enormous increase in studies addressing lichen biodiversity and taxonomy in Thailand. As a result of this scientific activity the number of species listed in this checklist (1,292) is more than twice as high as in the last catalogue (Wolseley et al. 2002) with 554 species that was only published 15 years ago. In parallel with this increase in knowledge of the diversity of lichens in Thailand, our understanding of the evolution of lichenized fungi and their phylogenetic relationships dramatically increased over the last decades due to molecular data (Jaklitsch et al. 2016; Lücking et al., 2016; Lumbsch 2000; Lumbsch and Huhndorf 2010; Printzen 2010). This resulted in numerous changes in the generic classification that make it difficult for

users to interpret older names in the literature. To make the information of our current knowledge of species occurring in Thailand and their currently used names more readily available, we have compiled this revised checklist that is based on Wolseley et al. (2002) and subsequently published results and also includes revision of doubtful records. As a result of our studies of voucher material, five species are excluded from the checklist. We anticipate that this checklist will help to further stimulate taxonomic research in Thailand and adjacent countries in Southeast Asia.

The checklist

1. *Abconditella delutula* (Nyl.) Coppins & H.Kiliass, in Hawksworth et al., Lichenologist 12: 106 (1980)
Literature: Aptroot et al., 2007
2. *Acanthothecis salazinica* S. Joshi & Hur, Lichenologist 45: 600 (2013)
3. *Aderkomyces armatus* (Vězda) Lücking, Sérus. & Vězda, Lichenologist 37: 161 (2005)
Literature: Aptroot et al., 2007
4. *Aderkomyces thailandicus* Papong, Boonpragob & Lücking, Phytotaxa 18: 11 (2011)
Literature: Lumbsch et al., 2011
5. *Agonimia pacifica* (H.Harada) Diederich, in Aptroot et al., Biblioth. Lichenol. 64: 12 (1997)
Literature: Aptroot et al., 2007
6. *Agonimia tristicula* (Nyl.) Zahlbr., Bot. Anstalt. Wien, Österr. bot. Z. 5: 351 (1909)
Literature: Aptroot et al., 2007
7. *Amandinea diorista* (Nyl.) Marbach, Biblioth. Lichenol. 74: 58 (2000)
Literature: Meesim and Mongkolsuk 2010b
8. *Amandinea diorista* var. *hypopelidna* (Stirt.) Marbach, Biblioth. Lichenol. 74: 60 (2000)
Literature: Van den Boom et al. 2014
9. *Amandinea efflorescens* (Müll.Arg.) Marbach, Biblioth. Lichenol. 74: 61 (2000)
Literature: Aptroot et al., 2007; Van den Boom et al. 2014
10. *Amandinea extenuata* (Müll.Arg.) Marbach, Biblioth. Lichenol. 74: 71 (2000)
Literature: Aptroot et al., 2007
11. *Amandinea melaxanthella* (Nyl.) Marbach, Biblioth. Lichenol. 74: 87 (2000)
Literature: Vainio 1909 as *Buellia melaxanthella*; Wolseley et al., 2002 as *Buellia stramineoatra*; Aptroot et al., 2007; Van den Boom et al., 2014
12. *Amandinea montana* (H. Magn.) Marbach, Biblioth. Lichenol. 74: 93 (2000)
Literature: Meesim and Mongkolsuk 2010b as *Buellia montana*
13. *Amandinea pelidna* (Ach.) Fryday & L. Arcadia, Graphis scripta 24: 41 (2012)
Literature: Mongkolsuk and Meesim 2012, as *Amandinea lecideina*

14. *Amandinea placodiomorpha* (Vain.) Marbach, Biblioth. Lichenol. 74: 99 (2000)
Literature: Aptroot et al., 2007
15. *Amandinea punctata* (Hoffm.) Coppins & Scheid., Lichenologist 25: 343 (1993)
Literature: Meesim and Mongkolsuk 2010b as *Buellia punctata*; Mongkolsuk and Meesim 2012
16. *Ampliotrema palaeoamplius* (Aptroot & Sipman) Kalb ex Kalb, Biblioth. Lichenol. 92: 81 (2006)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002 as *Ocellularia palaeoamplior*; Kalb 2009
17. *Ampliotrema rimosum* (Hale) Mercado-Díaz, Lücking & Parnmen, Phytotaxa 189: 190 (2014)
Literature: Kraichak et al. 2014; Lumbsch et al., 2014 as *Ocellularia rimosa*; Sutjaritturakan and Kalb 2015
18. *Anisomeridium adnexum* (Müll.Arg.) R.C.Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol.: 143 (1995)
Literature: Aptroot et al., 2007
19. *Anisomeridium asiaticum* Vain., Hedwigia 46: 180 (1907)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002 as *Microthelia asiatica*
20. *Anisomeridium consimile* (Vain.) R.C.Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol. (New York): 145 (1995)
Literature: Aptroot et al., 2007
21. *Anisomeridium consobrinum* (Nyl.) Aptroot, in Aptroot et al., Biblioth. Lichenol. 57: 21 (1995)
Literature: Mongkolsuk et al., 2013 as *Arthopyrenia consobrina*
22. *Anisomeridium foliicola* R.Sant. & Tibell, Austrobaileya 2: 531 (1988)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
23. *Anisomeridium polypori* (Ellis & Everh.) M.E.Barr, in Barr et al., Mem. New York Bot. Gard. 79: 76 (1996)
Literature: Aptroot et al., 2007
24. *Anisomeridium subprostans* (Nyl.) R.C.Harris, in Tucker & Harris, Bryologist 83: 4 (1980)
Literature: Aptroot et al., 2007
25. *Anisomeridium tamarindi* (Fée) R.C.Harris, in Tucker & Harris, Bryologist 83: 4 (1980)
Literature: Aptroot et al., 2007
26. *Anisomeridium throwerae* R.C.Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol.: 150 (1995)
Literature: Schumm and Aptroot 2012
27. *Anthracothecium macrosporum* (Hepp) Müll.Arg., Linnaea 43: 44 (1880)
Literature: Paulson 1930 as *Anthracothecium pyrenuloides*; Wolseley et al., 2002; Aptroot et al., 2007 as *Anthracothecium columellatum*

28. *Anthracothecium prasinum* (Eschw.) R.C.Harris, in Egan, Bryologist 90: 163 (1987)
Literature: Wolseley and Aguirre-Hudson 1997a, 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
29. *Arctomia fascicularis* (L.) Otálora & Wedin, Lichenologist 45: 292 (2013)
Literature: Aptroot et al., 2007 as *Collema fascicularis*
30. *Arthonia complanata* Fée, Essai Crypt. Écorc.: 54 (1825) [1824]
Literature: Vainio 1909; Wolseley et al., 2002
31. *Arthonia cyanea* var. *cyanea* Müll.Arg., Flora 64: 233 (1881)
Literature: Papong et al., 2007
32. *Arthonia lividula* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 309 (1921)
Literature: Papong et al., 2007
33. *Arthonia mira* R.Sant., Symb. Bot. Upsal. 12: 77 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
34. *Arthonia obscuratula* Zahlbr., Cat. Lich. Univ. 2: 71 (1922) [1924]
Literature: Vainio 1909; Wolseley et al., 2002 as *Arthonia obscurata*
35. *Arthonia ochrodes* Nyl., Syn. Gen. *Arthonia*: 10 (1890)
Literature: Vainio 1909; Wolseley et al., 2002
36. *Arthonia perpallens* Nyl., Ann. Sci. Nat., Bot. 20: 231 (1863)
Literature: Vainio 1909; Wolseley et al., 2002
37. *Arthonia ramosii* (Räsänen) R.Sant., Symb. Bot. Upsal. 12: 76 (1952)
Literature: Papong et al., 2007
38. *Arthonia rhizophorae* Vain., Bot. Tidsskr. 29: 141 (1909)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002
39. *Arthonia trilocularis* Müll.Arg., Flora 64: 233 (1881)
Literature: Papong et al., 2007
40. *Arthonia varia* var. *stenographella* (Nyl.) Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 393 (1921)
Literature: Vainio 1909 as *Arthonia stenographella*; Wolseley et al., 2002
41. *Arthothelium monosporum* (Vain.) Zahlbr., Cat. Lich. Univ. 2: 129 (1922) [1924]
Literature: Vainio 1921; Alava 1988 as *Arthonia monospora*; Wolseley et al., 2002
42. *Arthothelium ruanum* (A.Massal.) Körb., Parerga Lichenol.: 263 (1861)
Literature: Vainio 1909 as *Arthonia ruana*; Wolseley et al., 2002
43. *Arthothelium ruanum* var. *phaeosporum* (Vain.) Zahlbr., Cat. Lich. Univ. 2: 132 (1922)
Literature: Vainio 1909; Alava 1988 as *Arthonia ruana* var. *phaeospora*; Wolseley et al., 2002
44. *Arthothelium spectabile* A.Massal., Ric. Auton. Lich. Crost.: 54 (1852)
Literature: Paulson 1930 as *Arthothelium spectabile*; Wolseley et al., 2002
45. *Aspidothelium cinerascens* Vain., Acta Soc. Fauna Fl. Fenn. 7: 189 (1890)
Literature: Aptroot et al., 2007

46. *Aspidothelium fugiens* (Müll.Arg.) R.Sant., in Thorold, J. Ecol. 40: 129 (1952)
Literature: Aptroot et al., 2007
47. *Asteristion alboannuliforme* (Nagarkar, Sethy & Patw.) I. Medeiros, Lücking & Lumbsch, Fieldiana 9: 7 (2017)
Literature: Wolseley et al., 2002 as *Thelotrema alboannuliforme*
48. *Asterothyrium microsporum* R.Sant., Symb. Bot. Upsal. 12: 320 (1952)
Literature: Aptroot et al., 2007
49. *Asterothyrium pittieri* Müll.Arg., Bull. Soc. Roy. Bot. Belgique 30: 71 (1891)
Literature: Aptroot et al., 2007
50. *Astrochapsa astroidea* (Berk. & Broome) Parnmen et al., PLoS ONE 7 (12): e51392 (2012)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Thelotrema astroideum*; Parnmen, et al. 2012 as *Chapsa astroidea*; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
51. *Astrochapsa calathiformis* (Vain.) Parnmen et al., PLoS ONE 7 (12): e51392 (2012)
Literature: Vainio 1909; Yoshimura 1978; Wolseley et al., 2002 as *Thelotrema calathiforme*; Homchantara and Coppins 2002 as *Thelotrema phliuense*; Pappong et al., 2010 as *Chapsa calathiformis*
52. *Astrochapsa kalbii* Poengs., Lücking & Lumbsch, Phytotaxa 189: 274(2014)
Literature: Poengsungnoen et al., 2014a
53. *Astrochapsa zahlbruckneri* (Nyl.) Parnmen, Lücking & Lumbsch, PLoS ONE 7 (12): e51392, 10 (2012)
Literature: Lumbsch et al., 2014; Poengsungnoen et al., 2014a
54. *Astrochapsa pseudophlyctis* (Nyl.) Parnmen, Lücking & Lumbsch, PLoS ONE 7 (12): e51392, 9 (2012)
Literature: Wolseley et al., 2002 as *Thelotrema subhiatum*; Parnmen, et al. 2012 as *Chapsa pseudophlyctis*; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
55. *Astrothelium aenascens* Aptroot, in Aptroot et al. , Lichenologist 48: 611 (2016)
Literature: Luangsuphabool et al., 2016
56. *Astrothelium aeneum* (Eschw.) Aptroot & Lücking, Lichenologist 48: 821 (2016)
Literature: Aptroot et al., 2007 as *Trypethelium aeneum*; Aptroot and Lücking 2016
57. *Astrothelium cinereorosellum* (Kremp.) Aptroot & Lücking, Lichenologist 48: 853 (2016)
Literature: Aptroot et al., 2007 as *Trypethelium cinereorosellum*; Aptroot and Lücking 2016
58. *Astrothelium degenerans* (Vain.) Aptroot & Lücking, Lichenologist 48: 857 (2016)
Literature: Aptroot et al., 2007, as *Bathelium degenerans*; Aptroot and Lücking 2016
59. *Astrothelium eustomum* (Mont.) Müll.Arg., Flora 68: 247 (1885)
Literature: Aptroot et al., 2007; Aptroot and Lücking 2016

60. *Astrothelium flavocoronatum* Luangsuphabool, Aptroot & Sangvichien, Lichenologist 48: 731 (2016)
Literature: Luangsuphabool et al., 2016
61. *Astrothelium indicum* (Upreti & Ajay Singh) Aptroot & Lücking, Lichenologist 48: 857 (2016)
Literature: Aptroot et al., 2007, as *Laurera indica*; Aptroot and Lücking 2016
62. *Astrothelium keralense* (Upreti & Ajay Singh) Aptroot & Lücking, Lichenologist 48: 865 (2016)
Literature: Vongshevarat et al., 1999; Wolseley et al., 2002, both as *Laurera keralensis*; Aptroot and Lücking 2016
63. *Astrothelium macrocarpum* (Fée) Aptroot & Lücking, Lichenologist 48: 867 (2016)
Literature: Aptroot et al., 2007 as *Astrothelium galbineum*; Aptroot and Lücking 2016
64. *Astrothelium macrostiolum* Luangsuphabool, Aptroot & Sangvichien, Lichenologist 48: 732 (2016)
Literature: Luangsuphabool et al., 2016
65. *Astrothelium megaspermum* (Mont.) Aptroot & Lücking, Lichenologist 48: 870 (2016)
Literature: Vongshevarat et al., 1999; Wolseley et al., 2002, both as *Laurera megasperma*; Aptroot and Lücking 2016
66. *Astrothelium meristosporoides* (P.M.McCarthy & Vongshew.) Aptroot & Lücking, Lichenologist 48: 871 (2016)
Literature: Vongshevarat et al., 1999; Wolseley et al., 2002, both as *Laurera meristosporoides*; Aptroot and Lücking 2016
67. *Astrothelium meristosporum* (Mont. & Bosch) Aptroot & Lücking, Lichenologist 48: 871 (2016)
Literature: Vainio 1909; Alava 1988 as *Thelenella interrupta*; Boonpragob et al., 1998; Wolseley et al., 2002, all as *Laurera meristospora*; Aptroot and Lücking 2016
68. *Astrothelium neglectum* Luangsuphabool, Aptroot & Sangvichien, Lichenologist 48: 733 (2016)
Literature: Luangsuphabool et al., 2016
69. *Astrothelium neovariolosum* Luangsuphabool, Aptroot & Sangvichien, Lichenologist 48: 734 (2016)
Literature: Luangsuphabool et al., 2016
70. *Astrothelium nitidiusculum* (Nyl.) Aptroot & Lücking, Lichenologist 48: 873 (2016)
Literature: Aptroot et al., 2007 as *Trypethelium nitidiusculum*; Aptroot and Lücking 2016
71. *Astrothelium siamense* Luangsuphabool, Aptroot & Sangvichien, Lichenologist 48: 735 (2016)
Literature: Luangsuphabool et al., 2016

72. *Astrothelium subdiscretum* (Nyl.) Aptroot & Lücking, Lichenologist 48: 890 (2016)
Literature: Vongshevarat et al., 1999; Wolseley et al., 2002, both as *Laurera subdiscreta* and as *Laurera phaeomelodes*; Aptroot and Lücking 2016
73. *Astrothelium subdissocians* (Nyl. ex Vain.) Aptroot & Lücking, Lichenologist 48: 891 (2016)
Literature: Vainio 1909, 1921 as *Pseudopyrenula ochroleuca* var. *subdissocians*; Aptroot and Lücking 2016
74. *Astrothelium variolosum* (Ach.) Müll. Arg., Flora, Regensburg 68(12): 255 (1885)
Literature: Wolseley et al., 2002 as *Trypethelium variolosum*; Aptroot et al., 2007; Aptroot and Lücking 2016
75. *Aulaxina microphana* (Vain.) R.Sant., Symb. Bot. Upsal. 12: 299 (1952)
Literature: Papong et al., 2007
76. *Aulaxina quadrangula* (Stirt.) R.Sant., J. Ecol. 40: 129 (1952)
Literature: Aptroot et al., 2007
77. *Austrotrema terebrans* (Nyl.) I. Medeiros, Lücking & Lumbsch, Fieldiana 9: 17 (2017)
Literature: Medeiros et al., 2017; Schumm and Aptroot 2012, as *Thelotrema bicinctulum*
78. *Bacidia heterochroa* (Müll.Arg.) Zahlbr., Cat. Lich. Univ. 4: 204 (1926)
Literature: Aptroot et al., 2007
79. *Bacidia hostheleoides* (Nyl.) Zahlbr., Cat. Lich. Univ. 4: 205 (1926) [1927]
Literature: Schumm and Aptroot 2012
80. *Bacidia manilensis* var. *siamensis* Vain., Suom. Elian-ja Kasvit. Seuran Van. Julk. 1: 46 (1921)
Literature: Vainio 1921; Wolseley et al., 2002
81. *Bacidia medialis* (Tuck.) Zahlbr., Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 83: 127 (1909)
Literature: Aptroot et al., 2007; Schumm and Aptroot 2012
82. *Bacidia squamellosa* (S.Ekman) Coppins & Aptroot, Lichenologist 40: 367 (2008)
Literature: Aptroot et al., 2007 as *Bacidina squamellosa*
83. *Bacidia subincompta* (Nyl.) Arnold, Flora 53: 472 (1870)
Literature: Paulson 1930 as *Bacidia atosanguinea*; Wolseley et al., 2002 as *Bacidia affinis*
84. *Bacidina pallidocarnea* (Müll.Arg.) Vězda, Folia Geobot. Phytotax. 25: 432 (1991)
Literature: Papong et al., 2007
85. *Bacidina penicillata* Aptroot, M.Cáceres, Lücking & Sparrius, in Aptroot et al., Fungal Diversity 24: 87 (2007)
Literature: Aptroot et al., 2007
86. *Bacidiopsis orizabana* (Vain.) Kalb, Biblioth. Lichenol. 88: 304 (2004)
Literature: Aptroot et al., 2007

87. *Bacidiopsis squamulosula* (Nyl.) Kalb, Lichenes Neotropici, Fascicle 10: 4 (1988)
Literature: Aptroot et al., 2007
88. *Bactrospora metabola* (Nyl.) Egea & Torrente, Mycotaxon 53: 58 (1995)
89. *Bactrospora inspersa* Aptroot, in Aptroot et al., Fungal Diversity 24: 89 (2007)
Literature: Aptroot et al., 2007
90. *Bactrospora myriadea* (Fée) Egea & Torrente, Lichenologist 25: 245 (1993)
Literature: Kalb et al., 2012
91. *Bactrospora perspiralis* Sparrius, Saipunkaew & Wolseley, Lichenologist 38: 29 (2006)
Literature: Sparrius et al., 2006
92. *Bactrospora subdryina* Sparrius, Saipunkaew & Wolseley, Lichenologist 38: 28 (2006)
Literature: Sparrius et al., 2006
93. *Badimia multiseptata* Papong & Lücking, Phytotaxa 18: 19 (2011)
Literature: Lumbsch et al., 2011
94. *Bagliettoa baldensis* (A.Massal.) Vězda, in Poelt & Vězda, Biblioth. Lichenol. 16: 363 (1981)
Literature: Aptroot et al., 2007
95. *Bathelium albidoporum* (Makhija & Patw.) Aptroot & Lücking, Lichenologist 48: 897 (2016)
Literature: Aptroot and Lücking 2016
96. *Bathelium madreporiforme* (Eschw.) Trevis., Flora 44: 21 (1861)
Literature: Boonpragob et al., 1998 as *Laurera madreporiformis*; Wolseley et al., 2002; Aptroot et al., 2007; Aptroot and Lücking 2016
97. *Bathelium nigroporum* (Makhija & Patw.) Aptroot & Lücking, Lichenologist 48: 900 (2016)
Literature: Vongshewarat et al., 1999; Wolseley et al., 2002 as *Trypethelium nigroporum*
98. *Blastenia testaceorufa* (Vain.) Zahlbr., Cat. Lich. Univers. 7: 43 (1930)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002 as *Placodium testaceorufum*
99. *Bogoriella fumosula* (Zahlbr.) Aptroot & Lücking, Lichenologist 48: 910 (2016)
Literature: Aptroot et al., 2007 as *Mycomicrothelia fumosula*
100. *Bogoriella hemisphaerica* (Müll.Arg.) Aptroot & Lücking, Lichenologist 48: 910 (2016)
Literature: Aptroot et al., 2007 as *Mycomicrothelia hemisphaerica*
101. *Bogoriella miculiformis* (Nyl. ex Müll.Arg.) Aptroot & Lücking, Lichenologist 48: 912 (2016)
Literature: Aptroot et al., 2007 as *Mycomicrothelia miculiformis*
102. *Bogoriella subfallens* (Müll.Arg.) D Aptroot & Lücking, Lichenologist 48: 915 (2016)
Literature: Aptroot et al., 2007 as *Mycomicrothelia subfallens*

103. *Brigantiaea leucoxantha* (Spreng.) R.Sant. & Hafellner, in Hafellner & Bellemère, Nova Hedwigia 35: 246 (1982) [1981]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
104. *Brigantiaea lobulatisidiata* Aptroot, in Aptroot et al., Fungal Diversity 24: 90 (2007)
Literature: Aptroot et al., 2007
105. *Brigantiaea pulchra* (Müll.Arg.) Hafellner, Nova Hedwigia 35: 707 (1983)
Literature: Wolseley and Aguirre-Hudson 1997b
106. *Brigantiaea tricolor* (Mont.) Trevis., Spighe Paglie: 9 (1853)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
107. *Buellia aethalea* (Ach.) Th.Fr., Lich. Scand. 1: 604 (1874)
Literature: Aptroot et al., 2007; Mongkolsuk and Meesim 2012
108. *Buellia alboatrior* (Nyl.) Zahlbr., Cat. Lich. Univ. 7: 441 (1931)
Literature: Van den Boom et al., 2014
109. *Buellia almeriensis* Llimona, Lichenes Selecti Exsiccati, Fascicle 48: 7 (1973)
Literature: Meesim and Mongkolsuk 2010b
110. *Buellia amblyogona* Müll.Arg., Bull. Herb. Boissier 3: 641 (1895)
Literature: Mongkolsuk and Meesim 2012
111. *Buellia bahiana* Malme, Ark. Bot. 21: 17 (1927)
Literature: Meesim and Mongkolsuk 2010a
112. *Buellia blastenioides* Vain., Hedwigia 46: 171 (1907)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002
113. *Buellia chloroleuca* Körb., Parerga Lichenol.: 191 (1860)
Literature: Meesim and Mongkolsuk 2010b
114. *Buellia circumpallida* H. Magn., Ark. Bot. 3(10): 379 (1955)
Literature: Aptroot et al., 2007 as *Endohyalina circumpallida*
115. *Buellia curatellae* Malme, Ark. Bot. 21A(no. 14): 18 (1927)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010b
116. *Buellia demutans* Zahlbr., Cat. Lich. Univers. 7: 348 (1931)
Literature: Aptroot et al., 2007 as *Hafellia demutans*
117. *Buellia desertica* (Marbach) Bungartz, Lichen Flora of the Greater Sonoran Desert Region (Tempe) 3: 138 (2007)
Literature: Meesim and Mongkolsuk 2010b
118. *Buellia disciformis* (Fr.) Mudd, Man. Brit. Lich.: 216 (1861)
Literature: Vainio 1921; Meesim and Mongkolsuk 2010b; Wolseley et al., 2002 as *Hafellia disciformis*
119. *Buellia dispersa* A.Massal., Sched. Crit. 8: 150 (1856)
Literature: Mongkolsuk and Meesim 2012
120. *Buellia erubescens* Arnold, Verh. Zool.-Bot. Ges. Wien 23: 493 (1874) [1873]
Literature: Meesim and Mongkolsuk 2010b; Mongkolsuk and Meesim 2012
121. *Buellia glaucotheca* Malme, Ark. Bot. 21: 8 (1927)
Literature: Meesim and Mongkolsuk 2010b
122. *Buellia homophylia* (C.Knight) Zahlbr., Cat. Lich. Univ. 7: 366 (1931)
Literature: Mongkolsuk and Meesim 2012

123. *Buellia insignis* (Nägeli) Th.Fr., Nova Acta Soc. Regiar Sci. Upsal., 3: 327 (1861) [1860]
Literature: Meesim and Mongkolsuk 2010b
124. *Buellia leptocline* A.Massal., Geneac. Lich.: 20 (1854)
Literature: Meesim and Mongkolsuk 2010b
125. *Buellia leptoclinoides* (Nyl.) J. Steiner, Verh. zool.-bot. Ges. Wien 57: 357 (1907)
Literature: Meesim and Mongkolsuk 2010b
126. *Buellia ocellata* (Flörke ex Flot.) Körb., Syst. Lich. Germ.: 224 (1855)
Literature: Aptroot et al., 2007
127. *Buellia pallidomarginata* A.Nordin, Symb. Bot. Upsal. 33: 1-117 (2000)
Literature: Mongkolsuk and Meesim 2012; Van den Boom et al., 2014
128. *Buellia parastata* (Nyl.) Zahlbr., Cat. Lich. Univ. 7: 386 (1930)
129. *Buellia pinicola* S.R.Singh & D.D.Awasthi, Biol. Mem. 6: 181 (1981)
Literature: Meesim and Mongkolsuk 2010b
130. *Buellia pleiophoroides* var. *meiospermoides* Vain. ex Räsänen, J. Jap. Bot. 16: 141 (1940)
Literature: Vainio 1909; Alava 1988; Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 2002 as *Buellia pleiophoroides*
131. *Buellia pleiotera* Malme, Ark. Bot. 21A(14): 7 (1927)
Literature: Meesim and Mongkolsuk 2010b; Van den Boom et al., 2014
132. *Buellia proximata* H.Magn., Ark. F. Bot. 32A: 52 (1945)
Literature: Van den Boom et al., 2014
133. *Buellia pruinosa* Müll. Arg., Bull. Herb. Boissier 1: 51 (1893)
Literature: Van den Boom et al., 2014
134. *Buellia rechingeri* Zahlbr., in Rechinger, Denkschr. Kaiserl. Akad. Wiss. Wien, Math.-Naturwiss. Kl.: 274 (1907)
Literature: Aptroot et al., 2007 as *Hafellia rechingeri*
135. *Buellia remensa* (Stirt.) Imshaug, Farlowia 4: 502 (1955)
Literature: Meesim and Mongkolsuk 2010b as *Buellia tincta*
136. *Buellia saxorum* A.Massal., Ric. Auton. Lich. Crost.: 82 (1852)
Literature: Meesim and Mongkolsuk 2010b
137. *Buellia schaeferi* De Not., G. Bot. Ital. 2: 199 (1846)
Literature: Meesim and Mongkolsuk 2010b
138. *Buellia sequax* (Nyl.) Zahlbr., Cat. Lich. Univ. 7: 410 (1931)
Literature: Meesim and Mongkolsuk 2010b as *Buellia abstracta*
139. *Buellia stellulata* (Taylor) Mudd, Man. Brit. Lich.: 216 (1861)
Literature: Meesim and Mongkolsuk 2010b
140. *Buellia stigmaea* Tuck., Syn. N. Amer. Lich. 2: 90 (1888)
Literature: Meesim and Mongkolsuk 2010a, 2010b
141. *Buellia stillingiana* J.Steiner, Oesterr. Bot. Z. 18: 144 (1919)
Literature: Meesim and Mongkolsuk 2010b
142. *Buellia subnexa* Vain., Bot. Tidsskr. 29: 115 (1909)
Literature: Vainio 1907, 1909; Alava 1988; Wolseley et al., 2002 as *Buellia subdives*

143. *Buellia subdisciformis* (Leight.) Jatta, Syll. Lich. Ital.: 392 (1900)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010b
144. *Buellia subsororiooides* S.R.Singh & D.D.Awasthi, Biol. Mem. 6: 191 (1981)
Literature: Meesim and Mongkolsuk 2010b
145. *Buellia substigmaea* S.R.Singh & D.D.Awasthi, Biol. Mem. 6: 191 (1981)
Literature: Meesim and Mongkolsuk 2010b
146. *Buellia triseptata* A.Nordin, Bryologist 102: 260 (1999)
Literature: Meesim and Mongkolsuk 2010b
147. *Bulbothrix bulbochaeta* (Hale) Hale, Phytologia 28: 480 (1974)
Literature: Saipunkaew et al., 2007; Louwhoff et al., 2012
148. *Bulbothrix goebelii* (Zenker) Hale, Smithsonian Contr. Bot. 32: 14 (1976)
Literature: Vainio 1909; Hale 1976a as *Parmelia addenda*; Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
149. *Bulbothrix hypocraea* (Vain.) Hale, Phytologia 28: 480 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012
150. *Bulbothrix isidiza* (Nyl.) Hale, Phytologia 28: 480 (1974)
Literature: Wolseley and Aguirre-Hudson 1995, 1997a, 1997b; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012; Schumm and Aptroot 2012
151. *Bulbothrix laevigatula* (Nyl.) Hale, Phytologia 28: 480 (1974)
Literature: Vainio 1921 as *Parmelia hookeri*; Wolseley et al., 2002
152. *Bulbothrix meizospora* (Nyl.) Hale, Phytologia 28: 480 (1974)
Literature: Boonpragob et al., 1998; Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012; Schumm and Aptroot 2012
153. *Bulbothrix papyrina* (Fée) Hale, Phytologia 28: 480 (1974)
Literature: Vainio 1909 as *Parmelia addenda*
154. *Bulbothrix pigmentacea* (Hale) Hale, Phytologia 28: 480 (1974)
Literature: Wolseley and Aguirre-Hudson 1995, 1997a, 1997b; Wolseley et al., 2002; Louwhoff et al., 2012
155. *Bulbothrix queenslandica* (Elix & G.N.Stevens) Elix, Mycotaxon 47: 126 (1993)
Literature: Pooprang et al., 1999; Wolseley et al., 2002
156. *Bulbothrix sensibilis* (J.Steiner & Zahlbr.) Hale, Phytologia 28: 481 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002
157. *Bulbothrix setschwanensis* (Zahlbr.) Hale, Phytologia 28: 481 (1974)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
158. *Bulbothrix tabacina* (Mont. & Bosch) Hale, Phytologia 28: 481 (1974)
Literature: Satô 1962 as *Parmelia meizosporoides*; Buaruang et al., 2009; Louwhoff et al., 2012
159. *Bulbothrix ventricosa* (Hale & Kurok.) Hale, Phytologia 28: 481 (1974)
Literature: Papong et al., 2007

160. *Bysssolecania fumosonigricans* (Müll.Arg.) R.Sant., Symb. Bot. Upsal. 12: 553 (1952)
Literature: Aptroot et al., 2007
161. *Bysssolecania hymenocarpa* (Vain.) Kalb, Vězda & Lücking, in Lücking & Kalb, Bot. Jahrb. Syst. 122: 21 (2000)
Literature: Papong et al., 2007
162. *Byssoloma annuum* (Vain.) Thor, Lücking & Tat. Matsumoto, Symb. Bot. Upsal. 32: 29
Literature: Papong et al., 2007
163. *Byssoloma chlorinum* (Vain.) Zahlbr., Cat. Lich. Univ. 8: 233 (1932)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
164. *Byssoloma fadenii* Vězda, Folia Geobot. Phytotax. 10: 425 (1975)
Literature: Papong et al., 2007
165. *Byssoloma gahavisukanum* Sérus., in Aptroot et al., Biblioth. Lichenol. 64: 39 (1997)
Literature: Papong et al., 2007
166. *Byssoloma guttiferæ* (Bat. & Peres) Lücking & Sérus., in Lücking et al., Lichenologist 30: 138 (1998)
Literature: Papong et al., 2007
167. *Byssoloma leucoblepharum* (Nyl.) Vain., Dansk Bot. Ark. 4: 23 (1926)
Literature: Wolseley and Aguirre-Hudson 1997a; Boonpragob et al., 1998; Wolseley et al., 2002
168. *Byssoloma subdiscordans* (Nyl.) P. James, Lichenologist 5: 126 (1971)
Literature: Aptroot et al., 2007; Papong et al., 2007
169. *Byssoloma tricholomum* (Mont.) Zahlbr., Cat. Lich. Univ. 2: 569 (1923) [1924]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
170. *Calenia aspidota* (Vain.) Vězda, Folia Geobot. Phytotax. 19: 195 (1984)
Literature: Aptroot et al., 2007
171. *Calenia depressa* Müll.Arg., Lichenes Epiphylli Novi: 4 (1890)
Literature: Papong et al., 2007
172. *Calenia graphidea* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 163 (1921)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
173. *Calenia leptocarpa* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 163 (1921)
Literature: Papong et al., 2007
174. *Calenia phyllogena* (Müll.Arg.) R.Sant., Symb. Bot. Upsal. 12: 349 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
175. *Calenia thelotremella* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 160 (1921)
Literature: Papong et al., 2007
176. *Calicium adaequatum* Nyl., Flora 52: 409 (1869)
Literature: Aptroot et al., 2007
177. *Calicium diploellum* Nyl., Flora 51: 161 (1868)
Literature: Aptroot et al., 2007
178. *Calicium hyperelloides* Nyl., Syn. Meth. Lich. 1: 153 (1860)
Literature: Aptroot et al., 2007

179. *Calopadia fusca* (Müll.Arg.) Vězda, Folia Geobot. Phytotax. 21: 215 (1986)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
180. *Calopadia puiggarii* (Müll.Arg.) Vězda, Folia Geobot. Phytotax. 21: 215 (1986)
Literature: Aptroot et al., 2007; Papong et al., 2007
181. *Calopadia subcoerulescens* (Zahlbr.) Vězda, Lichenes Selecti Exsiccati 88: 3 (1988)
Literature: Aptroot et al., 2007
182. *Caloplaca cinnabarina* (Ach.) Zahlbr., in Engler & Prantl, Nat. Pflanzenfam. Nachtr. [Engler & Prantl] 1: 228 (1908)
Literature: Paulson 1930; Wolseley et al., 2002 as *Caloplaca aequata*; Aptroot et al., 2007
183. *Caloplaca flavorubescens* (Huds.) J.R.Laundon, Lichenologist 8: 147 (1976)
Literature: Paulson 1930 as *Caloplaca aurantiaca*; Wolseley et al., 2002
184. *Caloplaca flavovirescens* (Wulfen) Dalla Torre & Sarnth., Fl. Tirol: 180 (1902)
Literature: Aptroot et al., 2007
185. *Caloplaca holocarpa* (Hoffm.) A.E.Wade, Lichenologist 3: 11 (1965)
Literature: Paulson 1930 as *Caloplaca pyracea*; Wolseley et al., 2002
186. *Caloplaca inconnexa* (Nyl.) Zahlbr., Cat. Lich. Univ. 7: 145 (1930) [1931]
Literature: Aptroot et al., 2007
187. *Caloplaca pulicarioides* Aptroot, in Aptroot & Seaward, Trop. Bryol. 17: 69 (1999)
Literature: Aptroot et al., 2007
188. *Candelaria concolor* (Dicks.) Arnold, Flora 62: 364 (1879)
Literature: Wolseley and Aguirre-Hudson 1995
189. *Candelariella reflexa* (Nyl.) Lettau, Hedwigia 52: 196 (1912)
Literature: Aptroot et al., 2007
190. *Canoparmelia concrescens* (Vain.) Elix & Hale, in Elix et al., Mycotaxon 27: 278 (1986)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
191. *Canoparmelia ecaperata* (Müll.Arg.) Elix & Hale, in Elix et al., Mycotaxon 27: 278 (1986)
Literature: Vainio 1921; Alava 1988 as *Parmelia malaccensis* var. *laeteflavens*; Hale 1976c as *Pseudoparmelia ecaperata*; Wolseley and Aguirre-Hudson 1995, 1997a, 1997b; Boonpragob et al., 1998; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
192. *Canoparmelia owariensis* (Asahina) Elix, Mycotaxon 47: 127 (1993)
Literature: Hale 1976c as *Pseudoparmelia owariensis*; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012
193. *Canoparmelia pustulescens* (Kurok.) Elix, Mycotaxon 47: 127 (1993)
Literature: Moon et al., 2000a; Wolseley et al., 2002
194. *Canoparmelia rodriguesiana* (Hue) Elix, Mycotaxon 70: 108 (1999)
Literature: Moon et al., 2000a; Wolseley et al., 2002 as *Paraparmelia rodriguesiana*

195. *Canoparmelia texana* (Tuck.) Elix & Hale, in Elix et al., Mycotaxon 27: 279 (1986)
Literature: Hale 1976c as *Pseudoparmelia texana*; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
196. *Caprettia amazonensis* Bat. & H.Maia, Atas Inst. Micol. Univ. Recife 2: 378 (1965)
Literature: Papong et al., 2007
197. *Caprettia nyssaegenoides* Sérus. & Lücking, Biblioth. Lichenol. 86: 169 (2003)
Literature: Schumm and Aptroot 2012
198. *Carbacanthographis amicta* (Nyl.) Staiger & Kalb, in Staiger, Biblioth. Lichenol. 85: 103 (2002)
Literature: Aptroot et al., 2007
199. *Carbacanthographis candidata* (Nyl.) Staiger & Kalb, in Staiger, Biblioth. Lichenol. 85: 104 (2002)
Literature: Aptroot et al., 2007; Poengsungnoen et al., 2010
200. *Carbacanthographis marcescens* (Fée) Staiger & Kalb, in Staiger, Biblioth. Lichenol. 85: 109 (2002)
Literature: Aptroot et al., 2007; Wolseley et al., 2002 as *Graphina intricata*; Poengsungnoen et al., 2010 as *Graphina marcescens*
201. *Catillaria testaceolivens* (Vain.) Zahlbr., Cat. Lich. Univ. 4: 79 (1926) [1927]
Literature: Vainio 1909 as *Lecidea testaceolivens*; Wolseley et al., 2002
202. *Catillaria unicolor* (Vain.) Zahlbr., Cat. Lich. Univ. 4: 83 (1926) [1927]
Literature: Vainio 1909; Alava 1988 as *Lecidea unicolor*; Wolseley et al., 2002
203. *Celothelium aciculiferum* (Nyl.) Vain., Ann. Acad. Sci. Fenn., Ser. A. 6: 209 (1915)
Literature: Aptroot et al., 2007
204. *Cetrelia braunsiana* (Müll.Arg.) W.L.Culb. & C.F.Culb., Contr. U.S. Natl. Herb. 34: 493 (1968)
Literature: Satô 1962 as *Cetraria collata* f. *isidiata*; Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
205. *Cetrelia japonica* (Zahlbr.) W.L.Culb. & C.F.Culb., Contr. U.S. Natl. Herb. 34: 511 (1968)
Literature: Wolseley and Aguirre-Hudson 1997a; Boonpragob et al., 1998; Wolseley et al., 2002; Louwhoff et al., 2012
206. *Cetrelia nuda* (Hue) W.L.Culb. & C.F.Culb., Contr. U.S. Natl. Herb. 34: 513 (1968)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
207. *Cetrelia olivetorum* (Nyl.) W.L.Culb. & C.F.Culb., Contr. U.S. Natl. Herb. 34: 515 (1968)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
208. *Chaenotheca trichialis* (Ach.) Hellb., K. Svenska Vet. Akad. Handl. 9: 82 (1870)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002

209. *Chapsa alborosella* (Nyl.) Frisch, Biblioth. Lichenol. 92: 90 (2006)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Thelotrema albosorellum*
210. *Chapsa discoides* (Stirt.) Lücking, in Sipman et al., Phytotaxa 55: 35 (2012)
Literature: Papong et al., 2014
211. *Chapsa imperfecta* (Hale) Rivas Plata & Mangold, in Rivas Plata et al., Lichenologist 42: 183 (2010)
Literature: Wolseley et al., 2002 as *Thelotrema imperfectum*
212. *Chapsa indica* A.Massal., Atti Ist. Veneto Sci. Lett. Arti 5: 257 (1860) [1859-1860]
Literature: Wolseley et al., 2002 as *Thelotrema pycnophragmium*; Schumm and Aptroot 2012; Parnmen, et al., 2012; Kraichak, et al., 2013; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
213. *Chapsa laemensis* (Homchant. & Coppins) Lumbsch & Papong, in Papong et al., Lichenologist 42: 136 (2010)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002 as *Thelotrema laemense*; Papong et al., 2010
214. *Chapsa leprocarpa* (Nyl.) Frisch, Biblioth. Lichenol. 92: 108 (2006)
Literature: Boonpragob et al., 1998 as *Thelotrema colobicum* Wolseley et al., 2002 as *Thelotrema colobicum* and *Thelotrema leprocarpum*; Parnmen, et al., 2012; Kraichak, et al., 2013; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
215. *Chapsa leprocarpoides* (Hale) M. Cáceres & Lücking, in Cáceres, Libri Botanici 22: 52 (2007)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Thelotrema leprocarpoides*
216. *Chapsa patens* (Nyl.) Frisch, Biblioth. Lichenol. 92: 111 (2006)
Literature: Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 2002 as *Thelotrema patens*; Parnmen, et al., 2012; Kraichak, et al., 2013; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
217. *Chiodecton congestulum* Nyl., Bull. Soc. Linn. Normandie 2: 106 (1868)
Literature: Wolseley et al., 2002
218. *Chiodecton leptosporum* Müll.Arg., Flora 65: 332 (1882)
Literature: Aptroot et al., 2007
219. *Chiodecton mucorinum* Zahlbr. in Handel-Mazzetti, Symb. Sin. 3: 63 (1930)
Literature: Aptroot et al., 2007; Schumm and Aptroot 2012
220. *Chiodecton subsphaerale* Nyl., J. Linn. Soc., Bot. 20: 59 (1883)
Literature: Vainio 1909; Wolseley et al., 2002
221. *Chroodiscus australiensis* Vězda & Lumbsch, in Lumbsch & Vězda, Nova Hedwigia 50: 246 (1990)
Literature: Papong et al., 2007
222. *Chroodiscus defectus* Papong & Lücking, in Papong et al. Bryologist 112: 155 (2009)
Literature: Papong et al., 2009b; Parnmen et al., 2012; Lumbsch et al., 2014; Poengsungnoen et al., 2014a

223. *Chroodiscus homchantarae* Papong & Lücking, in Papong et al. Bryologist 112: 155 (2009)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Chroodiscus mirificus*; Papong et al., 2009b
224. *Chroodiscus khaolungensis* Papong & Lücking, in Papong et al. Bryologist 112: 156 (2009)
Literature: Papong et al., 2009b; Parnmen et al., 2012; Lumbsch et al., 2014
225. *Chroodiscus khaosakensis* Papong & Lücking, in Papong et al. Bryologist 112: 156 (2009)
Literature: Papong et al., 2009b; Poengsungnoen et al., 2014a
226. *Chroodiscus parvisporus* Kalb & Lücking, in Lücking & Grube, Stapfia 80: 271 (2002)
Literature: Papong et al., 2007; Parnmen et al., 2012
227. *Chroodiscus verrucosus* R.Sant., Lücking & Vězda, in Santesson & Lücking, Nordic J. Bot. 19: 727 (1999)
Literature: Parnmen et al., 2012; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
228. *Chrysothrix xanthina* (Vain.) Kalb, Biblioth. Lichenol. 78: 144 (2001)
Literature: Vainio 1909 as *Lepraria xanthina*; Wolseley and Aguirre-Hudson 1997a, 1997b; Wolseley et al., 2002 as *Chrysothrix candelaris*; Kalb et al., 2009a
229. *Cladia aggregata* (Sw.) Nyl., Recogn. Ram. 69: 167 (1870)
Literature: Yoshimura 1978; Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002; Parnmen et al., 2008
230. *Cladonia calyciformis* Nuno, J. Jap. Bot. 47: 161 (1972)
Literature: Yoshimura 1978; Wolseley et al., 2002
231. *Cladonia ciliata* var. *tenuis* (Flörke) Ahti, Best. Europ. Flecht., Ergdnz. 1: 68 (1977)
Literature: Yoshimura 1978 as *Cladonia tenuis*; Wolseley et al., 2002
232. *Cladonia corymbescens* Nyl., in Leighton, Ann. Mag. Nat. Hist. 18: 407 (1866)
Literature: Parnmen et al., 2008
233. *Cladonia didyma* var. *vulcanica* (Zoll. & Moritzi) Vain., Acta Soc. Fauna Fl. Fenn. 4: 145 (1887)
Literature: Yoshimura 1978 as *Cladonia vulcanica*; Wolseley et al., 2002
234. *Cladonia fruticulosa* Kremp., Verh. Zool.-Bot. Ges. Wien 30: 331 (1880)
Literature: Parnmen et al., 2008
235. *Cladonia furcata* (Huds.) Schrad., Spicil. Fl. Germ. 1: 107 (1794)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Parnmen et al., 2008
236. *Cladonia gymnopoda* Vain., Acta Soc. Fauna Fl. Fenn. 10: 172 (1894)
Literature: Yoshimura 1978; Wolseley et al., 2002
237. *Cladonia homchantarae* Ahti & Parnmen, in Ahti et al., Sauteria 15: 15 (2008)
Literature: Ahti et al., 2008; Parnmen et al., 2008

238. *Cladonia macilenta* Hoffm., Deutschl. Fl., Theil 2 (Hoffm.) 2: 126 (1796) [1795]
Literature: Parnmen et al., 2008
239. *Cladonia modesta* Ahti & Krog, Ann. Bot. Fenn. 24: 88 (1987)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
240. *Cladonia mongkolsukii* Parnmen & Ahti., Phytotaxa 18: 41 (2011)
Literature: Lumbsch et al., 2011
241. *Cladonia mauritiana* Ahti & J.C. David, in David & Hawksworth, Biblioth. Lichenol. 57: 94 (1995)
Literature: Parnmen et al., 2008
242. *Cladonia ochrochlora* Flörke, De Cladoniis, Difficillimo lichenum genere, Commentatio nova: 75 (1828)
Literature: Parnmen et al., 2008
243. *Cladonia ramulosa* (With.) J.R.Laundon, Lichenologist 16: 225 (1984)
Literature: Vainio 1921; Yoshimura 1978 as *Cladonia pityrea*; Wolseley et al., 2002
244. *Cladonia rangiferina* (L.) Weber ex F.H.Wigg., in Wiggers, Prim. Fl. Holsat.: 90 (1780)
Literature: Yoshimura 1978; Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002
245. *Cladonia rappii* A. Evans, Trans. Ky Acad. Sci. 38: 297 (1952)
Literature: Parnmen et al., 2008
246. *Cladonia recticaulis* Ahti & Parnmen, in Ahti et al., Sauteria 15: 16 (2008)
Literature: Ahti et al., 2008; Parnmen et al., 2008
247. *Cladonia rudis* Ahti & Parnmen, in Ahti et al., Sauteria 15: 17 (2008)
Literature: Ahti et al., 2008; Parnmen et al., 2008
248. *Cladonia scabriuscula* (Delise) Leight., Flora 58: 447 (1875)
Literature: Parnmen et al., 2008
249. *Cladonia siamea* Abbayes, Kew Bull. 2: 262 (1956)
Literature: Wolseley and Aguirre-Hudson 1995; Yoshimura 1978; Wolseley et al., 2002
250. *Cladonia singhii* Ahti & P.K.Dixit, in Ahti et al., Lichenologist 34: 306 (2002)
Literature: Parnmen et al., 2008
251. *Cladonia squamosa* (Scop.) Hoffm., Deutschl. Fl., Theil 2 (Hoffm.) 2: 125 (1796) [1795]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
252. *Cladonia subcervicornis* (Vain.) Kernst., Eur. Clad.: 15 (1900)
Literature: Yoshimura 1978 as *Cladonia calycantha*; Wolseley et al., 2002; Parnmen et al., 2008 as *Cladonia rappii*
253. *Cladonia subpityrea* Sandst., in Keissler, Ann. Naturhist. Mus. Wien 42: 62 (1928)
Literature: Yoshimura 1978; Wolseley et al., 2002

254. *Cladonia transindica* Ahti, Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 32: 72 (1961)
Literature: Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002
255. *Clandestinotrema clandestinum* (Ach.) Rivas Plata, Lücking & Lumbsch, Fungal Diversity 52: 116 (2012)
Literature: Boonpragob et al., 1998 as *Myriotrema clandestinum*
256. *Coccocarpia adnata* Arv., Opera Bot. 67: 42 (1983)
Literature: Rangsiruji et al., 2016
257. *Coccocarpia dissecta* Swinscow & Krog, Norweg. J. Bot. 23: 254 (1976)
Literature: Mongkolsuk et al., 1996; Wolseley et al., 2002; Rangsiruji et al., 2016
258. *Coccocarpia erythroxyli* (Spreng.) Swinscow & Krog, Norweg. J. Bot. 23: 254 (1976)
Literature: Satô 1962 as *Coccocarpia pellita* var. *parmelioides*; Paulson 1930; Vainio 1921 as *Coccocarpia molybdaea*; Boonpragob et al., 1998; Wolseley et al., 2002; Schumm and Aptroot 2012; Rangsiruji et al., 2016
259. *Coccocarpia glaucina* Kremp., Nuovo Giorn. Bot. Ital. 7: 14 (1875)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Schumm and Aptroot 2012
260. *Coccocarpia palmicola* (Spreng.) Arv. & D.J.Galloway, Bot. Not. 132: 242 (1979)
Literature: Wolseley and Aguirre-Hudson 1997a, 1997b; Boonpragob et al., 1998; Wolseley et al., 2002; Rangsiruji et al., 2016
261. *Coccocarpia pellita* (Ach.) Müll.Arg., Flora 65: 320 (1882)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Rangsiruji et al., 2016
262. *Coccocarpia smaragdina* Pers., in Gaudichaud-Beaupré in Freycinet, Voy. Uranie, Bot. 5: 206 (1827)
Literature: Paulson 1930
263. *Coccotrema porinopsis* (Nyl.) Imshaug ex Yoshim., Misc. Bryol. Lichenol. 6: 135 (1974)
Literature: Aptroot et al., 2007
264. *Coenogonium barbatum* Lücking, Aptroot & Umaña, Fungal Diversity 23: 273 (2006)
Literature: Kalb et al., 2016a
265. *Coenogonium convexum* J. Kalb & K. Kalb, in Kalb, Boonpragob & Kalb, Phytotaxa 283: 108 (2016)
Literature: Kalb et al., 2016a
266. *Coenogonium coronatum* G.Neuwirth & E.Stocker-Wörgötter, Bryologist 117: 161 (2014)
Literature: Neuwirth et al. 2014; Kalb et al., 2016a
267. *Coenogonium dilucidum* (Kremp.) Kalb & Lücking, in Lücking & Kalb, Bot. Jahrb. Syst. 122: 32 (2000)
Literature: Aptroot et al., 2007; Papong et al., 2007, Neuwirth et al. 2014; Kalb et al., 2016a

268. *Coenogonium disciforme* Papong, Boonpragob & Lücking, Lichenologist 39: 47 (2007)
Literature: Papong et al., 2007, Neuwirth et al. 2014
269. *Coenogonium epiphyllum* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 156 (1921)
Literature: Kalb et al., 2016a
270. *Coenogonium flavicans* (Vězda & Farkas) Kalb & Lücking, in Lücking & Kalb, Bot. Jahrb. Syst. 122: 32 (2000)
Literature: Papong et al., 2007, Neuwirth et al. 2014
271. *Coenogonium frederici* (Kalb) Kalb & Lücking, Fungal Diversity 23: 297 (2006).
Literature: Kalb et al., 2016a
272. *Coenogonium geralense* (P. Henn.) Lücking, Flora neotrop. Monogr. 103: 579 (2008).
Literature: Kalb et al., 2016a
273. *Coenogonium interplexum* Nyl., Ann. Sci. Nat., Bot. 16: 92 (1862)
Literature: Papong et al., 2007, Neuwirth et al., 2014; Kalb et al., 2016a
274. *Coenogonium isidiiferum* (Lücking) Lücking, Lichenologist 33: 201 (2001)
Literature: Neuwirth et al. 2014; Kalb et al., 2016a
275. *Coenogonium leprieurii* (Mont.) Nyl., Ann. Sci. Nat. Bot., Ser. 4, 16: 89 (1862)
Literature: Kalb et al., 2016a
276. *Coenogonium luteum* (Dicks.) Kalb & Lücking, Bot. Jahrb. Syst. 122: 32 (2000)
Literature: Vainio 1909 as *Gyalecta lutea*; Neuwirth et al., 2014; Kalb et al., 2016a
277. *Coenogonium nepalense* (G.Thor & Vězda) Lücking, Aptroot & Sipman, in Rivas Plata, et al., Fungal Diversity 23: 297 (2006)
Literature: Sriprang and Mongkolsuk 2010 as *Dimerella nepalensis*; Neuwirth et al. 2014; Kalb et al., 2016a
278. *Coenogonium pineti* (Ach.) Lücking & Lumbsch, in Lücking et al., Mycologia 96: 290 (2004)
Literature: Kalb et al., 2012; Kalb et al., 2016a
279. *Coenogonium queenslandicum* (Kalb & Vězda) Lücking, Lücking et al., Lichenologist 33: 201 (2001)
Literature: Kalb et al., 2016a
280. *Coenogonium subborinquense* J. Kalb & K. Kalb, in Kalb, Boonpragob & Kalb, Phytotaxa 283: 118 (2016)
Literature: Kalb et al., 2016a
281. *Coenogonium subluteum* (Rehm) Kalb & Lücking, in Lücking & Kalb, Bot. Jahrb. Syst. 122: 34 (2000)
Literature: Aptroot et al., 2007, Neuwirth et al. 2014; Kalb et al., 2016a
282. *Coenogonium verrucimarginatum* J. Kalb & K. Kalb, in Kalb, Boonpragob & Kalb, Phytotaxa 283: 120 (2016)
Literature: Kalb et al., 2016a

283. *Collema coilocarpum* (Müll.Arg.) Zahlbr., Cat. Lich. Univ. 3: 34 (1924) [1925]
Literature: Wolseley and Aguirre-Hudson 1997a, 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
284. *Collema furfuraceum* (Arn.) Du Rietz, Ark. Bot. 22A: 5 (1929)
Literature: Aptroot et al., 2007
285. *Collema leptaleum* Tuck., Proc. Amer. Acad. Arts 6: 263 (1866) [1864]
Literature: Aptroot et al., 2007
286. *Collema leptaleum* var. *bilosum* (Mont.) Degel., Symb. Bot. Upsal. 20: 105 (1974)
Literature: Aptroot et al., 2007
287. *Collema pulchellum* var. *subnigrescens* (Müll.Arg.) Degel., Symb. Bot. Upsal. 20: 173 (1974)
Literature: Aptroot et al., 2007
288. *Collema rugosum* Kremp., in Fenzl, Reise Novara 1: 128 (1870)
Literature: Aptroot et al., 2007
289. *Compositrema thailandicum* Rivas Plata, Papong & Lumbsch, Taxon 61: 1174 (2012)
Literature: Rivas Plata et al., 2012a; Lumbsch et al., 2014; Poengsungnoen et al., 2014a; Kraichak et al., 2014; Lücking et al., 2015
290. *Constrictolumina cinchonae* (Ach.) Lücking, M. P. Nelsen & Aptroot, in Lücking et al., Lichenologist 48: 756. 2016.
Literature: Vainio 1909 as *Didymella cinchonae*; Aptroot et al., 2007 as *Arthopyrenia cinchonae*
291. *Cratiria amphorea* (Eckfeldt) Marbach, Biblioth. Lichenol. 74: 172 (2000)
Literature: Aptroot et al., 2007
292. *Cratiria dissimilis* (Nyl.) Mabach, Biblioth. Lichenol. 74: 177 (2000)
Literature: Schumm and Aptroot 2012
293. *Cratiria lauricassiae* (Fée) Marbach, Biblioth. Lichenol. 74: 160 (2000)
Literature: Aptroot et al., 2007; Van den Boom et al., 2014
294. *Cratiria melanochlora* (Kremp.) Marbach, Biblioth. Lichenol. 74: 183 (2000)
Literature: Aptroot et al., 2007; Mongkolsuk and Meesim 2012
295. *Cratiria obscurior* (Stirt.) Marbach & Kalb, in Marbach, Biblioth. Lichenol. 74: 186 (2000)
Literature: Aptroot et al., 2007
296. *Cratiria rutilans* Marbach, Biblioth. Lichenol. 74: 193 (2000)
Literature: Aptroot et al., 2007
297. *Cratiria rutilantoides* Marbach, Biblioth. Lichenol. 74: 196 (2000)
Literature: Aptroot et al., 2007
298. *Creographa subbrasilensis* Sutjaritt. & Kalb, Phytotaxa 189: 313 (2014)
Literature: Sutjaritturakan and Kalb 2014
299. *Cresponea chloroconia* (Tuck.) Egea & Torrente, Mycotaxon 48: 310 (1993)
Literature: Vainio 1909 as *Lecanactis deminuens*; Wolseley et al., 2002
300. *Cresponea leprieurii* (Mont.) Egea & Torrente, Mycotaxon 48: 317 (1993)
Literature: Aptroot et al., 2007

301. *Cresponea proximata* (Nyl.) Egea & Torrente, Mycotaxon 48: 328 (1993)
Literature: Wolseley et al., 2002; Aptroot et al., 2007; Schumm and Aptroot 2012
302. *Crocodia aurata* (Ach.) Link, Handb. Erkennung Vork. Gewächs. 3: 177 (1833)
Literature: Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002 as *Pseudocyphellaria aurata*
303. *Crocodia clathrata* (De Not.) Trevis., Lichenoth. Venet.: no. 75 (1869)
Literature: Aptroot et al., 2007 as *Pseudocyphellaria clathrata*
304. *Crocynia gossypina* (Sw.) A.Massal., Atti Ist. Veneto Sci. Lett. Arti 5: 252 (1860) [1859-1860]
Literature: Aptroot et al., 2007
305. *Crocynia pyxinoides* Nyl., Sert. Lich. Trop. Labuan Singapore: 37 (1891)
Literature: Wolseley and Aguirre-Hudson 1995; 1997a; 1997b; Boonpragob et al., 1998
306. *Cruentotrema cruentatum* (Mont.) Rivas Plata, Lumbsch & Lücking, Fungal Diversity 52: 119 (2012)
Literature: Yoshimura 1978 as *Thelotrema rhododiscum*; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010 as *Ocellularia cruentata*; Sutjaritturakan and Kalb 2015
307. *Cruentotrema kurandense* (Mangold) Rivas Plata, Lumbsch & Lücking, in Rivas Plata, Lücking & Lumbsch, Fungal Diversity 52: 119 (2012)
Literature: Kalb et al., 2016b
308. *Cruentotrema lirelliforme* J. Kalb, Polyiam & K. Kalb, in Kalb, Polyiam, Rivas Plata, Bawingan, Kalb & Lücking, Phytotaxa 268: 115 (2016)
Literature: Kalb et al., 2016b
309. *Cruentotrema thailandicum* Rivas Plata, Papong & Lumbsch, in Rivas Plata et al., Fungal Diversity 52: 119 (2012)
Literature: Rivas Plata et al., 2012b; Lumbsch et al., 2014
310. *Crustospathula khaoyaiana* Kalb & Mongkolsuk, in Kalb et al., Phytotaxa 42: 35-47 (2012)
Literature: Kalb et al., 2012
311. *Cryptolechia subincolorella* (Nyl.) D.Hawksw. & Dibben, Lichenologist 14: 100 (1982)
Literature: Aptroot et al., 2007
312. *Cryptothecia candida* (Kremp.) R.Sant., Symb. Bot. Upsal. 12: 65 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
313. *Cryptothecia eungellae* G.Thor, Symb. Bot. Upsal. 32: 280 (1997)
Literature: Kalb et al., 2012
314. *Cryptothecia obtecta* Makhija & Patw., Biovigyanam 13: 46 (1987)
Literature: Wolseley et al., 2002
315. *Cryptothecia philippinum* (Vain.) G.Thor, Symb. Bot. Upsal. 32: 283 (1997)
Literature: Aptroot et al., 2007

316. *Cryptothecia punctosorediata* Sparrius, in Sparrius & Saipunkaew, Lichenologist 37: 507 (2005)
Literature: Sparrius and Saipunkaew 2005
317. *Cryptothecia scripta* G.Thor, Symb. Bot. Upsal.32: 285 (1997)
Literature: Aptroot et al., 2007
318. *Cryptothelium sepultum* (Mont.) A.Massal., Atti Ist. Veneto Sci. Lett. Arti 5: 335 (1860) [1859-1860]
Literature: Aptroot et al., 2007
319. *Culbersonia nubila* (Moberg) Essl., Lichen Flora of the Greater Sonoran Desert Region 1: 164 (2002)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Pyxine nubila*
320. *Dendrocosticta platyphylla* (Trevis.) B.Moncada & Lücking, Lichenologist 45: 222 (2013)
Literature: Satô 1962; Yoshimura 1978; Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002 as *Sticta nylanderiana*
321. *Dendrocosticta platyphylloides* (Nyl.) B.Moncada & Lücking, Lichenologist 45: 223 (2013)
Literature: Yoshimura 1978; Wolseley et al., 2002 as *Sticta platyphylloides*
322. *Dendrocosticta wrightii* (Tuck.) Moncada & Lücking, Lichenologist 45: 223 (2013)
Literature: Vainio 1921; Wolseley et al., 2002 as *Sticta wrightii*
323. *Dibaeis arcuata* (Stirt.) Kalb & Gierl, in Gierl & Kalb, Herzogia 9: 617 (1993)
Literature: Aptroot et al., 2007 as *Baeomyces fungoides*
324. *Dichosporidium boschianum* (Mont.) G.Thor, Opera Bot. 103: 64 (1991)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
325. *Dictyonema thelephora* (Spreng.) Zahlbr., Cat. Lich. Univ. 7: 748 (1931)
Literature: Vainio 1909; Paulson 1930 as *Dictyonema sericeum*; Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002 as *Dictyonema sericeum* f. *thelephora*
326. *Dimelaena tenuis* (Müll.Arg.) H.Mayrhofer & Wippel, in H.Mayrhofer et al., Mycotaxon 58: 304 (1996)
Literature: Aptroot et al., 2007; Mongkolsuk and Meesim 2012
327. *Dimelaena thysanota* (Tuck.) Hale & W.L.Culb., Bryologist 73: 513 (1970)
Literature: Meesim and Mongkolsuk 2010b; Mongkolsuk and Meesim 2012
328. *Dimelaena weberi* Sheard, in Sheard & H.Mayrhofer, Bryologist 87: 246 (1984)
Literature: Meesim and Mongkolsuk 2010b
329. *Diorygma angusticarpum* Sutjaritt. & Kalb, Phytotaxa 189: 314 (2014)
Literature: Sutjaritturakan and Kalb 2014
330. *Diorygma chumphonense* Sutjaritt. & Kalb, Phytotaxa 189: 314 (2014)
Literature: Sutjaritturakan and Kalb 2014
331. *Diorygma citri* Sutjaritt. & Kalb, Phytotaxa 189: 316 (2014)
Literature: Sutjaritturakan and Kalb 2014

332. *Diorygma conprotocetraricum* Sutjaritt. & Kalb, Phytotaxa 189: 316 (2014)
Literature: Sutjaritturakan and Kalb 2014
333. *Diorygma erythrellum* (Mont. & Bosch) Kalb, Staiger & Elix, Symb. Bot. Upsal. 34: 150 (2004)
Literature: Nakanishi et al., 2001 as *Graphina erythrella*
334. *Diorygma fuscopruinosum* Sutjaritt. & Kalb, Phytotaxa 189: 317 (2014)
Literature: Sutjaritturakan and Kalb 2014
335. *Diorygma hieroglyphicellum* Sutjaritt. & Kalb, Phytotaxa 189: 317 (2014)
Literature: Sutjaritturakan and Kalb 2014
336. *Diorygma hieroglyphicum* (Pers.) Staiger & Kalb, Biblioth. Lichenol. 85: 113 (2002)
Literature: Aptroot et al., 2007 as *Graphis albidolivens*; Poengsungnoen et al., 2010; Mongkolsuk et al., 2013; as *Graphis siamensis* Vain., (Wolseley et al., 2002)
337. *Diorygma inexpectatum* Sutjaritt. & Kalb, Phytotaxa 189: 318 (2014)
Literature: Sutjaritturakan and Kalb 2014
338. *Diorygma junghuhnii* (Mont. & Bosch) Kalb, Staiger & Elix, Symb. Bot. Upsal. 34: 157 (2004)
Literature: Vainio 1921 as *Graphis obtecta* var. *columbiana*; Wolseley et al., 2002 as *Graphina columbiana*; Aptroot et al., 2007; Poengsungnoen et al., 2010
339. *Diorygma pruinsum* (Eschw.) Kalb, Staiger & Elix, Symb. Bot. Upsal. 34: 166 (2004)
Literature: Aptroot et al., 2007
340. *Diorygma reniforme* (Fée) Kalb, Staiger & Elix, Symb. Bot. Upsal. 34: 167 (2004)
Literature: Aptroot et al., 2007; Poengsungnoen et al., 2010
341. *Diorygma salazinicum* Sutjaritt. & Kalb, Phytotaxa 189: 319 (2014)
Literature: Sutjaritturakan and Kalb 2014
342. *Diorygma soozanum* (Zahlbr.) M.Nakan. & Kashiw., in Nakanishi et al., Bull. Natl. Sci. Mus., Tokyo 29: 86 (2003)
Literature: Kalb et al., 2009b
343. *Diorygma subpruinsum* Sutjaritt. & Kalb, Phytotaxa 189: 319 (2014)
Literature: Sutjaritturakan and Kalb 2014
344. *Diorygma thailandicum* Sutjaritt. & Kalb, Phytotaxa 189: 321 (2014)
Literature: Sutjaritturakan and Kalb 2014
345. *Diploschistes actinostomus* (Ach.) Zahlbr., Hedwigia 31: 34 (1892)
Literature: Aptroot et al., 2007
346. *Diploschistes cinereoaeisus* (Sw. ex Ach.) Vain., Ann. Acad. Sci. Fenn., ser. A 15(6): 172 (1921)
347. *Diplotomma alboatrum* (Hoffm.) Flot., Jahrsb. Schles. Ges. Vaterl. Kult. 27: 97 (1849)
Literature: Mongkolsuk and Meesim 2012

348. *Diplotomma venustum* (Körb.) Körb., Parerga Lichenol.: 179 (1860)
Literature: Meesim and Mongkolsuk 2010b as *Buellia venusta*
349. *Dirinaria aegialita* (Ach.) B.J.Moore, Bryologist 71: 248 (1968)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Van den Boom et al., 2014
350. *Dirinaria applanata* (Fée) D.D.Awasthi, J. Indian Bot. Soc. 49:135 (1970)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Saipunkaew et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Schumm and Aptroot 2012; Van den Boom et al., 2014
351. *Dirinaria confluens* (Fr.) D.D.Awasthi, Biblioth. Lichenol. 2: 28 (1975)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
352. *Dirinaria confusa* D.D.Awasthi, Bull. Soc. Bot. France, Lett. Bot. 121: 56 (1975)
Literature: Yoshimura 1978; Wolseley et al., 2002
353. *Dirinaria consimilis* (Stirt.) D.D.Awasthi, in Awasthi & Agarwal, J. Indian Bot. Soc. 49: 135 (1970)
Literature: Wolseley and Aguirre-Hudson 1995; 1997a; 1997b; Wolseley et al., 2002; Saipunkaew et al., 2007
354. *Dirinaria papillulifera* (Nyl.) D.D.Awasthi, Bryologist 67: 369 (1964)
Literature: Aptroot et al., 2007; Van den Boom et al., 2014
355. *Dirinaria picta* (Sw.) Schaer. ex Clem., in Clements & Shear, Gen. Fungi, ed. 2.: 323 (1931)
Literature: Paulson 1930; Vainio 1909 as *Physcia picta*; Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002; Papong et al., 2007; Saipunkaew et al., 2007; Meesim and Mongkolsuk 2010a; Schumm and Aptroot 2012; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2013
356. *Dirinaria purpurascens* (Vain.) B.J.Moore, Bryologist 71: 251 (1968)
Literature: Aptroot et al., 2007
357. *Dyplolabia afzelii* (Ach.) A.Massal., Neagen. Lich.: 6 (1854)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Poengsungnoen et al., 2010; Mongkolsuk et al., 2012; Mongkolsuk and Poengsungnoen 2013 as *Graphis afzelii*
358. *Dyplolabia ochrocheila* (Vain.) Rivas Plata & Lücking, in Kalb, Polyiam, Rivas Plata, Bawingan, Kalb & Lücking, Phytotaxa 268: 120 (2016)
Literature: Kalb et al., 2016b
359. *Dyplolabia chumphonensis* J. Kalb & K. Kalb, in Kalb, Polyiam, Rivas Plata, Bawingan, Kalb & Lücking, Phytotaxa 268(2): 115 (2016)
Literature: Kalb et al., 2016b
360. *Echinoplaca epiphylla* Fée, Essai Crypt. Écorc.: 93 (1825) [1824]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
361. *Echinoplaca leucotrichoides* (Vain.) R.Sant., in Thorold, J. Ecol. 40: 129 (1952)

- Literature: Aptroot et al., 2007
362. *Echinoplaca pellicula* (Müll.Arg.) R.Sant., Symb. Bot. Upsal. 12: 367 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
363. *Echinoplaca tetrapla* (Zahlbr.) Lücking, Lichenologist 33: 203 (2001)
Literature: Papong et al., 2007
364. *Endocarpon adscendens* (Anzi) Müll.Arg., Bull. Murith. Soc. Valais. Sci. Nat. 10: 58 (1881)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
365. *Endocarpon pallidulum* (Nyl.) Nyl., in Hue, Nouv. Arch. Mus. Hist. Nat. 4: 106 (1892)
Literature: Aptroot et al., 2007
366. *Enterographa anguinella* (Nyl.) Redinger, Reprium nov. Spec. Regni veg. 43: 62 (1938)
Literature: Aptroot et al., 2007
367. *Enterographa angustissima* (Vain.) R.Sant., Symb. Bot. Upsal. 12: 105 (1952)
Literature: Papong et al., 2007
368. *Enterographa inthanonensis* Sparrius, in Aptroot et al., Fungal Diversity 24: 98 (2007)
Literature: Aptroot et al., 2007
369. *Enterographa mesomela* Sparrius, Saipunkaew & Wolseley, Lichenologist 38: 30 (2006)
Literature: Sparrius et al., 2006
370. *Enterographa pallidella* (Nyl.) Redinger, Reprium nov. Spec. Regni veg. 43: 61 (1938)
Literature: Vainio 1909 as *Enterographa pallidellum* var. *olivaceoalba*, *Chiodecton pallidellum* var. *perpallida*; Wolseley et al., 2002 as *Chiodecton pallidellum* var. *olivaceoalba*, *Chiodecton pallidellum* var. *olivaceostraminea*, *Chiodecton pallidellum* var. *perpallida*; Schumm and Aptroot 2012
371. *Enterographa subserialis* (Nyl.) Redinger, Reprium nov. Spec. Regni veg. 43: 69 (1938)
Literature: Aptroot et al., 2007
372. *Enterographa tropica* Sparrius, Biblioth. Lichenol. 89: 61 (2004)
Literature: Aptroot et al., 2007
373. *Eremothecella calamicola* Syd. & P.Syd., Ann. Mycol. 15: 236 (1917)
Literature: Aptroot et al., 2007
374. *Eremothecella macrocephala* (R.Sant.) Thor, Lücking & Matsumoto, Symb. Bot. Upsal. 32: 39 (2000)
Literature: Boonpragob et al., 1998 as *Stirtonia macrocephala*; Wolseley et al., 2002
375. *Erioderma sorediatum* D.J.Galloway & P.M.Jørg., Lichenologist 7: 139 (1975)
Literature: Wolseley and Aguirre-Hudson 1995; Boonpragob et al., 1998; Wolseley et al., 2002
376. *Eschatogonia marivelensis* (Vain.) Kalb, Biblioth. Lichenol. 88: 310 (2004)

- Literature: Kalb et al., 2009a
377. *Eschatogonia prolifera* (Mont.) R.Sant., in Swinscow & Krog, *Macrolichens East Africa*: 86 (1988)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Aptroot et al., 2007; Kalb et al., 2012
378. *Eugeniella micrommata* (Kremp.) Lücking, Sérus. & Kalb, *Fl. Neotrop. Monogr.* 103: 716 (2008)
Literature: Papong et al., 2007 as *Bacidia micrommata*; Aptroot et al., 2007
379. *Fellhanera bouteillei* (Desm.) Vězda, *Folia Geobot. Phytotax.* 21: 214 (1986)
Literature: Aptroot et al., 2007; Papong et al., 2007
380. *Fellhanera fuscata* (Müll.Arg.) Vězda, *Folia Geobot. Phytotax.* 21: 214 (1986)
Literature: Aptroot et al., 2007
381. *Fellhanera mastothallina* (Vain.) Lücking & Sérus., *Lichenologist* 33: 192 (2001)
Literature: Papong et al., 2007
382. *Fellhanera raphidophylli* (Rehm) Vězda, *Folia Geobot. Phytotax.* 21: 214 (1986)
Literature: Papong et al., 2007
383. *Fibrillithecia argentea* (Müll.Arg.) Rivas Plata & Lücking, in Rivas Plata, Lücking, Sipman, Mangold, Kalb & Lumbsch, *Lichenologist* 42: 183 (2010)
Literature: Wolseley et al., 2002 as *Thelotrema piluliferum* and *Thelotrema platysporum*
384. *Fissurina albonitens* (Müll.Arg.) A.W.Archer, *Telopea* 11: 71 (2005)
Literature: Paulson 1930 as *Graphis albonitens*
385. *Fissurina cingalina* (Nyl.) Staiger, *Biblioth. Lichenol.* 85: 128 (2002)
Literature: Poengsungnoen et al., 2010
386. *Fissurina dumastii* Fée, *Essai Crypt. Écorc.*: 90 (1825) [1824]
Literature: Aptroot et al., 2007; Lumbsch et al., 2014
387. *Fissurina incrustans* Müll.Arg., *Mém. Soc. Phys. Genève* 29: 45 (1887)
Literature: Aptroot et al., 2007
388. *Fissurina inabensis* Vain., *Bot. Mag., Tokyo* 32: 161 (1918)
Literature: Nakanishi et al., 2001 as *Graphina inabensis*
389. *Fissurina inquinata* C.Knight & Mitt., *Trans. Linn. Soc. London* 23: 102 (1860)
Literature: Aptroot et al., 2007
390. *Fissurina insculpta* Mont., *Ann. Sci. Nat., Bot.* 18: 280 (1842)
Literature: Aptroot et al., 2007
391. *Fissurina quadrispora* Kalb, *Herzogia* 9: 64 (1992)
Literature: Aptroot et al., 2007
392. *Fissurina marginata* Staiger, *Biblioth. Lichenol.* 85: 144 (2002)
Literature: Lumbsch et al., 2014
393. *Fissurina niveoalba* Poengs. & Kalb, *Phytotaxa* 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
394. *Fissurina phluangii* Poengs. & Kalb, *Phytotaxa* 189: 255-267 (2014)

- Literature: Poengsungnoen et al., 2014b
395. *Fissurina pseudostromatica* Lücking & Rivas Plata, Bull. Florida Mus. Nat. Hist. 49: 145 (2011)
Literature: Lumbsch et al., 2014
396. *Fissurina radiata* Mont., Ann. Sci. Nat., Bot. 18: 280 (1842)
Literature: Aptroot et al., 2007
397. *Fissurina rubiginosa* (Fée) Staiger, Biblioth. Lichenol. 85: 148 (2002)
Literature: Aptroot et al., 2007
398. *Fissurina rufula* (Mont.) Staiger, Biblioth. Lichenol. 85: 160 (2002)
Literature: Aptroot et al., 2007
399. *Flakea papillata* O.E.Erikss., Syst. Ascomycetum 11: 14 (1992)
Literature: Aptroot et al., 2007 as *Agonimia papillata*
400. *Flavoparmelia caperata* (L.) Hale, Mycotaxon 25: 604 (1986)
Literature: Wolseley and Aguirre-Hudson 1995 as *Pseudoparmelia caperatum*
401. *Fuscopannaria siamensis* P.M.Jørg. & Wolseley, J. Hattori Bot. Lab. 89: 256 (2000)
Literature: Jørgensen 2000; Wolseley et al., 2002
402. *Gassicurtia chermesina* (Kalb) Marbach, Biblioth. Lichenol. 74: 222 (2000)
Literature: Aptroot et al., 2007
403. *Gassicurtia clathrisidiata* Aptroot, in Aptroot et al., Fungal Diversity 24: 101 (2007)
Literature: Aptroot et al., 2007
404. *Gassicurtia coccifera* Marbach & Kalb, in Marbach, Biblioth. Lichenol. 74: 223 (2000)
Literature: Van den Boom et al., 2014
405. *Gassicurtia omiae* Kalb, in Kalb, Archer, Sutjaritturakan & Boonpragob, Biblioth. Lichenol. 99: 230 (2009)
Literature: Kalb et al., 2009a
406. *Gibbosporina boninensis* (Kurok.) Elvebakk & P.M.Jørg., Lichenologist 48: 29 (2016)
Literature: Aptroot et al., 2007 as *Psoroma sphinctrinum*
407. *Glaucotrema costaricense* (Müll.Arg.) Rivas Plata & Lumbsch, Taxon 6: 1175 (2013)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Myriotrema costaricense*
408. *Glaucotrema glaucophaenum* (Kremp.) Rivas Plata & Lumbsch, Taxon 61: 1175 (2012)
Literature: Mongkolsuk et al., 2013 as *Myriotrema glaucophaenum*; Kraichak et al., 2014; Papong et al., 2014
409. *Glaucotrema thailandicum* Nakswankul, Lücking & Lumbsch, MycoKeys 17: 53 (2016)
Literature: Nakswankul et al., 2016
410. *Glyphis cicatricosa* Ach., Syn. Meth. Lich.: 107 (1814)
Literature: Vainio 1909; Wolseley et al., 2002; Poengsungnoen et al., 2010 as *Graphis cicatricosa* var. *confluens*

411. *Glyphis scyphulifera* (Ach.) Staiger, Biblioth. Lichenol. 85: 175 (2002)
Literature: Vainio 1909; Wolseley and Aguirre-Hudson 1997a; Boonpragob et al., 1998; Wolseley et al., 2002 as *Gyrostomum scyphuliferum*; Schumm and Aptroot 2012
412. *Graphidastra byssiseda* (Müll.Arg.) G.Thor, Opera Bot. 103: 80 (1991)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
413. *Graphidastra laii* Aptroot & Sparrius, Lichenologist 38: 31 (2006)
Literature: Sparrius et al., 2006
414. *Graphis acharii* Fée, Essai Crypt. Écorc.: 39 (1825) [1824]
Literature: Aptroot et al., 2007
415. *Graphis analoga* Nyl., Ann. Sci. Nat., Bot. 11: 244 (1859)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002 as *Graphina simplex*; Pitakpong et al., 2015
416. *Graphis arbusculiformis* (Vain.) Lücking, in Lücking, Sutjaritturakan & Kalb, Lichenologist 44(3): 391 (2012)
Literature: Lücking et al., 2012
417. *Graphis assimilis* Nyl., Bull. Soc. Linn. Normandie 2: 109 (1868)
Literature: Poengsungnoen et al., 2010
418. *Graphis australosiamensis* Sutjaritt. & Kalb, Phytotaxa 189: 321 (2014)
Literature: Sutjaritturakan and Kalb 2014
419. *Graphis caesiella* Vain., Acta Soc. Fauna Fl. Fenn. 7: 122 (1890)
Literature: Pitakpong et al., 2015
420. *Graphis cincta* (Pers.) Aptroot, Flora of Australia (Melbourne) 57: 651 (2009)
Literature: Pitakpong et al., 2015
421. *Graphis concolor* Nyl., Mém. Soc. Sci. nat. Cherbourg 5: 129 (1857)
Literature: Vainio 1909; Wolseley et al., 2002 as *Graphina boschiana*
422. *Graphis consimilis* Vain., Hedwigia 46: 177 (1907)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002 as *Graphina consimilis*
423. *Graphis dendrogramma* Nyl. in Lücking et al., Lichenologist 41: 363–452 (2009)
Literature: Papong et al., 2007 as *Graphis ceylanica*
424. *Graphis dussii* Vain., Hedwigia 38: 255 (1899)
Literature: Aptroot et al., 2007
425. *Graphis emersa* Müll.Arg., Hedwigia 32: 132 (1893)
Literature: Poengsungnoen et al., 2010
426. *Graphis fissurinoidea* (Nyl.) Vain., Bot. Tidsskr. 29: 128 (1909)
Literature: Vainio 1909; Wolseley et al., 2002 as *Graphina fissurinoidea*
427. *Graphis furcata* Fée, Essai Crypt. Écorc.: 40 (1825) [1824]
Literature: Poengsungnoen et al., 2010; Pitakpong et al., 2015
428. *Graphis glaucescens* Fée, Essai Crypt. Écorc.: 36 (1825) [1824]
Literature: Aptroot et al., 2007
429. *Graphis glaucocinerea* Vain., Hedwigia 46: 178 (1907)
Literature: Vainio 1909 as *Graphina glaucocinerea*; Wolseley et al., 2002

430. *Graphis glaucorufa* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1(no. 3): 51 (1921)
Literature: Vainio 1921; Alava 1988; Nakanishi et al., 2001; Wolseley et al., 2002 as *Graphina glaucorufa*
431. *Graphis handelii* Zahlbr., in Handel-Mazzetti, Symb. Sin. 3: 44 (1930)
Literature: Poengsungnoen 2010 as *Graphis chondroplaca*; Pitakpong et al., 2015
432. *Graphis hossei* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1: 53 (1921)
Literature: Vainio 1921; Alava 1988; Wolseley et al., 2002 as *Graphis tenuis*; Poengsungnoen et al., 2010
433. *Graphis intermedians* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1: 50 (1921)
Literature: Vainio 1921; Wolseley et al., 2002 as *Graphina intermedians*
434. *Graphis irosina* Vain. Ann. Acad. Sci. fenn., ser. A 15: 213 (1921)
Literature: Nakanishi et al., 2001 as *Graphina irosina*
435. *Graphis jejuensis* K.H. Moon, M. Nakan. & Kashiw., Jap. J. Bot. 87: 320-325 (2012)
Literature: Pitakpong et al., 2015
436. *Graphis koratensis* Pitakpong, Kraichak, Lücking, Lichenologist 47: 338 (2015)
Literature: Pitakpong et al., 2015
437. *Graphis leptospora* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1: 53 (1921)
Literature: Vainio 1921; Wolseley et al., 2002
438. *Graphis librata* C.Knight, Trans. & Proc. New Zealand Inst. 16: 404 (1884) [1883]
Literature: Poengsungnoen et al., 2010; Schumm and Aptroot 2012; Pitakpong et al., 2015
439. *Graphis lineola* Ach., Lichenogr. Universalis: 264 (1810)
Literature: Vainio 1909; Wolseley et al., 2002 as *Graphina lineola*
440. *Graphis longiramea* Müll.Arg., J. Linn. Soc., Bot. 29: 225 (1892)
Literature: Poengsungnoen et al., 2010
441. *Graphis longispora* D.D.Awasthi & S.R.Singh, Norweg. J. Bot. 24: 3 (1977)
Literature: Poengsungnoen et al., 2010
442. *Graphis lumbricina* Vain., Hedwigia 38: 256 (1899)
Literature: Aptroot et al., 2007
443. *Graphis marginata* Raddi, Atti Soc. Naturalisti Mat. Modena 18: 344 (1820)
Literature: Poengsungnoen et al., 2010
444. *Graphis nanodes* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 209 (1921)
Literature: Poengsungnoen et al., 2010
445. *Graphis nigrocarpa* Adaw. & Makhija, Mycotaxon 96: 56 (2006)
Literature: Pitakpong et al., 2015
446. *Graphis norvestitoides* Sutjaritturakan, Lichenologist 44(3): 391 (2012)
Literature: Lücking et al., 2012

447. *Graphis novopalmycolica* A.W. Archer & Lücking, in Lücking, Archer & Aptroot, Lichenologist 41(4): 439 (2009)
Literature: Poengsungnoen et al., 2010
448. *Graphis nuda* (H.Magn.) Staiger & Lücking, in Lücking, Chaves, Sipman, Umaña & Aptroot, Fieldiana, Bot. 38: 93 (2008)
Literature: Vainio 1909; Wolseley et al., 2002 as *Graphina ruiziana* var. *gracilior*
449. *Graphis ochrocheila* Vain., Hedwigia 46: 178 (1907)
Literature: Vainio 1909 as *Graphina chrocheila*; Wolseley et al., 2002
450. *Graphis pavoniana* Fée, Essai Crypt. Écorc.: 40 (1825) [1824]
Literature: Aptroot et al., 2007; Pitakpong et al., 2015
451. *Graphis persimilis* Vain., Bot. Tidsskr. 29: 125 (1909)
Literature: Wolseley et al., 2002 as *Phaeographina persimilis*
452. *Graphis perstriatula* Nyl., Bull. Soc. Linn. Normandie, sér. 2, 7: 176 (1873)
Literature: Nakanishi et al., 2001 as *Graphina perstriatula*
453. *Graphis phaeospora* Vain. in Lücking et al., Lichenologist 41: 363–452 (2009).
Literature: Aptroot et al., 2007 as *Graphis subcinerea*; Pitakpong et al., 2015
454. *Graphis proserpens* Fée, Essai Crypt. Écorc.: 40 (1825) [1824]
Literature: Aptroot et al., 2007; Pitakpong et al., 2015
455. *Graphis pyrrhocheiloides* Zahlbr., Cat. Lich. Univ. 2: 321 (1923) [1924]
Literature: Alava 1988 as *Graphina pyrrhocheila*; Wolseley et al., 2002; Poengsungnoen 2010; Pitakpong et al., 2015
456. *Graphis renschiana* (Müll. Arg.) Stizenb., Ber. Tätigk. St. Gallischen Naturwiss. Ges.: 184 (1891)
Literature: Pitakpong et al., 2015
457. *Graphis rhizocola* (Fée) Lücking & Chaves, in Lücking et al., Fieldiana, Bot. 46: 102 (2008)
Literature: Poengsungnoen et al., 2010; Pitakpong et al., 2015
458. *Graphis rimulosa* (Mont.) Trevis., Spighe e Paglie: 11 (1853)
Literature: Poengsungnoen et al., 2010; Pitakpong et al., 2015
459. *Graphis rongklaensis* Sutjaritturakan Lücking 44(3): 391–394 (2012)
Literature: Lücking et al. 2012; Nakanishi et al., 2001 as *Graphina vestita*
460. *Graphis rustica* Kremp., Nuovo Giorn. Bot. Ital. 7: 61 (1875)
Literature: Poengsungnoen et al., 2010
461. *Graphis sauroidea* Leight., Trans. Linn. Soc. London 25: 452 (1866)
Literature: Vainio 1909 as *Graphina sauroidea*; Wolseley et al., 2002
462. *Graphis schmidtii* Vain., Hedwigia 46: 176 (1907)
Literature: Vainio 1909; Wolseley et al., 2002 as *Phaeographina schmidtii*
463. *Graphis seminuda* Müll. Arg., Bull. Soc. Roy. Bot. Belgique 30: 79 (1891)
Literature: Pitakpong et al., 2015
464. *Graphis semirigida* (Müll.Arg.) Lücking, Lichenologist 41: 422 (2009)
Literature: Poengsungnoen et al., 2010
465. *Graphis stenotera* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 243 (1921)
Literature: Poengsungnoen et al., 2010

466. *Graphis streblocarpa* (Bél.) Müll. Arg., Flora, Regensburg 65: 502 (1882)
Literature: Vainio 1921; Wolseley et al., 2002 as *Graphina streblocarpa* var. *pauperior* Poengsungnoen et al., 2010; Pitakpong et al., 2015
467. *Graphis striatula* (Ach.) Spreng., Syst. Veg. (ed. 16) [Sprengel] 4: 250 (1827)
Literature: Vainio 1909 as *Graphina striatula*; Wolseley et al., 2002
468. *Graphis subdisserpens* Nyl., Bull. Soc. Linn. Normandie 7: 175 (1873)
Literature: Vainio 1909 as *Graphina subdisserpens*; Wolseley et al., 2002
469. *Graphis subdussii* Poengs. & Kalb, Phytotaxa 189: 255–267 (2014) Literature: Poengsungnoen et al., 2014b
470. *Graphis subinsulana* Poengs. & Kalb, Phytotaxa 189: 255–267 (2014)
Literature: Poengsungnoen et al., 2014b
471. *Graphis subobtecta* var. *feracior* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. “Vanamo” 1 (no. 3): 51 (1921)
Literature: Vainio 1921; Alava 1988; Wolseley et al., 2002 as *Graphina subobtecta* var. *feracior*
472. *Graphis subrigida* Nyl., J. Linn. Soc., Bot. 20: 58 (1883)
Literature: Vainio 1909; Wolseley et al., 2002 as *Phaeographina subrigida*
473. *Graphis subserpentina* Nyl., Acta Soc. Sci. Fenn. 7(2): 465 (1863)
Literature: Pitakpong et al., 2015; Nakanishi et al., 2001; Poengsungnoen et al., 2010 as *Graphina subserpentina*
474. *Graphis subregularis* A.W.Archer, Austral. Syst. Bot. 14: 266 (2001)
Literature: Poengsungnoen et al., 2010
475. *Graphis subvittata* Adaw. & Makhija, Mycotaxon 99: 322 (2007)
Literature: Poengsungnoen et al., 2010
476. *Graphis supracola* A.W.Archer, Aust. Syst. Bot. 14: 267 (2001)
Literature: Poengsungnoen et al., 2010; Schumm and Aptroot 2012
477. *Graphis tenella* var. *epiphaea* Vain., Bot. Tidsskr. 29: 133 (1909)
Literature: Vainio 1909 and Alava 1988 as *Graphina tenella* var. *epiphaea*; Wolseley et al., 2002
478. *Graphis tenella* Ach., Syn. Meth. Lich.: 81 (1814)
Literature: Vainio 1921; Wolseley et al., 2002; Pitakpong et al., 2015
479. *Graphis trichospora* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. “Vanamo” 1: 52 (1921)
Literature: Vainio 1921; Wolseley et al., 2002
480. *Graphis verminosa* Müll.Arg., J. Linn. Soc., Bot. 29: 224 (1892)
Literature: Poengsungnoen et al., 2010
481. *Graphis vittata* Müll.Arg., Flora 65: 335 (1882)
Literature: Poengsungnoen et al., 2010
482. *Gyalectidium caucasicum* (Elenkin & Woron.) Vězda, Folia Geobot. Phytotax. 18: 56 (1983)
Literature: Aptroot et al., 2007
483. *Gyalectidium novoguineense* Sérus., in Ferraro et al., J. Linn. Soc., Bot. 137: 340 (2001)
Literature: Papong et al., 2007

484. *Gyalidea luzonensis* (Kalb & Vězda) Aptroot & Lücking, Biblioth. Lichenol. 86: 69 (2003)
Literature: Aptroot et al., 2007
485. *Gyalideopsis altamirensis* Lücking & Umaña, in Lücking et al., Lichenologist 38: 133 (2006)
Literature: Wolseley et al., 2002; Aptroot et al., 2007
486. *Gyalideopsis lambinonii* Vězda, Folia Geobot. Phytotax. 14: 64 (1979)
Literature: Aptroot et al., 2007
487. *Gyalideopsis rubescens* Vězda, Folia Geobot. Phytotax. 14: 67 (1979)
Literature: Boonpragob et al., 1998
488. *Gyalideopsis vainioi* Kalb & Vězda, Biblioth. Lichenol. 29: 51 (1988)
Literature: Aptroot et al., 2007
489. *Gymnoderma coccocarpum* Nyl., Syn. Meth. Lich. 2: 26 (1863)
Literature: Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002
490. *Gymnographa heterospora* (Nyl.) Staiger, Biblioth. Lichenol. 85: 271 (2002)
Literature: Aptroot et al., 2007
491. *Haematomma africanum* (J. Steiner) C.W. Dodge, Beih. Nova Hedwigia 38: 39 (1971)
Literature: Sriprang and Mongkolsuk 2010
492. *Haematomma collatum* (Stirt.) C.W.Dodge, Beih. Nova Hedwigia 38: 41 (1971)
Literature: Wolseley et al., 2002; Sriprang and Mongkolsuk 2010
493. *Haematomma flexuosum* Hillmann, Feddes Repert. Spec. Nov. Regni Veg. 49: 35 (1938)
Literature: Kalb et al., 2009a
494. *Haematomma parda* Aptroot, in Aptroot et al., Fungal Diversity 24: 103 (2007)
Literature: Aptroot et al., 2007
495. *Haematomma puniceum* (Sm. ex Ach.) A.Massal, Atti Ist. Veneto Sci. Lett. Arti 5: 253. (1860)
Literature: Vainio 1921; Wolseley et al., 1994; Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 2002
496. *Haematomma rufidulum* (Fée) A.Massal., Atti Ist. Veneto Sci. Lett. Arti 5: 253 (1860) [1859-1860]
Literature: Aptroot et al., 2007; Kalb et al., 2009a; Sriprang and Mongkolsuk 2010
497. *Haematomma wattii* (Stirt.) Zahlbr., Cat. Lich. Univ. 5: 776 (1928)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
498. *Heiomasia sipmanii* (Aptroot, Lücking & Rivas Plata) Nelsen, Lücking & Rivas Plata, Bryologist 113: 748 (2010)
Literature: Aptroot et al., 2009, as *Herpothallon sipmanii*, Nelson et al., 2010
499. *Hemithecium aphanes* Mont. & Bosch, in Miquel, Pl. Jungh. 4: 474 (1855)
Literature: Nakanishi et al., 2001 as *Graphis aphanes*

500. *Hemithecium implicatum* (Fée) Staiger, Biblioth. Lichenol. 85: 287 (2002)
Literature: Pitakpong et al., 2015 as *Graphis implicata*
501. *Herpothallon confluentum* Aptroot & Lücking, in Aptroot et al., Biblioth. Lichenol. 99: 35 (2009)
Literature: Aptroot et al., 2009
502. *Herpothallon echinatum* Aptroot, Lücking & Will-Wolf, in Aptroot et al., Biblioth. Lichenol. 99: 38 (2009)
Literature: Aptroot et al., 2009
503. *Herpothallon granulare* (Sipman) Aptroot & Lücking, in Aptroot et al., Biblioth. Lichenol. 99: 43 (2009)
Literature: Aptroot et al., 2007 as *Cryptothecia granularis*; Aptroot et al., 2009
504. *Herpothallon philippinum* (Vain.) Aptroot & Lücking, in Aptroot et al., Biblioth. Lichenol. 99: 56 (2009)
Literature: Aptroot et al., 2009
505. *Heterocyphellium leucampyx* (Tuck.) Vain., Acta Soc. Fauna Fl. Fenn. 57: 16 (1927)
Literature: Aptroot et al., 2007
506. *Heterodermia angustiloba* (Müll.Arg.) D.D.Awasthi, Geophytology 3(1): 113 (1973)
Literature: Mongkolsuk et al., 2015
507. *Heterodermia antillarum* (Vain.) Swinscow & Krog, Lichenologist 8: 114 (1976)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2015
508. *Heterodermia archeri* Elix, Australas. Lichenol. 68: 16 (2011)
Literature: Mongkolsuk et al., 2015
509. *Heterodermia comosa* (Eschw.) Follmann & Redón, Willdenowia 6: 446 (1972)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2015
510. *Heterodermia coralloidea* Elix, Australas. Lichenol. 69: 12 (2011)
Literature: Mongkolsuk et al., 2015
511. *Heterodermia dactyliza* (Nyl.) Swinscow & Krog, Lichenologist 8: 117 (1976)
Literature: Meesim and Mongkolsuk 2010a
512. *Heterodermia diademata* (Taylor) D.D.Awasthi, Geophytology 3: 113 (1973)
Literature: Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; 2012; Van den Boom et al., 2014; Mongkolsuk et al., 2015
513. *Heterodermia dissecta* (Kurok.) D.D.Awasthi, Geophytology 3: 113 (1973)
Literature: Mongkolsuk et al., 2015
514. *Heterodermia esorediata* (Vain.) Du Rietz & Lynge, Vidensk. I. Mat.-Nat. Kl. 16: 14 (1924)
Literature: Wolseley et al., 2002
515. *Heterodermia formula* (Nyl.) Trevis., Atti Soc. Ital. Sci. Nat. 11: 615 (1868)
Literature: Mongkolsuk et al., 2015

516. *Heterodermia flabellata* (Fée) D.D.Awasthi, Geophytology 3: 113 (1973)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Van den Boom et al., 2014; Mongkolsuk et al., 2015
517. *Heterodermia flavosquamosa* Aptroot & Sipman, in Sipman, Willdenowia 19: 546 (1990)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
518. *Heterodermia fragilissima* (Kurok.) J.C.Wei & Y.M.Jiang, [Lichens of Xizang] (China): 111 (1986)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
519. *Heterodermia galactophylla* (Tuck.) W.L.Culb., Bryologist 69: 482 (1967)
Literature: Aptroot et al., 2007; Mongkolsuk et al., 2015
520. *Heterodermia hypochraea* (Vain.) Swinscow & Krog, Lichenologist 8: 119 (1976)
Literature: Van den Boom et al., 2014; Mongkolsuk et al., 2015
521. *Heterodermia incana* (Stirt.) D.D.Awasthi, Geophytology 3: 114 (1973)
Literature: Wolseley et al., 2002; Mongkolsuk et al., 2015
522. *Heterodermia isidiophora* (Vain.) D.D.Awasthi, Geophytology 3: 114 (1973)
Literature: Aptroot et al., 2007; Mongkolsuk et al., 2015
523. *Heterodermia koyana* (Kurok.) Elix, Australas. Lichenol. 66: 61 (2010)
Literature: Mongkolsuk et al., 2015
524. *Heterodermia koyanoides* Elix, Australas. Lichenol. 69: 14 (2011)
Literature: Mongkolsuk et al., 2015
525. *Heterodermia lepidota* Swinscow & Krog, Lichenologist 8: 122 (1976)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
526. *Heterodermia obscurata* (Nyl.) Trevis., Nuovo Giorn. Bot. Ital. 1: 114 (1869)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2015
527. *Heterodermia pacifica* (Kurok.) Kurok., Folia Cryptog. Estonica. 32: 23 (1998)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
528. *Heterodermia palpebrata* (Taylor) Trass, Folia Cryptog. Estonica. 29: 17 (1992)
Literature: Schumm and Aptroot 2012
529. *Heterodermia pandurata* (Kurok.) J.C.Wei, An enumeration of lichens in China: 112 (1991)
Literature: Wolseley et al., 2002; Mongkolsuk et al., 2015
530. *Heterodermia paradoxa* Schumm & Schäfer-Verwimp, Herzogia 19: 36 (2006)
Literature: Schumm and Aptroot 2012; Mongkolsuk et al., 2015
531. *Heterodermia podocarpa* (Bél.) D.D.Awasthi, Geophytology 3: 114 (1973)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2015
532. *Heterodermia pseudospeciosa* (Kurok.) W.L.Culb., Bryologist 69: 484 (1967)
Literature: Wolseley and Aguirre-Hudson 1995; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2015
533. *Heterodermia rubescens* (Räsänen) D.D.Awasthi, Geophytology 3: 114 (1973)
Literature: Mongkolsuk et al., 2015

534. *Heterodermia speciosa* (Wulfen) Trevis., Atti. Soc. Ital. Sci. Nat. 11: 614 (1869)
Literature: Vainio 1921 as *Anaptychia speciosa*; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Van den Boom et al., 2014; Mongkolsuk et al., 2015
535. *Heterodermia stellata* (Vain.) W.A.Weber, Mycotaxon 13: 102 (1981)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Mongkolsuk et al., 2015
536. *Heterodermia verdonii* Elix, Australas. Lichenol. 68: 18 (2011)
Literature: Mongkolsuk et al., 2015
537. *Hymenelia lacustris* (With.) M.Choisy, Bull. Mens. Soc. Linn. Soc. Bot. Lyon 18: 145 (1949)
Literature: Aptroot et al., 2007
538. *Hyperphyscia adglutinata* (Flörke) H.Mayrhofer & Poelt, Herzogia 5: 62 (1979)
Literature: Saipunkaew et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Schumm and Aptroot 2012
539. *Hyperphyscia cochlearis* Scutari, Mycotaxon 61: 94 (1997)
Literature: Saipunkaew et al., 2007
540. *Hyperphyscia granulata* (Poelt) Moberg, Nordic J. Bot. 7: 721 (1987)
Literature: Aptroot et al., 2007
541. *Hyperphyscia pandani* (H.Magn.) Moberg, Nordic J. Bot. 7: 722 (1987)
Literature: Saipunkaew et al., 2007
542. *Hypoflavia crustosa* Aptroot, in Aptroot et al., Fungal Diversity 24: 105 (2007)
Literature: Aptroot et al., 2007
543. *Hypogymnia coilocarpa* Vain., Suom. Elain-ja Kasvit. Seuran. Van. Julk. 1: 40 (1921)
Literature: Vainio 1921; Alava 1988 as *Parmelia coilocarpa*; Wolseley et al., 2002
544. *Hypogymnia pseudobitteriana* (D.D.Awasthi) D.D.Awasthi, Geophytology 1: 101 (1971)
Literature: Wolseley et al., 2002; Louwhoff et al., 2012
545. *Hypogymnia subphysodes* (Kremp.) Filson, Vict. Naturalist 87: 325 (1970)
Literature: Vainio 1921 as *Parmelia subphysodes*; Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
546. *Hypogymnia vittata* (Ach.) Parrique, Bull. Soc. Linn. Bordeaux 53: 66 (1898)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
547. *Hypotrachyna addita* (Hale) Hale, Phytologia 28: 340 (1974)
Literature: Louwhoff et al., 2012
548. *Hypotrachyna adjuncta* (Hale) Hale, Phytologia 28: 340 (1974)
Literature: Pooprang et al., 1999; Moon et al., 2000b; Wolseley et al., 2002; Louwhoff et al., 2012
549. *Hypotrachyna bahiana* (Nyl.) Hale, Smithsonian Contr. Bot. 25: 23 (1975)
Literature: Wolseley et al., 2002

550. *Hypotrachyna brevirhiza* (Kurok.) Hale, Smithsonian Contr. Bot. 25: 26 (1975)
Literature: Buaruang et al., 2009; Louwhoff et al., 2012
551. *Hypotrachyna chlorobarbatica* Elix & Pooprang, in Pooprang et al., Mycotaxon 71: 113 (1999)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
552. *Hypotrachyna cirrhata* (Fr.) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 31 (2013)
Literature: Vainio 1921 as *Parmelia vulgaris*; Satô 1962 as *Parmelia cirrhata*; Moon et al., 2000a and Wolseley et al., 2002 as *Everniastrum cirrhatum*
553. *Hypotrachyna coorgiana* Patw. & Prabhu., Bryologist 80: 348 (1977)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Buaruang et al., 2009
554. *Hypotrachyna corneola* Kurok. & K.H.Moon, Bull. Bot. Gard. Toyama 5: 12 (2000)
Literature: Louwhoff et al., 2012
555. *Hypotrachyna crenata* (Kurok.) Hale, Phytologia 28: 341 (1974)
Literature: Wolseley et al., 2002; Louwhoff et al., 2012
556. *Hypotrachyna dactylifera* (Vain.) Hale, Smithsonian Contr. Bot. 25: 30 (1975)
Literature: Moon et al., 2000a; Wolseley et al., 2002
557. *Hypotrachyna ducalis* (Jatta) Hale, Smithsonian Contr. Bot. 25: 33 (1975)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
558. *Hypotrachyna expallida* (Kurok.) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 33 (2013)
Literature: Hale 1976b as *Parmelina expallida*; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Wolseley and Aguirre-Hudson 1995; Louwhoff et al., 2012 as *Parmelinopsis expallida*
559. *Hypotrachyna exsecta* (Taylor) Hale, Phytologia 28: 341 (1974)
Literature: Satô 1962 as *Parmelia exsecta*; Moon et al., 2000a; Louwhoff et al., 2012
560. *Hypotrachyna formosana* (Zahlbr.) Hale, Smithsonian Contr. Bot. 25: 38 (1975)
Literature: Boonpragob et al., 1998; Wolseley and Aguirre-Hudson 1995
561. *Hypotrachyna granulans* K.H.Moon, Kurok. & Kashiw., Bull. Natl. Sci. Mus., Tokyo, B. 26: 135 (2000)
Literature: Moon et al., 2000b; Wolseley et al., 2002; Louwhoff et al., 2012
562. *Hypotrachyna heterochroa* (Hale & Kurok.) Elix, Lich. Aust. Exsicc. 4: 82 (1985)
Literature: Vainio 1921 as *Parmelia bahiana*
563. *Hypotrachyna horrescens* (Taylor) Krog & Swinscow, Lichenologist 19: 420 (1987)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012 as *Parmelinopsis horrescens*
564. *Hypotrachyna imbricatula* (Zahlbr.) Hale, Smithsonian Contr. Bot. 25: 41 (1975)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012

565. *Hypotrachyna immaculata* (Kurok.) Hale, Smithsonian Contr. Bot. 25: 41 (1975)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
566. *Hypotrachyna infirma* (Kurok.) Hale, Phytologia 28: 341 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
567. *Hypotrachyna masonhalei* Patw. & Prabhu, Bryologist 80: 348 (1977)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
568. *Hypotrachyna massartii* (Hue) Hale, Phytologia 28: 341 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
569. *Hypotrachyna microlobulata* (D.D.Awasthi) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 34 (2013)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012 as *Parmelinopsis microlobulata*
570. *Hypotrachyna minarum* (Vain.) Krog & Swinscow, Lichenologist 19: 420 (1987)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012 as *Parmelinopsis minarum*
571. *Hypotrachyna nepalensis* (Taylor) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 32 (2013)
Literature: Satô 1962 and Vainio 1921 as *Parmelia americana*; Wolseley and Aguirre-Hudson 1995; 1997a; Moon et al., 2000a; Wolseley et al., 2002 and Louwhoff et al., 2012 as *Everniastrum nepalense*
572. *Hypotrachyna orientalis* (Hale) Hale, Phytologia 28: 341 (1974)
Literature: Wolseley and Aguirre-Hudson 1995; Boonpragob et al., 1998; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
573. *Hypotrachyna osseoalba* (Vain.) Y.S.Park & Hale, Taxon 38: 88 (1989)
Literature: Alava 1988 as *Parmelia osseoalba*; Vainio 1921; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012
574. *Hypotrachyna physcioides* (Nyl.) Hale, Smithsonian Contr. Bot. 25: 54 (1975)
Literature: Pooprang et al., 1999; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
575. *Hypotrachyna ramkhamhaengiana* Elix & Pooprang, in Pooprang et al., Mycotaxon 71: 113 (1999)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
576. *Hypotrachyna scabrída* (Elix & Pooprang) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 32 (2013)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012 as *Everniastrum scabridum*
577. *Hypotrachyna scytodes* (Kurok.) Hale, Phytologia 28: 341 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
578. *Hypotrachyna sorocheila* (Vain.) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 32 (2013)
Literature: Satô 1962 as *Parmelia sorocheila*; Wolseley et al., 2002 as *Everniastrum sorocheilum*

579. *Hypotrachyna vexans* (Zahlbr. ex W.L.Culb. & C.F.Culb.) Divakar, A.Crespo, Sipman, Elix & Lumbsch, Phytotaxa 132: 33 (2013)
Literature: Wolseley and Aguirre-Hudson 1995; 1997a; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012 as *Everniastrum vexans*
580. *Imshaugia placododia* (Ach.) S.L.F.Mey., Mycologia 77: 338 (1985)
Literature: Wolseley et al., 2002
581. *Ionaspis tropica* Aptroot, in Aptroot, Diederich, Sérusiaux & Sipman, Biblioth. Lichenol. 64: 73 (1997)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
582. *Julella lactea* (A.Massal.) M.E.Barr, Sydowia 38: 13 (1986) [1985]
Literature: Aptroot et al., 2007
583. *Kalbionora palaeotropica* Sodamuk, Leavitt & Lumbsch, MycoKeys 22: 17 (2017)
Literature: Sodamuk et al., 2017
584. *Lasioloma phycophilum* (Vain.) R.Sant., Symb. Bot. Upsal. 12: 550 (1952)
Literature: Papong et al., 2007
585. *Lecanactis flavisedella* (Nyl.) Tehler, Willdenowia 22: 206 (1992)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Aptroot et al., 2007
586. *Lecanactis platygraphoides* (Müll.Arg.) Zahlbr., Cat. Lich. Univ. 2: 541 (1923) [1924]
Literature: Aptroot et al., 2007
587. *Lecanactis subfarinosa* (C.Knight) Hellb., Bih. Kongl. Svenska Vetensk.-Akad. Handl. 21: 120 (1896)
Literature: Aptroot et al., 2007
588. *Lecanographa atropunctata* Sparrius, Saipunkaew & Wolsely, Lichenologist 38: 33 (2006)
Literature: Sparrius et al., 2006
589. *Lecanora achroa* Nyl., in Crombie, J. Linn. Soc., Bot. 14: 26 (1876)
Literature: Vainio 1909 as *Lecanora monodora* and *Lecanora subfusa* v. *chlarona*; Wolseley et al., 2002 as *Lecanora pulicaris* and *Lecanora achroella*; Aptroot et al., 2007; Papong and Lumbsch 2011
590. *Lecanora argentata* (Ach.) Röhl, Deutschl. Fl., Abth. 2: 82 (1813)
Literature: Paulson 1930; Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 1994 and Wolseley et al., 2002 as *Lecanora subfusa*; Papong and Lumbsch 2011
591. *Lecanora arthothelinella* Lumbsch, J. Hattori Bot. Lab. 77: 71 (1994)
Literature: Papong et al., 2011a; Papong and Lumbsch 2011
592. *Lecanora austrotropica* Lumbsch, J. Hattori Bot. Lab. 77: 72 (1994)
Literature: Papong et al., 2011a; Papong and Lumbsch 2011
593. *Lecanora caesiorubella* Ach., Lichenogr. Universalis: 366 (1810)
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011

594. *Lecanora coronulans* Nyl., Flora 59: 510 (1876)
Literature: Papong and Lumbsch 2011
595. *Lecanora ecoronata* Vain., Bolet. Socied. Broteriana 6: 146, 1929–30
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011
596. *Lecanora farinacea* Fée, Essai Crypt. Écorc. (Paris): 117 (1825) [1824]
Literature: Papong and Lumbsch 2011
597. *Lecanora flavoviridis* Kremp., Flora 56: 470 (1873)
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011
598. *Lecanora fumigata* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. “Vanamo” 1: 42 (1921)
Literature: Vainio 1921; Wolseley et al., 2002
599. *Lecanora helva* Stizenb., Ber. Tät. St. Gall. Naturw. Ges.: 218 (1890) [1888–89]
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011; Schumm and Aptroot 2012
600. *Lecanora interjecta* Müll.Arg., Nuovo Giorn. Bot. Ital. 23: 390 (1891)
Literature: Papong and Lumbsch 2011
601. *Lecanora kansriae* Papong & Lumbsch, Lichenologist 43: 308 (2011)
Literature: Papong and Lumbsch 2011
602. *Lecanora leproplaca* Zahlbr., in Magnusson & Zahlbruckner, Ark. Bot. 31: 64 (1944)
Literature: Papong and Lumbsch 2011
603. *Lecanora leprosa* Fée, Essai Crypt. Écorc. (Paris): 118 (1825) [1824]
Literature: Vainio 1909; 1921; Wolseley et al., 2002 as *Lecanora cinereocarnea*; Papong and Lumbsch 2011; Schumm and Aptroot 2012
604. *Lecanora melaleuca* (Müll.Arg.) C.W.Dodge, Beih. Nova Hedwigia 38: 22 (1971)
Literature: Papong and Lumbsch 2011
605. *Lecanora phaeocardia* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. “Vanamo” 1: 41 (1923)
Literature: Vainio 1921 as *Lecanora phaeocardia* var. *subcrenulans* and *Lecanora phaeocardia* var. *lividofuscens*; Wolseley et al., 2002; Aptroot et al., 2007; Papong and Lumbsch 2011
606. *Lecanora plumosa* Müll.Arg., Flora 65: 484 (1882)
Literature: Papong and Lumbsch 2011
607. *Lecanora pseudargentata* Lumbsch, J. Hattori Bot. Lab. 77: 127 (1994)
Literature: Papong and Lumbsch 2011
608. *Lecanora pseudistera* Nyl., Flora 55: 354 (1872)
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011
609. *Lecanora subimmersens* Vain., Bot. Mag. (Tokyo) 35: 51 (1921)
Literature: Papong et al., 2011a; Papong and Lumbsch 2011
610. *Lecanora subimmersa* Müll.Arg., Nova Hedwigia 32: 124 (1893)
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011

611. *Lecanora toroyensis* Zahlbr., Feddes Repert. 33: 52 (1933)
Literature: Papong and Lumbsch 2011
612. *Lecanora tropica* Zahlbr., Cat. Lich. Univ. 5: 589 (1928)
Literature: Vainio 1909; Wolseley et al., 2002 as *Lecanora subgranulata*; Aptroot et al., 2007 as *Lecanora casuarinophila*; Papong and Lumbsch 2011
613. *Lecanora ulrikii* Papong & Lumbsch, Lichenologist 43: 48 (2010)
Literature: Papong et al., 2011a; Papong and Lumbsch 2011
614. *Lecanora vainioi* Vänškä, Ann. Bot. Fenn. 23: 123 (1986)
Literature: Aptroot et al., 2007; Papong and Lumbsch 2011
615. *Lecidopyrenopsis corticola* Vain., Hedwigia 46: 172 (1907)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002
616. *Leioderma sorediatum* D.J.Galloway & P.M.Jørg., Lichenologist 19: 390 (1987)
Literature: Jørgensen and Wolseley 2009
617. *Leiorreuma hypomelaenoides* Poengs. & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
618. *Leiorreuma sericeum* (Eschw.) Staiger, Biblioth. Lichenol. 85: 305 (2002)
Literature: Vainio 1909 as *Graphina sericea*; Wolseley et al., 2002 as *Phaeographis sericea*
619. *Lepidocollema brisbanense* (C. Knight) P.M. Jørg., in Ekman, Wedin, Lindblom & Jørgensen, Lichenologist 46: 650 (2014)
Literature: Wolseley and Aguirre-Hudson 1995, 1997a, 1997b; Boonpragob et al., 1998; Wolseley et al., 2002 as *Parmeliella brisbanensis*; Rangsiruji et al., 2016
620. *Lepidocollema marianum* (Fr.) P.M. Jørg., in Ekman, Wedin, Lindblom & Jørgensen, Lichenologist 46: 651 (2014)
Literature: Rangsiruji et al., 2016
621. *Lepidocollema papillatum* (P.M. Jørg.) P.M. Jørg., in Ekman, Wedin, Lindblom & Jørgensen, Lichenologist 46: 651 (2014)
Literature: Wolseley et al., 2002 as *Parmeliella papillata*
622. *Lepidocollema wainioi* (Zahlbr.) P.M. Jørg., in Ekman, Wedin, Lindblom & Jørgensen, Lichenologist 46: 651 (2014)
Literature: Rangsiruji et al., 2016
623. *Lepra amara* (Ach.) Hafellner in Hafellner & Türk, Stapfia 104: 171 (2016)
Literature: Wolseley and Aguirre-Hudson 1997a; Aptroot et al., 2007 as *Pertusaria amara*
624. *Lepra buloloensis* (A.W.Archer, Elix & Streimann) Schmitt & Lumbsch
Literature: Aptroot et al., 2007 as *Pertusaria bulolensis*
625. *Lepra patellifera* (A.W.Archer) Schmitt & Lumbsch
Literature: Aptroot et al., 2007 as *Pertusaria patellifera*
626. *Lepra subventosa* (Malme) Schmitt & Lumbsch
Literature: Aptroot et al., 2007 as *Pertusaria subventosa*
627. *Lepraria arbuscula* (Nyl.) Lendemer & B.P. Hodk., Mycologia 105: 1005 (2013)
Literature: Wolseley and Aguirre-Hudson 1995, 1997a; Boonpragob et al., 1998; Wolseley et al., 2002 as *Leprocaulon arbuscula*

628. *Lepraria aurescens* Orange & Wolseley, Lichenologist 37: 247 (2005)
Literature: Orange and Wolseley 2005
629. *Lepraria pulchra* Orange & Wolseley, Lichenologist 37: 249 (2005)
Literature: Orange and Wolseley 2005
630. *Leprocollema novacaledonicum* A.L.Sm., J. Linn. Soc., Bot. 46: 78 (1922)
Literature: Aptroot et al., 2007
631. *Leptogium asiaticum* P.M.Jørg., Herzogia 2: 466 (1973)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
632. *Leptogium austroamericanum* (Malme) C.W.Dodge, Ann. Missouri Bot. Gard. 20: 419 (1933)
Literature: Aptroot et al., 2007
633. *Leptogium azureum* (Ach.) Mont., in Webb & Berthelot, Hist. Nat. Iles Canaries (Phytogr.) 3: 129 (1840)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
634. *Leptogium burgessii* (L.) Mont., in Webb & Berthelot, Hist. Nat. Iles Canaries (Phytogr.) 3: 130 (1840)
Literature: Wolseley et al., 2002
635. *Leptogium caesium* (Ach.) Vain., Acta Soc. Fauna Fl. Fenn. 7: 225 (1890)
Literature: Vainio 1909; Wolseley et al., 2002
636. *Leptogium chloromelum* (Ach.) Nyl., Mém. Soc. Sci. Nat. Cherbourg 5: 333 (1857)
Literature: Paulson 1930; Wolseley et al., 2002
637. *Leptogium cochleatum* (Dicks.) P.M.Jørg. & P.James, Lichenologist 15: 113 (1983)
Literature: Paulson 1930 as *Leptogium tremelloides*; Wolseley et al., 2002; Rangsiruji et al., 2016
638. *Leptogium coralloideum* (Meyen & Flot.) Vain., Ann. Acad. Sci. Fenn., Ser. A, 6: 110 (1915) Literature: Vainio 1921 as *Parmelia coralloidea*; Wolseley et al., 2002
639. *Leptogium corticola* (Taylor) Tuck. in Lea, Cat. Pl. Cincinnati: 47 (1849)
Literature: Aptroot et al., 2007
640. *Leptogium cyanescens* (Rabenh.) Körb., Syst. Lich. Germ.: 420 (1855)
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b; Boonpragob et al., 1998; Wolseley et al., 2002; Papong et al., 2007; Rangsiruji et al., 2016
641. *Leptogium denticulatum* Nyl., Ann. Sci. Nat., Bot. 5: 302 (1867)
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
642. *Leptogium javanicum* (Mont. & Bosch) Mont., Syll. Gen. Sp. Crypt.: 379 (1856)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
643. *Leptogium marginellum* (Sw.) Gray, Nat. Arr. Brit. Pl. 1: 401 (1821)
Literature: Mongkolsuk et al., 1996; Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002

644. *Leptogium moluccanum* (Pers.) Vain., Acta Soc. Fauna Fl. Fenn. 7: 223 (1890)
Literature: Satô 1962; Vainio 1921; Wolseley et al., 2002
645. *Leptogium pedicellatum* P.M.Jørg., Herzogia 3: 448 (1975) [1973-4]
Literature: Aptroot et al., 2007
646. *Leptogium phyllocarpum* (Pers.) Mont., Ann. Sci. Nat., Bot. 10: 134 (1848)
Literature: Aptroot et al., 2007
647. *Leptogium resupinans* Nyl., Ann. Sci. Nat., Bot. 15: 368 (1861)
Literature: Wolseley et al., 2002
648. *Leptogium trichophorum* Müll.Arg. Flora 72: 505 (1889)
Literature: Vainio 1921; Wolseley et al., 2002
649. *Letrouitia corallina* (Müll.Arg.) Hafellner, Nova Hedwigia 35: 669 (1983) [1981]
Literature: Aptroot et al., 2007
650. *Letrouitia domingensis* (Pers.) Hafellner & Bellem., Nova Hedwigia 35: 281 (1982) [1981]
Literature: Wolseley and Aguirre-Hudson 1997b; Boonpragob et al., 1998; Wolseley et al., 1994; 2002; Schumm and Aptroot 2012
651. *Letrouitia flavocrocea* (Nyl.) Hafellner & Bellem., Nova Hedwigia 35: 281 (1982) [1981]
Literature: Wolseley et al., 1994; 2002
652. *Letrouitia leprolyta* (Nyl.) Hafellner, Nova Hedwigia 35: 693 (1983) [1981]
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b; Wolseley et al., 2002
653. *Letrouitia subvulpina* (Nyl.) Hafellner, Nova Hedwigia 35: 705 (1983) [1981]
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b; Boonpragob et al., 1998; Wolseley et al., 1994; 2002
654. *Letrouitia transgressa* (Malme) Hafellner & Bellem., Nova Hedwigia 35: 710 (1983)
Literature: Wolseley et al., 1994; 2002
655. *Letrouitia vulpina* (Tuck.) Hafellner & Bellem., Nova Hedwigia 35: 281 (1982) [1981]
Literature: Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 1994; 2002
656. *Leucodecton anamalaiense* (Patw. & C.R.Kulk.) Rivas Plata & Lucking, in Rivas Plata et al., Lichenologist 42: 184 (2010)
Literature: Papong et al., 2014
657. *Leucodecton compunctellum* (Nyl.) Frisch, Biblioth. Lichenol. 92: 155 (2006)
Literature: Schumm and Aptroot 2012; Parnmen et al., 2012
658. *Leucodecton compunctum* (Ach.) A.Massal., Atti Ist. Veneto Sci. Lett. Arti 5: 325 (1860) [1859-1860]
Literature: Wolseley et al., 2002 as *Myriotrema compunctum*
659. *Leucodecton confusum* Papong, Lumbsch, Lucking in Papong et al., Phytotaxa 189: 233 (2014)
Literature: Papong et al., 2014
660. *Leucodecton fissurinum* (Hale) Frisch, Biblioth. Lichenol. 92: 156 (2006)
Literature: Boonpragob et al., 1998 and Wolseley et al., 2002 as *Myriotrema decorticatum* and *Myriotrema fissurinum*

661. *Leucodecton glaucescens* (Nyl.) Frisch, Biblioth. Lichenol. 92: 162 (2006)
Literature: Wolseley et al., 2002 as *Myriotrema glaucescens*
662. *Leucodecton phaeosporum* (Nyl.) Rivas Plata & Lücking, in Rivas Plata et al., Lichenologist 42: 184 (2010)
Literature: Paulson 1930 as *Leptotrema phaeosporum*; Wolseley et al., 2002 as *Myriotrema phaeosporum*
663. *Leucodermia borphyllidiata* Kalb & Meesim, Phytotaxa 235:1-66 (2015)
Literature: Mongkolsuk et al., 2015
664. *Leucodermia boryi* (Fée) Kalb, Phytotaxa 235:1-66 (2015)
Literature: Satô 1962 as *Anaptychia neoleucomelaena*; Mongkolsuk et al., 2015
665. *Leucodermia leucomelos* (L.) Kalb, Phytotaxa 235:1-66 (2015)
Literature: Vainio 1921 as *Anaptychia leucomelaena*; Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Heterodermia leucomelos*
666. *Lithothelium obtectum* (Müll.Arg.) Aptroot, Biblioth. Lichenol. 44: 62 (1991)
Literature: Aptroot et al., 2007
667. *Lithothelium quadrisporum* Aptroot, Lichenologist 38: 543 (2006)
Literature: Aptroot 2006
668. *Lobaria japonica* (Zahlbr.) Asahina, Jap. J. Bot. 9: 450 (1933)
Literature: Aptroot et al., 2007
669. *Lobaria pseudopulmonaria* Gyeln., Acta Fauna. Fl. Universali, ser 2, Bot.: 6 (1933)
Literature: Yoshimura 1978; Wolseley et al., 2002
670. *Lobaria retigera* (Bory) Trevis., Philipp. J. Sci. 8: 129 (1913)
Literature: Satô 1962; Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002
671. *Lobaria retigera* var. *subisidiosa* (Asahina) Yoshim., Misc. Bryol. Lichenol. 6: 135 (1974)
Literature: Yoshimura 1978
672. *Lobariella isidiosa* Moncada & Lücking, Lichenologist 45: 203-263 (2013)
Literature: Satô 1962; Wolseley et al., 2002 as *Lobaria isidiosa*
673. *Lopezaria isidiza* (Makhija & Nagarkar) Aptroot & Sipman, in Aptroot et al., Fungal Diversity 24: 110 (2007)
Literature: Aptroot et al., 2007
674. *Lopezaria versicolor* (Flot.) Kalb & Hafellner, in Kalb, Lichenes Neotropici, Fascicle 11: 464 (1990)
Literature: Aptroot et al., 2007
675. *Loxospora lecanoriformis* Lumbsch, A.W.Archer & Elix, Lichenologist 39: 514 (2007)
Literature: Papong et al., 2009a
676. *Malmidea aurigera* (Fée) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 153 (2011)
Literature: Aptroot et al., 2007; Kalb et al., 2011

677. *Malmidea bakeri* (Vain.) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 154 (2011)
Literature: Kalb et al., 2011; Schumm and Aptroot 2012
678. *Malmidea ceylanica* (Zahlbr.) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 164 (2011)
Literature: Schumm and Aptroot 2012
679. *Malmidea chrysostigma* (Vain.) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 155 (2011)
Literature: Kalb et al., 2011
680. *Malmidea coralliformis* Kalb, in Kalb et al., Biblioth. Lichenol. 106: 157 (2011)
Literature: Kalb et al., 2011
681. *Malmidea duplomarginata* (Papong & Kalb) Kalb & Papong, in Kalb et al., Biblioth. Lichenol. 106: 165 (2011)
Literature: Kalb et al., 2009b as *Malcolmiella duplomarginata*
682. *Malmidea eeuuae* Kalb, in Kalb et al., Biblioth. Lichenol. 106: 158 (2011)
Literature: Kalb et al., 2011
683. *Malmidea granifera* (Ach.) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 165 (2011)
Literature: Aptroot et al., 2007 as *Malcolmiella granifera*
684. *Malmidea inflata* Kalb, in Kalb et al., Biblioth. Lichenol. 106: 159 (2011)
Literature: Kalb et al., 2011
685. *Malmidea perplexa* Kalb, in Kalb et al., Biblioth. Lichenol. 106: 160 (2011)
Literature: Kalb et al., 2011
686. *Malmidea piae* (Kalb) Kalb Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 161 (2011)
Literature: Kalb et al., 2009b as *Malcolmiella piae*
687. *Malmidea subaurigera* (Vain.) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 161 (2011)
Literature: Kalb et al., 2011
688. *Malmidea subgranifera* (Kalb & Elix) Kalb & Elix, in Kalb et al., Biblioth. Lichenol. 106: 166 (2011)
Literature: Schumm and Aptroot 2012
689. *Malmidea tratiana* Kalb & Mongkolsuk, in Kalb et al., Phytotaxa 42: 44 (2012)
Literature: Kalb et al., 2012; Schumm and Aptroot 2012
690. *Malmidea variabilis* Kalb, in Kalb et al., Biblioth. Lichenol. 106: 162 (2011)
Literature: Kalb et al., 2011
691. *Malmidea vinosa* (Eschw.) Kalb, Rivas Plata & Lumbsch, in Kalb et al., Biblioth. Lichenol. 106: 166 (2011)
Literature: Aptroot et al., 2007 as *Malcolmiella vinosa*
692. *Marcelaria benguelensis* (Müll.Arg.) Aptroot, Nelsen & Parnmen, Glalia 5: 4 (2013)
Literature: Boonpragob et al., 1998; Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 2002 as *Laurera benguelensis*; Schumm and Aptroot 2012 as *Laurera subbenguelensis*; Aptroot and Lücking 2016

693. *Maronea constans* (Nyl.) Hepp, Flechten Eur.: 771 (1860)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
694. *Maronina corallifera* (Kantvilas & Papong) Divakar, Crespo & Lumbsch, Fungal Diversity. <https://doi.org/10.1007/s13225-017-0379-z> (2017)
Literature: Papong et al., 2011b as *Maronina orientalis* var. *corallifera*; Kantvilas et al., 2010 as *Protoparmelia corallifera*
695. *Maronina isidiata* (Diederich, Aptroot & Sérus.) Divakar, Crespo & Lumbsch, Fungal Diversity. <https://doi.org/10.1007/s13225-017-0379-z> (2017)
Literature: Aptroot et al., 2007 as *Protoparmelia isidiata*
696. *Maronina orientalis* Kantvilas & Papong, Lichenologist 42: 557 (2010)
Literature: Papong et al., 2011b; Kantvilas et al., 2010 as *Protoparmelia orientalis*
697. *Maronina pulchra* (Diederich, Aptroot & Sérus.) Divakar, Crespo & Lumbsch, Fungal Diversity. <https://doi.org/10.1007/s13225-017-0379-z> (2017)
Literature: Aptroot et al., 2007 as *Protoparmelia pulchra*
698. *Mazosia dispersa* (J.Hedrick) R.Sant., Symb. Bot. Upsal. 12: 120 (1952)
Literature: Papong et al., 2007
699. *Mazosia melanophthalma* (Müll.Arg.) R.Sant., Symb. Bot. Upsal. 12: 117 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
700. *Mazosia paupercula* (Müll.Arg.) R.Sant., Symb. Bot. Upsal. 12: 128 (1952)
Literature: Papong et al., 2007
701. *Mazosia phyllosema* (Nyl.) Zahlbr., Cat. Lich. Univ. 2: 503 (1923)
Literature: Aptroot et al., 2007; Papong et al., 2007
702. *Mazosia pseudobambusae* Kalb & Vězda, Folia Geobot. Phytotax. 23: 207 (1988)
Literature: Papong et al., 2007
703. *Mazosia rotula* (Mont.) A.Massal., Neagen. Lich.: 9 (1854)
Literature: Papong et al., 2007
704. *Megalaria laureri* (Hepp ex Th.Fr.) Hafellner, The lichens of Italy. An annotated catalogue: 429 (1993)
Literature: Aptroot et al., 2007
705. *Megalospora bicolorata* (Vain.) Zahlbr., Cat. Lich. Univ. 4: 87 (1926) [1927]
Literature: Vainio 1921 as *Catillaria bicolorata*; Wolseley et al., 2002
706. *Megalospora coccodes* (Bél.) Sipman, Biblioth. Lichenol. 18: 132 (1983)
Literature: Aptroot et al., 2007
707. *Megalospora sulphurata* Meyen, in Meyen & Flot., Nova Acta Acad. Caes. Leop.-Carol. German. Nat. Cur. 19: 228 (1843)
Literature: Wolseley and Aguirre-Hudson 1997b; Wolseley et al., 2002
708. *Megalospora tuberculosa* (Fée) Sipman, Biblioth. Lichenol. 18: 156 (1983)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
709. *Megalotremis biocellata* Aptroot, Biblioth. Lichenol. 44: 125 (1991)
Literature: Aptroot et al., 2007; 2008

710. *Megalotremis pustulata* Aptroot, in Aptroot et al., Biblioth. Lichenol. 64: 103 (1997)
Literature: Aptroot et al., 2007
711. *Melanotrema lirelliforme* (Tuck.) Frisch, in Frisch & Kalb, Biblioth. Lichenol. 92: 390 (2006)
Literature: Aptroot et al., 2007 as *Ocellularia lirelliformis*
712. *Melanotrema meiospermum* (Nyl.) Frisch, in Frisch & Kalb, Biblioth. Lichenol. 92: 394 (2006)
Literature: Wolseley et al., 2002 as *Ocellularia meiosperma*; Sutjaritturakan and Kalb 2015
713. *Melanotrema melanophthalmum* (Homchant. & Coppins) Papong & Lumbsch, in Papong et al., Lichenologist 42: 135 (2010)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010 as *Ocellularia melanophthalma*
714. *Melanotrema platystomum* (Mont.) Frisch, in Frisch & Kalb, Biblioth. Lichenol. 92: 397 (2006)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Ocellularia concolor*; Sutjaritturakan and Kalb 2015
715. *Menegazzia terebrata* (Hoffm.) A.Massal., Neagen. Lich.: 1 (1854)
Literature: Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002; Louwhoff et al., 2012
716. *Microtheliopsis uleana* Müll.Arg., Flora 73: 195 (1890)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
717. *Milospium planorbis* Aptroot & Sipman, J. Hattori Bot. Lab. 91: 331 (2001)
Literature: Aptroot et al., 2007
718. *Mycoporum compositum* (A.Massal.) R.C.Harris, in Egan, Bryologist 90: 164 (1987)
Literature: Aptroot et al., 2007
719. *Myelochroa aurulenta* (Tuck.) Elix & Hale, Mycotaxon 29: 240 (1987)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
720. *Myelochroa entotheiochroa* (Hue) Elix & Hale, Mycotaxon 29: 240 (1987)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
721. *Myelochroa irrigans* (Nyl.) Elix & Hale, Mycotaxon 29: 241 (1987)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
722. *Myelochroa perisidians* (Nyl.) Elix & Hale, Mycotaxon 29: 241 (1987)
Literature: Hale 1976b as *Parmelina perisidians*; Moon et al., 2000a; Wolseley et al., 2002
723. *Myelochroa siamea* Kurok., J. Jap. Bot. 73: 13 (1998)
Literature: Kurokawa 1998; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
724. *Myelochroa subaurulenta* (Nyl.) Elix & Hale, Mycotaxon 29: 241 (1987)
Literature: Louwhoff et al., 2012

725. *Myelochroa xantholepis* (Mont. & Bosch) Elix & Hale, Mycotaxon 29: 241 (1987)
Literature: Hale 1976b as *Parmelina xantholepis*; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
726. *Myeloconis erumpens* P.M.McCarthy & Elix, Lichenologist 28: 406 (1996)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Aptroot et al., 2007
727. *Myriotrema clandestinum* (Fée) Hale, Mycotaxon 11: 133 (1980)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Myriotrema ter-bratulum*
728. *Myriotrema fluorescens* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 281 (1981)
Literature: Aptroot et al., 2007
729. *Myriotrema microporum* (Mont.) Hale, Mycotaxon 11: 134 (1980).
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
730. *Myriotrema minutum* (Hale) Hale, Mycotaxon 11: 134 (1980)
Literature: Wolseley et al., 2002
731. *Myriotrema olivaceum* Fée, Essai Crypt. Écorc. (Paris): 92 (1825) [1824]
Literature: Kraichak et al. 2014; Wolseley et al., 2002
732. *Myriotrema polytretum* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 291 (1981)
Literature: Wolseley et al., 2002
733. *Myriotrema rugiferum* (Harm.) Hale, Mycotaxon 11: 135 (1980)
Literature: Wolseley et al., 2002
734. *Myriotrema subconforme* (Nyl.) Hale, Mycotaxon 11: 135 (1980)
Literature: Wolseley et al., 2002
735. *Myriotrema viride* Nagarkar & Hale, Mycotaxon 35: 440 (1989)
Literature: Wolseley et al., 2002
736. *Nadvornikia expallescens* (Nyl.) I. Medeiros, Lücking & Lumbsch, Fieldiana 9: 18 (2017)
Literature: Boonpragob et al., 1998 and Wolseley et al., 2002 as *Thelotrema expallescens*
737. *Nadvornikia hawaiiensis* (Tuck.) Tibell, Beih. Nova Hedwigia 79: 672 (1984)
Literature: Aptroot et al., 2007
738. *Nephroma helveticum* Ach., Lichenogr. Universalis: 523 (1810)
Literature: Wolseley and Aguirre-Hudson 1995 and 1997a as *Nephroma tropicum*; Wolseley et al., 2002
739. *Nephromopsis pallascens* (Taylor) Kurok., Mem. Natl. Sci. Mus. (Tokyo) 13: 140 (1980)
Literature: Vainio 1921 as *Cetraria wallichiana*; Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002 as *Cetrariopsis wallichiana*; Louwhoff et al., 2012
740. *Nephromopsis stracheyi* (C.Bab.) Müll.Arg., Flora 74: 374 (1891)
Literature: Wolseley and Aguirre-Hudson 1995 as *Nephromopsis ornata*; Wolseley et al., 2002

741. *Nephromopsis thailandica* (Elix & M.J. Lai) Divakar, Crespo & Lumbsch, Fungal Diversity. <https://doi.org/10.1007/s13225-017-0379-z> (2017)
Literature: Lai and Elix 2002; Louwhoff et al., 2012 as *Cetrellopsis thailandica*
742. *Nigrovothelium tropicum* (Ach.) Lücking, M.P. Nelsen & Aptroot, in Lücking et al., Lichenologist 48: 757 (2016)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Schumm and Aptroot 2012 as *Trypethelium tropicum*; Aptroot and Lücking 2016
743. *Nitidochapsa leprieurii* (Mont.) Parnmen, Lücking & Lumbsch, Bryologist 116: 127-133 (2013)
Literature: Wolseley et al., 2002 as *Thelotrema leprieurii*; Kraichak et al. 2014; Lumbsch et al., 2014; Poengsungnoen et al., 2014b; Lücking et al., 2015
744. *Nitidochapsa siamensis* Poengs., Lücking & Lumbsch, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
745. *Normandina pulchella* (Borrer) Nyl., Ann. Sci. Nat., Bot. 15: 382 (1861)
Literature: Boonpragob et al., 1998; Wolseley and Aguirre-Hudson 1995; 1997a; Wolseley et al., 2002
746. *Ocellularia albocincta* (Hale) Divakar & Mangold, in Papong et al., Lichenologist 42: 135 (2010)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Myriotrema albocinctum*; Kraichak et al., 2014
747. *Ocellularia albomaculata* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 300 (1981)
Literature: Wolseley et al., 2002
748. *Ocellularia allosporoides* (Nyl.) Patw. & C.R.Kulk., Kavaka 5: 5 (1977)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Ocellularia groenhartii*; Parnmen et al., 2012; Kraichak et al., 2014; Lumbsch et al., 2014; Poengsungnoen et al., 2014a Lücking et al., 2015
749. *Ocellularia arecae* (Vain.) Hale, Mycotaxon 11: 136 (1980)
Literature: Vainio 1909 as *Thelotrema arecae*; Wolseley et al., 2002
750. *Ocellularia ascidioidea* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 300 (1981)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
751. *Ocellularia bahiana* (Ach.) Frisch, in Frisch & Kalb, Biblioth. Lichenol. 92: 503 (2006)
Literature: Wolseley et al., 2002 as *Myriotrema bahianum*
752. *Ocellularia brunneospora* Homchant. & Coppins, Lichenologist 34: 119 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Papong et al., 2010
753. *Ocellularia cerebriformis* Papong, Lücking & Lumbsch in Papong et al., Phytotaxa 189: 234 (2014)
Literature: Papong et al., 2014
754. *Ocellularia chonestoma* (Leight.) Zahlbr., Cat. Lich. Univ. 2: 586 (1923) [1924]
Literature: Wolseley et al., 2002

755. *Ocellularia confundita* Sutjaritt. & Kalb, Herzogia 28: 545–555 (2015)
Literature: Sutjaritturakan and Kalb 2015
756. *Ocellularia diacida* Hale, Mycotaxon 7: 378 (1978)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
757. *Ocellularia diospyrosis* Homchantara & Coppins, Lichenologist 34: 123 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
758. *Ocellularia dolichotata* (Nyl.) Zahlbr., Cat. Lich. Univ. 2: 589 (1923)
Literature: Vainio 1909 as *Thelotrema siamense*; Boonpragob et al., 1998; Wolseley et al., 2002; Kraichak et al. 2014; Lumbsch et al., 2014; Poengsungnoen et al., 2014a; Lücking et al., 2015
759. *Ocellularia elixii* Sutjaritt. & Kalb, Herzogia 28: 545–555 (2015)
Literature: Sutjaritturakan and Kalb 2015
760. *Ocellularia eumorpha* (Stirt.) Hale, Mycotaxon 11: 136 (1980)
Literature: Wolseley et al., 2002
761. *Ocellularia exigua* Müll.Arg., Hedwigia 31: 284 (1892)
Literature: Lücking et al., 2015; Kraichak et al. 2014
762. *Ocellularia exuta* Hale, Bull. Br. Mus. nat. Hist., Bot. 8(3): 305 (1981)
Literature: Mongkolsuk et al., 2013
763. *Ocellularia fumosa* (Ach.) Müll.Arg., Mém. Soc. Phys. Genève 29: 7 (1887)
Literature: Kraichak et al. 2014; Papong et al., 2014; Mongkolsuk et al., 2013
764. *Ocellularia flavescens* Homchant. & Coppins, Lichenologist 34: 123 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
765. *Ocellularia garoana* Patw. & Nagarkar, Biovigyanam 6: 7 (1980)
Literature: Sutjaritturakan and Kalb 2015
766. *Ocellularia granulifera* (Kremp.) Müll.Arg., Hedwigia 31: 284 (1892)
Literature: Papong et al., 2014
767. *Ocellularia guptei* (Nagarkar, Sethy & Patw.) D.D.Awasthi, Biblioth. Lichenol. 40: 3 (1991)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
768. *Ocellularia interposita* (Nyl.) Hale, Mycotaxon 11: 137 (1980)
Literature: Lücking et al., 2015; Kraichak et al. 2014; Lumbsch et al., 2014; Poengsungnoen et al., 2014a
769. *Ocellularia inthanonensis* Homchant. & Coppins, Lichenologist 34: 123 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
770. *Ocellularia khuntanensis* (Homchant. & Coppins) Lumbsch & Papong, in Papong et al., Lichenologist 42: 132 (2010)
Literature: Yoshimura 1978 as *Myriotrema khuntanense*; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010

771. *Ocellularia klinhomii* Naksuwankul, Lücking & Lumbsch, MycoKeys 17: 55 (2016)
Literature: Naksuwankul et al., 2016
772. *Ocellularia kohphangangensis* Papong, Mangold & Lücking, in Papong et al., Phytotaxa 189: 235 (2014)
Literature: Papong et al., 2014
773. *Ocellularia krathingensis* Homchant. & Coppins, Lichenologist 34: 125 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010; Naksuwankul et al., 2016
774. *Ocellularia massalongoi* (Mont.) Hale, Mycotaxon 11: 137 (1980)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
775. *Ocellularia microascidium* (Vain.) Zahlbr., Cat. Lich. Univ. 2: 595 (1923) [1924]
Literature: Vainio 1909; Alava 1988 and Wolseley et al., 2002 all as *Thelotrema microascidium*
776. *Ocellularia microstoma* (Müll.Arg.) Hale, in Mangold et al., Flora of Australia 57: 653–659 (2009)
Literature: Yoshimura 1978 as *Ocellularia peremergens*; Wolseley et al., 2002 as *Myriotrema microstomum*; Homchantara and Coppins 2002 as *Ocellularia kansriai*; Papong et al., 2010
777. *Ocellularia neoleucina* Homchant. & Coppins, Lichenologist 34: 126 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
778. *Ocellularia neopertusariiiformis* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 315 (1981)
Literature: Wolseley et al., 2002
779. *Ocellularia nylanderiana* Hale, Phytologia 26: 414 (1973)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
780. *Ocellularia palianensis* Sutjaritt. & Kalb, Phytotaxa 189: 322 (2014)
Literature: Sutjaritturakan and Kalb 2014
781. *Ocellularia papillata* (Leight) Zahlbr., Cat. Lich. Univ. 2: 597 (1923)
Literature: Yoshimura 1978 and Homchantara and Coppins 2002 as *Myriotrema rongklaense*; Boonpragob et al., 1998; Wolseley et al., 2002; Papong et al., 2010
782. *Ocellularia perforata* (Leight.) Müll.Arg., Hedwigia 31: 284 (1892)
Literature: Yoshimura 1978 as *Myriotrema subminutum*; Homchantara and Coppins 2002 and Wolseley et al., 2002 as *Myriotrema khaoyaianum*; Boonpragob et al., 1998; Papong et al., 2010
783. *Ocellularia phatamensis* Naksuwankul, Parnmen & Lumbsch, MycoKeys 17: 56 (2016)
Literature: Naksuwankul et al., 2016
784. *Ocellularia poschlodiana* Sutjaritt. & Kalb, Herzogia 28: 545–555 (2015)
Literature: Sutjaritturakan and Kalb 2015

785. *Ocellularia pertusariiformis* (Leight.) Zahlbr., Cat. Lich. Univ. 2: 598 (1923) [1924]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
786. *Ocellularia pluripora* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 319 (1981)
Literature: Wolseley et al., 2002
787. *Ocellularia pluriporoides* Homchant. & Coppins, Lichenologist 34: 127 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002 Papong et al., 2010
788. *Ocellularia pseudopapillata* Papong, Mangold & Lücking, Papong et al., Phytotaxa 198: 236 (2014)
Literature: Papong et al., 2014
789. *Ocellularia punctulata* (Leight) Zahlbr. Cat. Lich. Univ. 2: 599 (1923)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Schumm and Aptroot 2012
790. *Ocellularia rhicnoporoides* Homchant. & Coppins, Lichenologist 34: 128 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002 Papong et al., 2010; Lumbsch et al., 2014; Poengsungnoen et al., 2014a; Kraichak et al., 2014
791. *Ocellularia rotundifumosa* Naksukankul, Lücking & Lumbsch, MycoKeys 17: 57 (2016)
Literature: Nakswankul et al., 2016
792. *Ocellularia salazinica* Papong, Mangold & Lücking in Papong et al., Phytotaxa 198: 238 (2014)
Literature: Papong et al., 2014
793. *Ocellularia sticticans* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 323 (1981)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
794. *Ocellularia subdolichotata* Papong, Mangold & Lumbsch in Papong et al., Phytotaxa 198: 239 (2014)
Literature: Papong et al., 2014
795. *Ocellularia subgranulosa* (Homchant. & Coppins) Lumbsch & Papong, in Papong et al., Lichenologist 42: 133 (2010)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002 as *Myriotrema subgranulosum*; Papong et al., 2010
796. *Ocellularia subleucina* Homchant. & Coppins, Lichenologist 34: 129 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
797. *Ocellularia terebrata* (Ach.) Müll.Arg., Flora, Regensburg 70: 398 (1887)
Literature: Mongkolsuk et al., 2013
798. *Ocellularia thailandica* Nakswankul, Kraichak & Lumbsch, MycoKeys 17: 58 (2016)
Literature: Nakswankul et al., 2016

799. *Ocellularia thelotremoides* (Leight.) Zahlbr. Cat. Lich. Univ. 2: 603 (1923)
Literature: Yoshimura 1978; Homchantara and Coppins 2002 as *Myriotrema thailandicum*; Aptroot et al., 2007; Papong et al., 2010; Kraichak et al. 2014
800. *Ocellularia urceolaris* Ach., Syst. Orb. Veg. (Lundae) 4: 242 (1827)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Ocellularia leucina*
801. *Ocellularia violacea* Räsänen, Suom. Elain-ja Kasvit. Seuran Van. Tiedon. Pöytäkirjat 3: 184 (1949)
Literature: Papong et al., 2014
802. *Ocellularia viridipallens* Müll.Arg., Flora, Regensburg 70: 397 (1887)
Literature: Kraichak et al., 2014; Papong et al., 2014
803. *Ocellularia wolseleyana* Homchant. & Coppings, Lichenologist 34: 133-140 (2010)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
804. *Ocellularia xanthostromiza* (Nyl.) Zahlbr., Cat. Lich. Univers. 2: 604 (1923)
Literature: Kraichak et al., 2014
805. *Ocellularia zamboangensis* (Vain.) Zahlbr., Cat. Lich. Univers. 2: 604 (1923) [1924]
Literature: Kraichak et al., 2014
806. *Ochrolechia africana* Vain., Ann. Univ. Fenn. Åbo., A 2: 3 (1926)
Literature: Aptroot et al., 2007
807. *Opegrapha apomelaenna* A. Massal., Verh. K. K. Zool.-Bot. Ges. Wien 21:864 (1871)
Literature: Ertz 2009
808. *Opegrapha astraea* Tuck. Lich. Calif.: 33 (1866)
Literature: Ertz 2009
809. *Opegrapha dekeselii* Ertz, Biblioth. Lichenol. 102: 49 (2009)
Literature: Ertz 2009; Schumm and Aptroot 2012
810. *Opegrapha gyrocarpa* Flot., Flora 8: 345 (1825)
Literature: Aptroot et al., 2007
811. *Opegrapha herbarum* Mont. Arch. Bot. Guillemmin 2: 302 (1833)
Literature: Ertz 2009
812. *Opegrapha lambinonii* Sérus., Lejeunia 90: 2 (1978)
Literature: Wolseley et al., 2002
813. *Opegrapha prosodea* Ach., Methodus (Acharius): 22 (1803)
Literature: Paulson 1930; Wolseley et al., 2002
814. *Opegrapha robusta* Vain., Bot. Tidsskr. 29: 137 (1909)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002
815. *Opegrapha subvulgata* Nyl., Flora 52: 71 (1869)
Literature: Vainio 1909; Wolseley et al., 2002
816. *Opegrapha vegae* R.Sant., Symb. Bot. Upsal. 12: 99 (1952)
Literature: Papong et al., 2007

817. *Opegrapha velata* Vain., Cat. Afr. Pl. 2: 444 (1901)
Literature: Papong et al., 2007
818. *Opegrapha viridis* (Ach.) Behlen & Desberger, Naturgesch. und Beschreib. Deutsch. Forst.-Kryptog.: 110 (1835)
Literature: Ertz 2009
819. *Opegrapha viridistellata* Sérus., Lücking & Sparrius, Mycotaxon 104: 223 (2008)
Literature: Schumm and Aptroot 2012
820. *Pallidogramme chlorocarpoides* (Nyl.) Staiger, Kalb & Lücking, in Lücking et al., Fieldiana, Bot. 38: 9 (2008)
Literature: Vainio 1909; 1921 as *Graphis chlorocarpoides*; Wolseley et al., 2002 as *Phaeographina chlorocarpoides*; Poengsungnoen et al., 2010 as *Hemithecium chlorocarpoides*
821. *Pallidogramme chrysenteron* (Mont.) Staiger, Kalb & Lücking, in Lücking, Chaves, Sipman, Umaña & Aptroot, Fieldiana, Bot. 38(no. 1549): 9 (2008)
Literature: Wolseley et al., 2002 as *Phaeographina chrysenteron*; Paulson 1930 as *Phaeographina chrysentera*; Poengsungnoen et al., 2010 as *Hemithecium chrysenteron*; Mongkolsuk et al., 2013
822. *Pannaria dispartita* (Nyl.) Vain., Suom. Elain-ja Kasvit. Seuran Van. Julk. 1: 45 (1921).
Literature: Vainio 1921; Wolseley et al., 2002
823. *Parainoa subconcolor* (Anzi) Resl & T. Sprib., in Resl et al., Fung. Div. 73: 254 (2015)
Literature: Aptroot et al., 2007 as *Trapelia subconcolor*
824. *Parmelinella chozoubae* (Kr.P.Singh & G.P.Sinha) Elix & Pooprang, Mycotaxon 71: 115 (1998)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012
825. *Parmelinella salacinifera* (Hale) Marcelli & Benatti, in Benatti, Mycosphere 5: 780 (2014)
Literature: Hale 1976c as *Pseudoparmelia salacinifera*; Wolseley and Aguirre-Hudson 1995; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012 as *Canoparmelia salacinifera*
826. *Parmelinella simplicior* (Hale) Elix & Hale, Mycotaxon 29: 242 (1987)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
827. *Parmelinella wallichiana* (Taylor) Elix & Hale, Mycotaxon 29: 242 (1987)
Literature: Hale 1976b as *Parmelina wallichiana*; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Wolseley and Aguirre-Hudson 1995, 1997a, 1997b; Louwhoff et al., 2012
828. *Parmeliopsis ambigua* (Wulfen) Nyl., Syn. Meth. Lich. 2: 54 (1863)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
829. *Parmotrema abessinicum* (Nyl. ex Kremp.) Hale, Phytologia 28: 334 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012

830. *Parmotrema adpersum* (Vain.) Elix, Mycotaxon 81: 255 (2002)
Literature: Vainio 1909; Alava 1988 as *Parmelia adpersa*; Hale 1976c as *Pseudoparmelia adpersa*; Wolseley et al., 2002 as *Canoparmelia adpersa*
831. *Parmotrema amaniense* (J.Steiner & Zahlbr.) Krog & Swinscow, Lichenologist 15: 129 (1983)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
832. *Parmotrema andinum* (Müll.Arg.) Hale, Phytologia 28: 334 (1974)
Literature: Hale 1965a as *Parmelia andina*; Wolseley et al., 2002; Louwhoff et al., 2012
833. *Parmotrema austrosinense* (Zahlbr.) Hale, Phytologia 28: 335 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
834. *Parmotrema breviciliatum* (Hale) Hale, Phytologia 28: 335 (1974)
Literature: Hale 1965a as *Parmelia breviciliata*
835. *Parmotrema cetratum* (Ach.) Hale, Phytologia 28: 335 (1974)
Literature: Louwhoff et al., 2012
836. *Parmotrema cooperi* (J.Steiner & Zahlbr.) Sérus., Bryologist 87: 4 (1984)
Literature: Saipunkaew et al., 2007; Louwhoff et al., 2012
837. *Parmotrema corniculans* (Nyl.) Hale, Phytologia 28: 335 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
838. *Parmotrema crinitum* (Ach.) M.Choisy, Bull. Mens. Soc. Linn. Soc. Bot. Lyon 21: 175 (1952)
Literature: Mongkolsuk et al., 1996; Wolseley et al., 2002
839. *Parmotrema cristiferum* (Taylor) Hale, Phytologia 28: 335 (1974)
Literature: Hale 1965b as *Parmelia andina*; Vainio 1909 as *Parmelia latissima* var. *cristifera*; Boonpragob et al., 1998; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009b; Louwhoff et al., 2012
840. *Parmotrema dilatatum* (Vain.) Hale, Phytologia 28: 335 (1974)
Literature: Boonpragob et al., 1998; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
841. *Parmotrema dominicanum* (Vain.) Hale, Phytologia 28: 336 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
842. *Parmotrema elacinulatum* (Kurok.) Streimann, Biblioth. Lichenol. 22: 94 (1986)
Literature: Pooprang et al., 1999; Wolseley et al., 2002
843. *Parmotrema eunetum* (Stirt.) Hale, Phytologia 28: 336 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
844. *Parmotrema euplectinum* Elix, Noich. & Wolsaley, in Noicharoen et al., Mycotaxon 85: 326 (2003)
Literature: Noicharoen et al., 2003
845. *Parmotrema euryzacum* (Hue) Hale, Phytologia 28: 336 (1974)
Literature: Wolseley et al., 2002
846. *Parmotrema explanatum* (Hale) Hale, Phytologia 28:337 (1974)
Literature: Hale 1965b as *Parmelia explanata*; Moon et al., 2000a; Wolseley et al., 2002

847. *Parmotrema gardneri* (C.W.Dodge) Sérus., Bryologist 87:5 (1984)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002; Saipunkaew et al., 2007; Buaruang et al., 2009; Louwhoff et al., 2012
848. *Parmotrema hababianum* (Gyeln.) Hale, Phytologia 28: 336 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
849. *Parmotrema hypotropum* (Nyl.) Hale, Phytologia 28: 337 (1974)
Literature: Wolseley et al., 2002
850. *Parmotrema incrassatum* Hale ex DePriest & B.W.Hale, Mycotaxon 67: 207 (1998)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Saipunkaew et al., 2007; Louwhoff et al., 2012
851. *Parmotrema latissimum* (Fée) Hale, Phytologia 28: 337 (1974)
Literature: Louwhoff et al., 2012
852. *Parmotrema lobulascens* (J.Steiner) Hale, Phytologia 28: 337 (1974)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Louwhoff et al., 2012
853. *Parmotrema lophogenum* (Abbeyes) Hale, Phytologia 28: 337 (1974)
Literature: Mongkolsuk et al., 2013
854. *Parmotrema maclayanum* (Müll.Arg.) Hale, Phytologia 28: 337 (1974)
Literature: Buaruang et al., 2009; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
855. *Parmotrema mellissii* (C.W.Dodge) Hale, Phytologia 28: 337 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
856. *Parmotrema merrillii* (Vain.) Hale, Phytologia 28: 337 (1974)
Literature: Louwhoff et al., 2012
857. *Parmotrema nanfongense* (Kurok.) DePriest & B.W.Hale, Mycotaxon 67: 204 (1998)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
858. *Parmotrema nilgherrense* (Nyl.) Hale, Phytologia 28: 338 (1974)
Literature: Hale 1965a as *Parmelia nilgherrense*; Vainio 1921; Alava 1988 as *Parmelia siamensis*; Boonpragob et al., 1998; Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
859. *Parmotrema overeemii* (Zahlbr.) Elix, Australas. Lichenol. 43: 23 (1998)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
860. *Parmotrema pancheri* (Hue) Hale, Phytologia 28: 338 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
861. *Parmotrema perforatum* (Jacq.) A.Massal., Atti Inst. Veneto Sci. lett., ed Arti, Sér. 3 5: 248 (1860)
Literature: Mongkolsuk et al., 2013
862. *Parmotrema perlatum* (Huds.) M.Choisy, Bull. Mens. Soc. Linn. Soc. Bot. Lyon 21: 174 (1952)
Literature: Vainio 1909 as *Parmelia perlata*; Boonpragob et al., 1998 ; Wolseley et al., 2002 as *Parmotrema chinense*; Louwhoff et al., 2012

863. *Parmotrema permutatum* (Stirt.) Hale, Phytologia 28:338 (1974)
Literature: Hale 1965a as *Parmelia permutata*; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009b; Louwhoff et al., 2012
864. *Parmotrema planatilobatum* (Hale) Hale, Phytologia 28:338 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002
865. *Parmotrema platyphyllum* (Vain.) Elix, Australas. Lichenol. 42: 22-27 (1998)
Literature: Vainio 1909; Alava 1988 as *Parmelia platyphylla*; Moon et al., 2000a; Wolseley et al., 2002; Saipunkaew et al., 2007; Louwhoff et al., 2012
866. *Parmotrema poolii* (C.W.Dodge) Krog & Swinscow, Lichenologist 15: 130 (1983)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012
867. *Parmotrema praesorediosum* (Nyl.) Hale, Phytologia 28:338 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Saipunkaew et al., 2007; Buaruang et al., 2009; Louwhoff et al., 2012; Schumm and Aptroot 2012
868. *Parmotrema procerum* (J.Steiner & Zahlbr.) Hale, Phytologia 28: 338 (1974)
Literature: Hale 1965a as *Parmelia procera*; Boonpragob et al., 1998; Wolseley et al., 2002; Louwhoff et al., 2012
869. *Parmotrema pseudocrinitum* (Abbeyes) Hale, Phytologia 28:338 (1974)
Literature: Moon et al., 2000a; Buaruang et al., 2009
870. *Parmotrema pseudonilgherrense* (Asahina) Hale, Mycotaxon 5: 441 (1977)
Literature: Pooprang et al., 1999; Wolseley et al., 2002
871. *Parmotrema rampoddense* (Nyl.) Hale, Phytologia 28:338 (1974)
Literature: Mongkolsuk et al., 1996; Moon et al., 2000a; Wolseley et al., 2002; Saipunkaew et al., 2007; Buaruang et al., 2009; Louwhoff et al., 2012
872. *Parmotrema reticulatum* (Taylor) M.Choisy, Bull. Mens. Soc. Linn. Soc. Bot. Lyon 21: 148 (1952)
Literature: Satō 1962; Vainio 1921 as *Parmelia cetrata* var. *sorediifera*; Wolseley and Aguirre-Hudson 1995; 1997a; Moon et al., 2000a; Wolseley et al., 2002 as *Rimelia clavulifera* and *Rimelia reticulata*; Buaruang et al., 2009a; Buaruang et al., 2009b; Louwhoff et al., 2012; Mongkolsuk et al., 2013
873. *Parmotrema robustum* (Degel.) Hale, Phytologia 28: 338 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
874. *Parmotrema rubromarginatum* Elix & Pooprang, Mycotaxon 72:115 (1999)
Literature: Pooprang et al., 1999; Wolseley et al., 2002
875. *Parmotrema saccatilobum* (Taylor) Hale, Phytologia 28:339 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Saipunkaew et al., 2007; Schumm and Aptroot 2012; Louwhoff et al., 2012
876. *Parmotrema sancti-angelii* (Lynge) Hale, Phytologia 28:339 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012
877. *Parmotrema stuppeum* (Taylor) Hale, Phytologia 28: 339 (1974)
Literature: Vainio 1909 as *Parmelia perforata* v. *claudelii*; Moon et al., 2000a; Wolseley et al., 2002

878. *Parmotrema subarnoldii* (Abbeyes) Hale, Phytologia 28:339 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
879. *Parmotrema subcaperatum* (Kremp.) Hale, Phytologia 28: 339 (1974)
Literature: Louwhoff et al., 2012
880. *Parmotrema submarginale* (Michx.) DePriest & B.W.Hale, Mycotaxon 67: 208 (1998)
Literature: Mongkolsuk et al., 1996 as *Parmelia michauxianum*; Wolseley et al., 2002
881. *Parmotrema subsumptum* (Nyl.) Hale. Mycotaxon 5: 434 (1977)
Literature: Wolseley and Aguirre-Hudson 1995; Moon et al., 2000a; Wolseley et al., 2002 as *Canomaculina subsumpta*; Aptroot et al., 2007; Louwhoff et al., 2012
882. *Parmotrema subtinctorium* (Zahlbr.) Hale, Phytologia 28: 39 (1974)
Literature: Mongkolsuk et al., 1996, Pooprang et al., 1999; Wolseley et al., 2002 as *Canomaculina subtinctoria*
883. *Parmotrema sulphuratum* (Nees & Flot.) Hale, Phytologia 28:339 (1974)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
884. *Parmotrema thailandicum* Elix & Pooprang, in Pooprang et al., Mycotaxon 71: 117 (1999)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012
885. *Parmotrema thomsonii* (Stirt.) A.Crespo, Divakar & Elix, in Crespo et al., Taxon 59: 1746 (2010)
Literature: Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002 as *Parmelaria thomsonii*
886. *Parmotrema tinctorum* (Despr. ex Nyl.) Hale, Phytologia 28:339 (1974)
Literature: Paulson 1930; Satô 1962; Vainio 1921 as *Parmelia tinctorum*; Wolseley and Aguirre-Hudson 1997a; Moon et al., 2000a; Wolseley et al., 2002; Saipunkaew et al., 2007; Buaruang et al., 2009; Louwhoff et al., 2012; Schumm and Aptroot 2012; Mongkolsuk et al., 2013
887. *Parmotrema usambarense* (J.Steiner & Zahlbr.) Krog & Swinscow, Lichenologist 19: 424 (1987)
Literature: Hale 1976b; Moon et al., 2000a; Wolseley et al., 2002 as *Parmelina usambarensis*
888. *Parmotrema zollingeri* (Hepp) Hale, Phytologia 28:339 (1974)
Literature: Hale 1965a as *Parmelia zolingeri*; Moon et al., 2000a; Wolseley et al., 2002
889. *Peltigera pindarensis* D.D.Awasthi & M.Joshi, Kavaka 10: 58 (1982)
Literature: Aptroot et al., 2007
890. *Peltula corticola* Büdel & R. Sant., in Büdel, Biblioth. Lichenol. 23: 79 (1987)
Literature: Schumm and Aptroot 2012 as *Phyllopettula corticola*
891. *Peltula obscurans* (Nyl.) Gyeln., Feddes Repert. Spec. Nov. Regni Veg. 38: 308 (1935)
Literature: Aptroot et al., 2007

892. *Pertusaria alboaspera* var. *deficiens* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 85: 290 (2003)
Literature: Jariangprasert et al., 2003
893. *Pertusaria alboaspera* var. *disflavens* Jariangpr., Mycotaxon 96: 109 (2006)
Literature: Jariangprasert 2006
894. *Pertusaria alboaspera* var. *tetraspora* Jariangpr., Mycotaxon 91: 280 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
895. *Pertusaria allomicrostoma* Jariangpr., Telopea 12: 264 (2008)
Literature: Elix et al., 2008
896. *Pertusaria allothwaitesii* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 89: 124 (2004)
Literature: Jariangprasert et al., 2004
897. *Pertusaria archeri* Jariangpr., Mycotaxon 91: 281 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
898. *Pertusaria asiana* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1: 44 (1921)
Literature: Vainio 1921; Alava 1988; Wolseley et al., 2002
899. *Pertusaria bengalensis* Vain., Hedwigia 56: 169 (1907)
Literature: Vainio 1907, 1909; Alava 1988; Wolseley et al., 2002
900. *Pertusaria bokluensis* Jariangpr., Mycotaxon 91: 281 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
901. *Pertusaria cicatricosa* Müll.Arg., Proc. Roy. Soc. Edinburgh 11: 461 (1882)
Literature: Aptroot et al., 2007
902. *Pertusaria confluentica* Jariangpr. & Elix, Telopea 12: 265 (2008)
Literature: Elix et al., 2008
903. *Pertusaria elixii* Jariangpr., Mycotaxon 91: 282 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
904. *Pertusaria hylocola* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 85: 292 (2003)
Literature: Jariangprasert et al., 2003
905. *Pertusaria hypostictica* Jariangpr., Mycotaxon 91: 283 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
906. *Pertusaria inthanonensis* Jariangpr., Mycotaxon 91: 283 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
907. *Pertusaria isidiosa* A.W.Archer, Mycotaxon 41: 228 (1991)
Literature: Wolseley and Aguirre-Hudson 1997a
908. *Pertusaria kansriae* Jariangpr., Mycotaxon 91: 284 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
909. *Pertusaria kansriae* var. *stictica* Jariangpr., Mycotaxon 96: 110 (2006)
Literature: Jariangprasert 2006
910. *Pertusaria krabiensis* Jariangpr., Mycotaxon 91: 286 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005

911. *Pertusaria lansangensis* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 89: 125 (2004)
Literature: Jariangprasert et al., 2004
912. *Pertusaria litchicola* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 85: 292 (2003)
Literature: Jariangprasert et al., 2003
913. *Pertusaria loeiensis* Jariangpr., Mycotaxon 91: 286 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
914. *Pertusaria methylstenosporica* Jariangpr., Mycotaxon 96: 111 (2006)
Literature: Jariangprasert 2006
915. *Pertusaria microstoma* var. *isidiata* Jariangpr., Mycotaxon 96: 111 (2006)
Literature: Jariangprasert 2006
916. *Pertusaria montpittensis* A.W.Archer, in Elix et al., Proc. Linn. Soc. New South Wales 113: 65 (1992)
Literature: Schumm and Aptroot 2012
917. *Pertusaria nahaeensis* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 83: 355 (2002)
Literature: Jariangprasert et al., 2002
918. *Pertusaria nanensis* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 89: 126 (2004)
Literature: Jariangprasert et al., 2004
919. *Pertusaria neoknightiana* Jariangpr., Mycotaxon 96: 112 (2006)
Literature: Jariangprasert 2006
920. *Pertusaria omkoiensis* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 83: 355 (2002)
Literature: Jariangprasert et al., 2002
921. *Pertusaria orientalis* Jariangpr., Mycotaxon 96: 113 (2006)
Literature: Jariangprasert 2006
922. *Pertusaria parameeana* Jariangpr., Mycotaxon 96: 115 (2006)
Literature: Jariangprasert 2006
923. *Pertusaria pertusella* Müll.Arg., Flora 67: 283 (1884)
Literature: Aptroot et al., 2007
924. *Pertusaria phulhuangensis* Jariangpr., Mycotaxon 96: 116 (2006)
Literature: Jariangprasert 2006
925. *Pertusaria phusoidaoensis* Jariangpr., Telopea 12: 269 (2008)
Literature: Elix et al., 2008
926. *Pertusaria pilosula* var. *abditiva* Jariangpr., Mycotaxon 96: 117 (2006)
Literature: Jariangprasert 2006
927. *Pertusaria platycarpa* Jariangpr., Mycotaxon 96: 118 (2006)
Literature: Jariangprasert 2006
928. *Pertusaria pustulata* (Ach.) Duby, Bot. Gall. 2: 673 (1830)
Literature: Vainio 1909; Wolseley et al., 2002

929. *Pertusaria siamensis* Jariangpr., Mycotaxon 91: 287 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
930. *Pertusaria sphaerulifera* Vain., Hedwigia 46: 169 (1907)
Literature: Vainio 1909; Alava 1988
931. *Pertusaria subcopelandii* Jariangpr., Mycotaxon 96: 118 (2006)
Literature: Jariangprasert 2006
932. *Pertusaria subnegans* Vain., Hedwigia 46: 170 (1907)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002
933. *Pertusaria subplanaica* var. *stictica* Jariangpr., Mycotaxon 96: 120 (2006)
Literature: Jariangprasert 2006
934. *Pertusaria subplanaica* var. *tetraspora* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 85: 293 (2003)
Literature: Jariangprasert et al., 2003
935. *Pertusaria takensis* Jariangpr. & A.W.Archer, in Jariangprasert et al., Mycotaxon 89: 128 (2004)
Literature: Jariangprasert et al., 2004
936. *Pertusaria thailandica* Jariangpr., Mycotaxon 91: 288 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
937. *Pertusaria uttaraditensis* Jariangpr., Mycotaxon 91: 291 (2005)
Literature: Jariangprasert and Anusarnsunthorn 2005
938. *Phaeographis brasiliensis* (A.Massal.) Kalb & Matthes-Leicht, Biblioth. Lichenol. 78: 148 (2001)
Literature: Poengsungnoen et al., 2010
939. *Phaeographis caesiodiscoides* Mongkolsuk & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
940. *Phaeographis caesioradians* (Leight.) Kalb, Lich. Neotrop. 13: 13 (2001)
Literature: Mongkolsuk and Poengsungnoen 2012
941. *Phaeographis dendroides* (Leight.) Müll.Arg., Flora 65: 208. (1882)
Literature: Poengsungnoen et al., 2010
942. *Phaeographis exaltata* (Mont. & Bosch.) Müll.Arg., Flora 65: 336. (1882)
Literature: Vainio 1909 as *Graphis diversa*; Wolseley et al., 2002
943. *Phaeographis hypoglauca* (Kremp.) Zahlbr., Cat. Lich. Univ. 2: 374 (1923).
Literature: Vainio 1909 as *Graphis persimilis*; Pitakpong et al., 2015
944. *Phaeographis hypoglaucoideis* Kr.P.Singh & D.D.Awasthi, Bull. Bot. Surv. India 21: 109 (1981)
Literature: Lumbsch et al., 2014
945. *Phaeographis intricans* Kr.P.Singh & D.D.Awasthi, Bull. Bot. Surv. India 21: 109 (1981)
Literature: Aptroot et al., 2007; Poengsungnoen et al., 2010; Lumbsch et al., 2014
946. *Phaeographis kalbii* Staiger, Biblioth. Lichenol. 85: 332 (2002)
Literature: Aptroot et al., 2007

947. *Phaeographis loeiensis* Boonpragob, Manoch & Poengs., Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
948. *Phaeographis leiogrammodes* (Kremp.) Müll.Arg., Nuovo Giorn. Bot. Ital. 23: 397 (1891)
Literature: Aptroot et al., 2007
949. *Phaeographis nardiensis* A.W.Archer, Telopea 9: 674 (2001)
Literature: Poengsungnoen et al., 2010
950. *Phaeographis neotricosoides* Poengs. & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
951. *Phaeographis nylanderii* (Vain.) Zahlbr., Cat. Lich. Univ. 2: 382 (1923) [1924]
Literature: Vainio 1909 as *Graphina nylanderii*; Wolseley et al., 2002
952. *Phaeographis phurueaensis* Poengs. & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
953. *Phaeographis rugulosa* (Vain.) Zahlbr., Cat. Lich Univ. 2: 444 (1923)
Literature: Alava 1909; Vainio 1921 as *Graphis rugulosa*; Wolseley et al., 2002
954. *Phaeographis schizolomoides* Poengs. & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
955. *Phaeographis sculpturata* (Ach.) Staiger, Biblioth. Lichenol. 85: 345 (2002)
Literature: Vainio 1921 as *Graphis sculpturata*; Wolseley et al., 2002 as *Phaeographina sculpturata*
956. *Phaeographis siamensis* Poengs. & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
957. *Phaeographis subintricata* Müll. Arg., Bull. Herb. Boissier 3: 320 (1895)
Literature: Vainio 1909; Wolseley et al., 2002 as *Phaeographina subintricata*
958. *Phaeographis subtigrina* (Vain.) Zahlbr. Cat. Lich. Univ. 2: 387 (1923)
Literature: Vainio 1909; Alava 1988 as *Graphina subtigrina*; Wolseley et al., 2002
959. *Phaeographopsis indica* (Patw. & Nagarkar) Sipman & Aptroot, in Aptroot et al., Fungal Diversity 24: 114 (2007)
Literature: Aptroot et al., 2007
960. *Phaeophyscia hispidula* (Ach.) Essl., Mycotaxon 7: 305 (1978)
Literature: Paulson 1930 as *Physcia setosa*; Wolseley et al., 2002
961. *Phaeophyscia limbata* (Poelt) Kashiw., Bull. Natl. Sci. Mus., Tokyo, B. 10: 129 (1984)
Literature: Aptroot et al., 2007
962. *Phaeophyscia orbicularis* (Neck.) Moberg, Symb. Bot. Upsal. 22: 44 (1977)
Literature: Mongkolsuk and Meesim 2012
963. *Phaeophyscia primaria* (Poelt) Trass, Folia Cryptog. Estonica. 15: 2 (1981)
Literature: Schumm and Aptroot 2012
964. *Phylctis himalayensis* (Nyl.) D.D.Awasthi, Lichenology in Indian Subcontinent: 15 (2000)
Literature: Vainio 1921 as *Phylctis polyphragmia*; Wolseley et al., 2002 as *Phylctella himalayensis*

965. *Phlyctis neozelandica* Nyl., Flora 52: 121 (1869)
Literature: Paulson 1930 as *Phlyctella neozelandica*; Wolseley et al., 2002
966. *Phlyctis uncinata* Stirt., J. Linn. Soc., Bot. 14: 464 (1875)
Literature: Aptroot et al., 2007 as *Phlyctella uncinata*
967. *Phyllogyalidea epiphylla* (Vězda) Lücking & Aptroot, Fl. Neotrop., Monogr. 103: 383 (2008)
Literature: Aptroot et al., 2007
968. *Phyllopsora buettneri* (Müll.Arg.) Zahlbr., Cat. Lich. Univ. 4: 396 (1926) [1927]
Literature: Wolseley et al., 1994
969. *Phyllopsora furfuracea* Zahlbr., in Engler & Prantl, Nat. Pflanzenfam. Nachtr. [Engler & Prantl] 1: 138 (1905)
Literature: Wolseley and Aguirre-Hudson 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
970. *Phyllopsora viridis* Paulson, J. Siam Soc., Nat. Hist., 8: 101 (1930)
Literature: Paulson 1930
971. *Physcia atrostriata* Moberg, Nordic J. Bot. 6: 853 (1986)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Van den Boom et al., 2014
972. *Physcia crispa* Nyl., Syn. Meth. Lich 1: 432 (1860)
Literature: Saipunkaew et al., 2007
973. *Physcia erumpens* Moberg, Nordic J. Bot. 6: 856 (1986)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
974. *Physcia integrata* Nyl., Syn. Meth. Lich. 1: 424 (1860)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012; Van den Boom et al., 2014
975. *Physcia krogiae* Moberg, Nordic J. Bot. 6: 858 (1986)
Literature: Saipunkaew et al., 2007
976. *Physcia poncinsii* Hue, Bull. Soc. Bot. France: 10 (1917)
Literature: Saipunkaew et al., 2007
977. *Physcia sorediosa* (Vain.) Lynge, Skr. Vidensk.-Selsk. Christiania, Math.-Naturvidensk. KL. no. 16: 27 (1924)
Literature: Paulson 1930; Wolseley et al., 2002; Van den Boom et al., 2014
978. *Physcia undulata* Moberg, Nordic J. Bot. 6: 861 (1986)
Literature: Vainio 1909 as *Physcia crispa* v. *mollescens*; Mongkolsuk et al., 2015 and Wolseley et al., 2002 as *Heterodermia albicans*; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
979. *Physcidia cylindrophora* (Taylor) Hue, Bull. Soc. Linn. Normandie 1: 97 (1908)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Aptroot et al., 2007
980. *Physcidia squamulosa* Tuck., Proc. Amer. Acad. Arts 5: 401 (1862) [1860]
Literature: Aptroot et al., 2007
981. *Physcidia wrightii* (Tuck.) Tuck., Proc. Amer. Acad. Arts Sci. 5: 400 (1862)
Literature: Wolseley et al., 1994; Wolseley and Aguirre-Hudson 1995; 1997a; 1997b; Boonpragob et al., 1998; Wolseley et al., 2002; Aptroot et al., 2007

982. *Physciella chloantha* (Ach.) Essl., Mycologia 78(1): 94 (1986)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Phaeophyscia chloantha*
983. *Physma byrsaeum* (Ach.) Tuck., Syn. N. Amer. Lich. 1:115 (1882)
Literature: Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002; Rang-siruji et al., 2016
984. *Physma plicatum* Hue, Bull. Soc. Linn. Normandie 9: 136 (1906)
Literature: Vainio 1909; Wolseley et al., 2002
985. *Physma radians* Vain., Ann. Acad. Sci. fenn., Ser. A 6: 45 (1921)
Literature: Ohmura et al., 2016
986. *Piccolia conspersa* (Fée) Hafellner, Biblioth. Lichenol. 58: 109 (1995)
Literature: Aptroot et al., 2007
987. *Placynthium nigrum* (Huds.) Gray, Nat. Arr. Brit. Pl. 2: 395 (1821)
Literature: Aptroot et al., 2007
988. *Platismatia erosa* W.L.Culb. & C.F.Culb., Contr. U.S. Natl. Herb. 34: 526 (1968)
Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
989. *Platygramme caesiopruinosa* (Fée) Fée, Bull. Soc. bot. Fr. 21: 30 (1874)
Literature: Vainio 1921; Wolseley et al., 2002 as *Phaeographina caesiopruinosa*; Poengsungnoen et al., 2010 as *Graphis caesiopruinosa*
990. *Platygramme microspora* Sutjaritt. & Kalb, Phytotaxa 189: 322 (2014)
Literature: Sutjaritturakan and Kalb 2014
991. *Platygramme platyloma* (Müll. Arg.) M. Nakan. & Kashiw., in Nakanishi, Kashiwadani & Moon, Bull. Natn. Sci. Mus., Tokyo, B 29(2): 89 (2003)
Literature: Lumbsch et al., 2014 as *Platygramme impudica*
992. *Platygramme pudica* (Mont. & Bosch) M.Nakan. & Kashiw., in Nakanishi et al., Bull. Natl. Sci. Mus., Tokyo, B. 29: 89 (2003)
Literature: Poengsungnoen et al., 2010
993. *Platygramme subarechavaletae* Poengs. & Kalb, Phytotaxa 189: 255-267 (2014)
Literature: Poengsungnoen et al., 2014b
994. *Platythecium allosporellum* (Nyl.) Staiger, Biblioth. Lichenol. 85: 377 (2002)
Literature: Aptroot et al., 2007
995. *Platythecium colliculosum* (Mont.) Staiger, Biblioth. Lichenol. 85: 380 (2002)
Literature: Aptroot et al., 2007
996. *Platythecium dimorphodes* (Nyl.) Staiger, Biblioth. Lichenol. 85: 383 (2002)
Literature: Aptroot et al., 2007; Nakanishi et al., 2001 as *Graphina dimorphodes*
997. *Platythecium grammitis* (Fée) Staiger, Biblioth. Lichenol. 85: 385 (2002)
Literature: Aptroot et al., 2007
998. *Platythecium leiogramma* (Nyl.) Staiger, Biblioth. Lichenol. 85: 388 (2002)
Literature: Aptroot et al., 2007
999. *Pliariona montagnei* (Bosch) A. Massal., Atti Reale Ist. Veneto Sci. Lett. Arti, Sér. 3, 5: 318 (1860)
Literature: Poengsungnoen et al., 2010 as *Thecaria montagnei*

1000. *Polyblastidium appendiculatum* (Kurok.) Kalb, Phytotaxa 235: 39 (2015)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Heterodermia appendiculata*; Mongkolsuk et al., 2015
1001. *Polyblastidium chilense* (Kurok.) Kalb, Phytotaxa 235: 40 (2015)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Heterodermia chilensis*
1002. *Polyblastidium dendriticum* (Pers.) Kalb, in Mongkolsuk et al., Phytotaxa 235: 49 (2015)
Literature: Wolseley et al., 2002 as *Heterodermia dendritica*
1003. *Polyblastidium fragilissimum* (Kurok.) Kalb, Phytotaxa 235: 41 (2015)
Literature: Mongkolsuk et al., 2015
1004. *Polyblastidium hypocaesium* (Yasuda) Kalb, Phytotaxa 235(1): 41 (2015)
Literature: Wolseley et al., 2002 as *Heterodermia hypocaesia*; Mongkolsuk et al., 2015
1005. *Polyblastidium hypoleucum* (Ach.) Kalb, Phytotaxa 235(1): 42 (2015)
Literature: Vainio 1921 as *Anaptychia hypoleuca*; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Heterodermia hypoleuca*; Mongkolsuk et al., 2015
1006. *Polyblastidium japonicum* (Satô) Kalb, Phytotaxa 235(1): 43 (2015)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Heterodermia japonica*; Mongkolsuk et al., 2015
1007. *Polyblastidium microphyllum* (Kurok.) Kalb, Phytotaxa 235(1): 44 (2015)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012 as *Heterodermia microphylla*; Mongkolsuk et al., 2015
1008. *Polyblastidium propaguliferum* (Vain.) Kalb, Phytotaxa 235(1): 45 (2015)
Literature: Schumm and Aptroot 2012 as *Heterodermia propagulifera*; Mongkolsuk et al., 2015
1009. *Polyblastidium queenslandicum* (Elix) Kalb, Phytotaxa 235(1): 47 (2015)
Literature: Mongkolsuk et al., 2015
1010. *Polyblastidium togashii* (Kurok.) Kalb, Phytotaxa 235(1): 47 (2015)
Literature: Mongkolsuk et al., 2015
1011. *Polyblastidium violostriatum* (Elix) Kalb, Phytotaxa 235(1): 48 (2015)
Literature: Mongkolsuk et al., 2015
1012. *Polychidium dendriscum* (Nyl.) Henssen, Symb. Bot. Upsal. 18: 107 (1963)
Literature: Vainio 1909 as *Leptogidium morreii*; Wolseley and Aguirre-Hudson 1995
1013. *Polychidium muscicola* (Sw.) Gray, Nat. Arr. Brit. Pl. 1: 402 (1820)
Literature: Mongkolsuk et al., 2013
1014. *Polychidium stipitatum* Vězda & W.A.Weber, Mycotaxon 3: 355 (1976)
Literature: Aptroot et al., 2007
1015. *Polymeridium albidum* (Müll.Arg.) R.C.Harris, Acta Amazonica Supl. 14: 69 (1986)

- Literature: Wolseley et al., 2002; Aptroot et al., 2007; Aptroot and Lücking 2016
1016. *Polymeridium albocinereum* (Kremp.) R.C.Harris, Bol. Mus. Paraense Emílio Goeldi, Ser. Bot. 7: 625 (1993)
Literature: Aptroot and Lücking 2016
1017. *Polymeridium catapastum* (Nyl.) R.C.Harris., Acta Amazonica 14: 70. (1984)
Literature: Vongshewarat et al., 1999; Wolseley et al., 2002; Aptroot et al., 2007
1018. *Polymeridium quinqueseptatum* (Nyl.) R.C.Harris in Tucker & Harris, Bryologist 83: 12. (1980)
Literature: Vongshewarat et al., 1999; Wolseley et al., 2002; Aptroot and Lücking 2016
1019. *Polymeridium siamense* (Vain.) Aptroot, in Aptroot & Cáceres, Nova Hedwigia 98: 24 (2014)
Literature: Vainio 1921; Alava 1988 as *Arthopyrenia siamensis*; Aptroot and Lücking 2016
1020. *Porina albicera* (Kremp.) Overeem & D.Overeem, Bull. Jard. Bot. Buitenzorg 4: 112 (1922)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1021. *Porina americana* Fée, Essai Crypt. Écorc. (Paris): 83 (1825) [1824]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1022. *Porina atriceps* (Vain.) Vain., in Lücking & Vězda, Willdenowia 28 : 189 (1998)
Literature: Papong et al., 2007
1023. *Porina atrocoerulea* Müll.Arg., Flora 66 : 336 (1883)
Literature: Papong et al., 2007
1024. *Porina bellendenica* Müll.Arg., Hedwigia 30: 56 (1891)
Literature: Wolseley et al., 2002
1025. *Porina borrieri* (Trevis.) D.Hawksw. & P.James, in Hawksworth et al., Lichenologist 12: 107 (1980)
Literature: Schumm and Aptroot 2012
1026. *Porina conica* R.Sant., Symb. Bot. Upsal. 12: 232 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1027. *Porina corruscans* (Rehm) R.Sant., Symb. Bot. Upsal. 12: 223 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1028. *Porina cupreola* (Müll.Arg.) F.Schill., Hedwigia 67: 274 (1927)
Literature: Papong et al., 2007
1029. *Porina distans* Vězda & Vivant, in Vězda, Nova Hedwigia 58: 136 (1994)
Literature: Aptroot et al., 2007
1030. *Porina eminentior* (Nyl.) P.M.McCarthy, Lichenologist 32: 42 (2000)
Literature: Wolseley et al., 2002; Aptroot et al., 2007
1031. *Porina epiphylla* Fée, Essai Crypt. Écorc. (Paris): 76 (1825) [1824]
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1032. *Porina erawanensis* P.M.McCarthy & Vongshew., in Vongshewarat et al., Mycotaxon 70: 231 (1999)

- Literature: Vongshewarat et al., 1999; Wolseley et al., 2002
1033. *Porina exocha* (Nyl.) P.M.McCarthy, Lichenologist 32: 23 (2000)
Literature: Yoshimura 1978, Homchantara and Coppins 2002 as *Myriotrema whalleyanum*; Papong et al., 2010
1034. *Porina fulvella* Müll.Arg., Flora 66: 335 (1883)
Literature: Papong et al., 2007
1035. *Porina guentheri* (Flot.) Zahlbr., Cat. Lich. Univ. 1: 384 (1922)
Literature: Aptroot et al., 2007
1036. *Porina hoehneliana* (Jaap) R.Sant., Symb. Bot. Upsal. 12: 262 (1952)
Literature: Papong et al., 2007
1037. *Porina huainamdungensis* Papong, Thammathaworn & Lücking, Phytotaxa 18: 100 (2011)
Literature: Lumbsch et al., 2011
1038. *Porina internigrans* (Nyl.) Müll.Arg., Rep. Australas. Assoc. Advancem. Sci.: 452 (1895)
Literature: Vongshewarat et al., 1999; Wolseley et al., 2002; Schumm and Aptroot 2012
1039. *Porina kamerunesis* F.Schill., Hedwigia 67: 289 (1927)
Literature: Papong et al., 2007
1040. *Porina kansriae* P.M.McCarthy, Lichenologist 31: 239 (1999)
Literature: Boonpragob et al., 1998; McCarthy 1999; Wolseley et al., 2002; Aptroot et al., 2007 as *Porina ulceratula*
1041. *Porina karnatakensis* Makhija, Adaw. & Patw., J. Econ. Taxon. Bot. 18: 538 (1995)
Literature: Papong et al., 2007
1042. *Porina lucida* R.Sant., Symb. Bot. Upsal. 12: 240 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1043. *Porina mastoidea* Fée, Essai Crypt. Écorc. (Paris): 82 (1825) [1824]
Literature: Wolseley and Aguirre-Hudson 1997a, 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
1044. *Porina minutissima* Henssen, Lücking & Vězda, in Lücking & Vězda, Willdenowia 28: 211 (1998)
Literature: Papong et al., 2007
1045. *Porina nitidula* Müll.Arg., Flora 66: 336 (1883)
Literature: Aptroot et al., 2007; Papong et al., 2007
1046. *Porina palmicola* Malcolm & Vězda, in Vězda, Lichenes Rariores Exsiccati 41: 2 (1999)
Literature: Papong et al., 2007
1047. *Porina perminuta* Vain., Univ. Calif. Publ. Bot. 12: 14 (1924)
Literature: Papong et al., 2007
1048. *Porina rubentior* (Stirt.) Müll.Arg., Flora 66: 334 (1883)
Literature: Papong et al., 2007
1049. *Porina rufula* (Kremp.) Vain., Acta Soc. Fauna Fl. Fenn. 7: 227 (1890)

- Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1050. *Porina siamensis* P.M. McCarthy, Lichenologist 31: 242 (1999)
Literature: McCarthy 1999; Wolseley et al., 2002
1051. *Porina sphaerocephala* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15 : 368 (1921)
Literature: Papong et al., 2007
1052. *Porina subnucula* Lumbsch, Lücking & Vězda, in Lücking & Vězda, Willdenowia 28: 217 (1998)
Literature: Papong et al., 2007
1053. *Porina subrubrosphaera* Kurok., J. Jap. Bot. 33: 206 (1958)
Literature: Papong et al., 2007
1054. *Porina terrae-reginae* P.M. McCarthy, Lücking & Vězda, Fl. Australia 58: 228 (2001)
Literature: Papong et al., 2007 as *Porina cupreola*
1055. *Porina tetraceræ* (Ach.) Müll.Arg., Bot. Jahrb. Syst. 6: 401 (1885)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1056. *Porina tetramera* (Malme) R.Sant., in Thorold, J. Ecol. 40: 129 (1952)
Literature: Papong et al., 2007
1057. *Porina trichothelioides* R.Sant., Symb. Bot. Upsal. 12: 227 (1952)
Literature: Aptroot et al., 2007; Papong et al., 2007
1058. *Porina vezdae* Lücking, Nova Hedwigia 52: 285 (1991)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1059. *Porina virescens* (Kremp.) Müll.Arg., in Lücking & Vězda, Willdenowia 28: 219 (1998)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1060. *Porina wolseleyae* P.M. McCarthy, Lichenologist 31: 244 (1999)
Literature: McCarthy 1999; Wolseley et al., 2002
1061. *Porpidia albocaerulescens* (Wulfen) Hertel & Knoph, in Hertel, Beih. Nova Hedwigia 79: 433 (1984)
Literature: Kalb et al., 2012
1062. *Pseudochapsa dilatata* (Müll.Arg.) Parnmen, Lücking & Lumbsch, PLoS ONE 7(12): e51392 (2012)
Literature: Wolseley et al., 2002 as *Thelotrema dilatatum*
1063. *Pseudochapsa phlyctidioides* (Müll.Arg.) Parnmen et al., PLoS ONE 7(12): e51392 (2012)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Thelotrema phlyctidioides*
1064. *Pseudochapsa pseudoexanthismocarpa* (Patw. & C.R. Kulk.) Parnmen, Lücking & Lumbsch, PLoS ONE 7 (12): e51392 (2012)
Literature: Wolseley et al., 2002 as *Thelotrema pseudoexanthismocarpum*
1065. *Pseudocyphellaria argyracea* (Delise) Vain., Hedwigia 37: 35 (1898)
Literature: Wolseley and Aguirre-Hudson 1995; Boonpragob et al., 1998; Wolseley et al., 2002
1066. *Pseudocyphellaria beccarii* (Kremp.) D.J. Galloway, Bull. Brit. Mus. (Nat. Hist.) Bot. 24: 119 (1994)

- Literature: Wolseley and Aguirre-Hudson 1997a; Wolseley et al., 2002
1067. *Pseudocyphellaria crocata* (L.) Vain., Hedwigia 37: 34 (1898)
Literature: Mongkolsuk et al., 2013
1068. *Pseudocyphellaria junghuhniana* (Müll.Arg.) D.D.Awasthi, Beih. Nova Hedwigia 17: 104 (1965)
Literature: Wolseley and Aguirre-Hudson 1995; Aptroot et al., 2007
1069. *Pseudopyrenula diluta* (Fée) Müll.Arg., Flora 66: 249 (1883)
Literature: Vainio 1909; Aptroot et al., 2007; Aptroot and Lücking 2016
1070. *Pseudopyrenula endoxanthoides* Vain., Hedwigia 46: 180 (1907)
Literature: Alava 1988; Aptroot and Lücking 2016
1071. *Pseudopyrenula subnudata* Müll.Arg., Flora 66: 272 (1883)
Literature: Wolseley et al., 2002 as *Pseudopyrenula diluta* var. *degenerans*; Aptroot and Lücking 2016
1072. *Pseudotopeliopsis laceratula* (Müll.Arg.) Parnmen, Lücking & Lumbsch, PLoS ONE 7 (12): e51392 (2012)
Literature: Wolseley et al., 2002 as *Thelotrema laceratulum*; Parnmen et al., 2012; Lumbsch et al., 2014; Poengsungnoen et al., 2014b
1073. *Psoroglaena cubensis* Müll.Arg., Flora 74: 381 (1891)
Literature: Aptroot et al., 2007
1074. *Psorotheciopsis patellarioides* (Rehm) R.Sant., Symb. Bot. Upsal. 12: 336 (1952)
Literature: Aptroot et al., 2007
1075. *Punctonora nigropulvinata* Aptroot, in Aptroot et al., Biblioth. Lichenol. 64: 151 (1997)
Literature: Aptroot et al., 2007
1076. *Pyrenula acutalis* R.C.Harris, Mem. New York Bot. Gard. 49: 85 (1989)
Literature: Aptroot et al., 2007
1077. *Pyrenula anomala* (Ach.) Vain., Ann. Acad. Sci. Fenn., Ser. A, 6: 189 (1915)
Literature: Wolseley et al., 2002
1078. *Pyrenula aspistea* (Ach.) Ach., Syn. Meth. Lich. 123 (1814)
Literature: Vainio 1909; Paulson 1930; Wolseley et al., 2002 as *Pyrenula subaggregata* and *Pyrenula velatior*; Gueidan et al., 2016
1079. *Pyrenula aurantiopileata* Aptroot, in Aptroot et al., Fungal Diversity 24: 118 (2007)
Literature: Aptroot et al., 2007
1080. *Pyrenula breutelii* (Müll. Arg.) Aptroot, Lichenologist 44(1): 35 (2012)
Literature: Vongshewarat et al., 1999; Wolseley et al., 2002; Aptroot et al., 2007 as *Pyrenula macularis*
1081. *Pyrenula castanea* (Eschw.) Müll. Arg., Flora, Regensburg 67(35): 664 (1884)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002 as *Pyrenula submarginata*
1082. *Pyrenula circumfiniens* Vain., Ann. Acad. Sci. fenn., Ser. A 6(no. 7): 195 (1915)
Literature: Vongshewarat et al., 1999; Wolseley et al., 2002; Aptroot et al., 2007 as *Pyrenula subferruginea*
1083. *Pyrenula confinis* (Nyl.) R.C.Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol. (New York): 109 (1995)

- Literature: Vainio 1909 as *Bottaria confinis*; Wolseley et al., 2002
1084. *Pyrenula cuyabensis* (Malme) R.C.Harris, Mem. New York Bot. Gard. 49: 91 (1989)
Literature: Aptroot et al., 2007
1085. *Pyrenula fetivica* (Kremp.) Müll. Arg., Flora, Regensburg 72: 68 (1889)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002 as *Pyrenula feracissima*, *Pyrenula approximata* and *Pyrenula glabriuscula*
1086. *Pyrenula globifera* (Eschw.) Aptroot, in Aptroot, Lücking, Sipman, Umaña & Chaves, Biblioth. Lichenol. 97: 103 (2008)
Literature: Aptroot et al., 2007 as *Anthracothecium globiferum*
1087. *Pyrenula immissa* (Stirt.) Zahlbr., Cat. Lich. Univers. 1: 433 (1922)
Literature: Aptroot et al., 2007 as *Pyrenula laii*
1088. *Pyrenula leucostoma* Ach., Syn. Meth. Lich.: 124 (1814)
Literature: Vainio 1909 as *Bottaria libricola*; Wolseley et al., 2002
1089. *Pyrenula lineatostroma* Aptroot, in Aptroot et al., Biblioth. Lichenol. 64: 160 (1997)
Literature: Aptroot et al., 2007
1090. *Pyrenula mamillana* (Ach.) Trevis., Consp. Verruc.: 13 (1860)
Literature: Aptroot et al., 2007; Schumm and Aptroot 2012
1091. *Pyrenula massariospora* (Starbäck) R.C.Harris, Mem. New York Bot. Gard. 49: 95 (1989)
Literature: Aptroot et al., 2007
1092. *Pyrenula microcarpa* Müll.Arg., Bot. Jahrb. Syst. 6: 412 (1885)
Literature: Aptroot et al., 2007
1093. *Pyrenula montana* Aptroot, in Aptroot et al., Biblioth. Lichenol. 64: 163 (1997)
Literature: Aptroot et al., 2007
1094. *Pyrenula nitida* (Weigel) Ach., Syn. Meth. Lich.: 125 (1814)
Literature: Paulson 1930; Wolseley et al., 2002
1095. *Pyrenula ochraceoflava* var. *pacifica* P.M. McCarthy, Lichenologist 32: 32 (2000)
Literature: Vainio 1907; Vainio 1909; Alava 1988 as *Bottaria rosea*; Wolseley et al., 2002 as *Anthracothecium roseum*
1096. *Pyrenula oleosa* R.C.Harris, Mem. New York Bot. Gard. 49: 97 (1989)
Literature: Aptroot et al., 2007
1097. *Pyrenula parvinuclea* (Meyen & Flot.) Aptroot, in Aptroot et al., Biblioth. Lichenol. 64: 165 (1997)
Literature: Vainio 1907; Vainio 1909 as *Bottaria denudata* and *Anthracothecium parameroides*; Alava 1988 as *Bottaria parameroides*; Vongshewarat et al., 1999; Wolseley et al., 2002 as *Anthracothecium parameroides*; Gueidan et al., 2016
1098. *Pyrenula quassicola* Fée, Essai Crypt. Écorc., Suppl. Révis. (Paris): 79 (1837)
Literature: Aptroot et al., 2007
1099. *Pyrenula rockii* Zahlbr., Ann. Mycol., 30: 428 (1932)

- Literature: Aptroot et al., 2007
1100. *Pyrenula rubrostoma* R.C.Harris, in Tucker & Harris, Bryologist 83: 16 (1980)
Literature: Aptroot et al., 2007
1101. *Pyrenula santensis* (Nyl.) Müll.Arg., Flora 65: 400 (1882)
Literature: Aptroot et al., 2007
1102. *Pyrenula scutata* (Stirt.) Zahlbr., Cat. Lich. Univers. 1: 452 (1922)
Literature: Aptroot et al., 2007 as *Pyrenula pileata*
1103. *Pyrenula septicollaris* (Eschw.) R.C.Harris, Mem. New York Bot. Gard. 49: 101 (1989)
Literature: Schumm and Aptroot 2012
1104. *Pyrenula sexocularis* (Nyl.) Müll. Arg., Flora, Regensburg 60: 475 (1879)
Literature: Gueidan et al., 2016; Aptroot et al., 2007 as *Pyrenula concatervans*
1105. *Pyrenula thailandica* Aptroot, Lichenologist 44: 617 (2012)
Literature: Aptroot et al., 2012; Schumm and Aptroot 2012
1106. *Pyrgidium montelicum* (Beltr.) Tibell, Lichenologist 14: 239 (1982)
Literature: Aptroot et al., 2007
1107. *Pyrgillus indicus* (Kremp.) Aptroot, Biblioth. Lichenol. 44: 84 (1991)
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b as *Pyrgillocarpon indicum*; Wolseley et al., 2002
1108. *Pyrgillus javanicus* (Mont. & Bosch) Nyl., Mém. Soc. Sci. Nat. Math. Cherbourg 5: 334 (1858)
Literature: Wolseley and Aguirre-Hudson 1997a, 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
1109. *Pyrrhospora fuscisidiata* Aptroot & Wolseley, in Aptroot et al., Fungal Diversity 24: 121 (2007)
Literature: Aptroot et al., 2007
1110. *Pyrrhospora luminescens* Aptroot & Wolseley, in Aptroot et al., Fungal Diversity 24: 122 (2007)
Literature: Aptroot et al., 2007
1111. *Pyxine asiatica* Vain., Hedwigia, 46: 171 (1907)
Literature: Alava 1988; Mongkolsuk et al., 2012; Van den Boom et al., 2014
1112. *Pyxine australiensis* Kalb, Herzogia 10: 61 (1994)
Literature: Mongkolsuk et al., 2012
1113. *Pyxine berteriana* (Fée) Imshaug, Trans. Amer. Microscop. Soc. 56: 254 (1957)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012; Schumm and Aptroot 2012; Van den Boom et al., 2014
1114. *Pyxine boonpragobiana* Kalb & Mongkolsuk, Phytotaxa 59: 38 (2012)
Literature: Mongkolsuk et al., 2012
1115. *Pyxine coccifera* (Fée) Nyl., Mém. Soc. Sci. Nat. Cherbourg 5: 108 (1857)
Literature: Vainio 1921; Wolseley and Aguirre-Hudson 1995; 1997a; 1997b; Wolseley et al., 1994; Wolseley et al., 2002; Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012; Van den Boom et al., 2014
1116. *Pyxine cocoes* (Sw.) Nyl., Mém. Soc. Sci. Nat. Cherbourg 5: 108 (1857)

- Literature: Saipunkaew et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012; Schumm and Aptroot 2012
1117. *Pyxine cognata* Stirt., Proc. Roy. Philos. Soc. Glasgow 11: 311 (1879) [1878]
Literature: Mongkolsuk et al., 2012
1118. *Pyxine copelandii* Vain., Philipp. J. Sci., C 8: 110 (1913)
Literature: Vainio 1921
1119. *Pyxine coralligera* Malme, Bih. Kongl. Svenska Vetensk.-Akad. Handl. 23: 40 (1897)
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b; Wolseley et al., 2002; Aptroot et al., 2007; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012
1120. *Pyxine cylindrica* Kashiw., Bull. Natl. Sci. Mus., Tokyo, B. 3: 66 (1977)
Literature: Aptroot et al., 2007; Mongkolsuk et al., 2012
1121. *Pyxine dactyloschmidtii* Kalb & Mongkolsuk, Phytotaxa 59: 44 (2012)
Literature: Mongkolsuk et al., 2012
1122. *Pyxine daedalea* Krog & R.Sant., in Moberg, Thunbergia 2: 7 (1986)
Literature: Aptroot et al., 2007; Mongkolsuk et al., 2012
1123. *Pyxine farinosa* Kashiw., Bull. Natl. Sci. Mus., Tokyo, B. 3: 67 (1977)
Literature: Aptroot et al., 2007; Mongkolsuk et al., 2012; Van den Boom et al., 2014
1124. *Pyxine katendei* Swinscow & Krog, Norweg. J. Bot. 22: 54 (1975)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
1125. *Pyxine meissneriana* Nyl., Bull. Soc. Linn. Normandie 2:164 (1873)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012; Van den Boom et al., 2014
1126. *Pyxine obscurascens* Malme, Bih. Kongl. Svenska Vetensk.-Akad. Handl. 23:42 (1897)
Literature: Aptroot et al., 2007
1127. *Pyxine petricola* Nyl., in Crombie, J. Bot., Lond. 14: 263 (1876)
Literature: Aptroot et al., 2007; Mongkolsuk et al., 2012; Van den Boom et al., 2014
1128. *Pyxine philippina* Vain., Philipp. J. Sci., C 8: 110 (1913)
Literature: Mongkolsuk et al., 2012
1129. *Pyxine profallax* Kalb, in Kalb et al., Biblioth. Lichenol.99: 243 (2009)
Literature: Mongkolsuk et al., 2012
1130. *Pyxine pseudokeralensis* Kalb, Mongkolsuk & Buaruang, Phytotaxa 59: 49 (2012)
Literature: Mongkolsuk et al., 2012
1131. *Pyxine pyxinoides* (Müll.Arg.) Kalb, Biblioth. Lichenol. 24: 66 (1987)
Literature: Meesim and Mongkolsuk 2010a as *Pyxine microspore*; Mongkolsuk and Meesim 2012
1132. *Pyxine reticulata* (Vain.) Vain., Ann. Acad. Sci. Fenn., Ser. A. 6: 70 (1914).
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012

1133. *Pyxine retirugella* Nyl., Ann. Sci. Nat., Bot. 11: 240 (1859)
Literature: Vainio 1909; Alava 1988 as *Pyxine asiatica* and *Pyxine retirugella* var. *laevior*; Wolseley and Aguirre-Hudson 1995; 1997a; 1997b; Wolseley et al., 2002; Saipunkaew et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Schumm and Aptroot 2012; Mongkolsuk and Meesim 2012 as *Pyxine consocians*
1134. *Pyxine schmidtii* Vain., Hedwigia 46: 170 (1907)
Literature: Vainio 1909; Alava 1988; Wolseley et al., 2002; Mongkolsuk et al., 2012
1135. *Pyxine sorediata* (Ach.) Mont. in Sagva. Hist. Phys. Cuba, Bot., Pl. Cell. 9:188 (1842)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012
1136. *Pyxine subcinerea* Stirton, Trans. & Proc. New Zealand Inst. 30: 397 (1898)
Literature: Aptroot et al., 2007; Meesim and Mongkolsuk 2010a; Mongkolsuk et al., 2012; Mongkolsuk and Meesim 2012
1137. *Pyxine subcoralligera* Kalb, Mongk. & Boonpr., in Mongkolsuk, Meesim, Pongsungnoen & Kalb, Phytotaxa 59: 52 (2012)
Literature: Mongkolsuk et al., 2012
1138. *Pyxine vermiformis* Swinscow & Krog, Norweg. J. Bot. 22: 66 (1975)
Literature: Meesim and Mongkolsuk 2010a; Mongkolsuk and Meesim 2012
1139. *Ramalina calicaris* (L.) Röhl., Deutschl. Fl. 3: 139 (1813)
Literature: Satô 1962; Yoshimura 1978; Wolseley et al., 2002
1140. *Ramalina conduplicans* Vain., Suom. Elain-ja Kasvit. Seuran Van. Julk. 1: 35 (1921)
Literature: Satô 1962; Vainio 1921; Wolseley et al., 2002
1141. *Ramalina farinacea* (L.) Ach., Lichenogr. Universalis: 606 (1810)
Literature: Paulson 1930; Vainio 1909; Yoshimura 1978; Wolseley et al., 2002
1142. *Ramalina hossei* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1: 36 (1921)
Literature: Wolseley et al., 2002
1143. *Ramboldia russula* (Ach.) Kalb, Lumbsch & Elix, Nova Hedwigia 86: 37 (2008)
Literature: Satô 1962; Vainio 1921 as *Lecidea russula*; Wolseley and Aguirre-Hudson 1997; Boonpragob et al., 1998; Wolseley et al., 2002 as *Pyrrhospora russula*; Kalb et al., 2009b; Schumm and Aptroot 2012
1144. *Ramboldia siamensis* Buaruang, Elix & Kalb, Mycotaxon 110: 120 (2009)
Literature: Kalb et al., 2009b
1145. *Relicina abstrusa* (Vain.) Hale, Phytologia 28: 484 (1974)
Literature: Boonpragob et al., 1998; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Buaruang et al., 2015
1146. *Relicina circumnodata* (Nyl.) Hale, Phytologia 28: 484 (1974)
Literature: Moon et al., 2000a; Wolseley et al., 2002
1147. *Relicina intertexta* (Mont. & Bosch) Kirika, Divakar & Lumbsch, Lichenologist 49: 485 (2017)

- Literature: Vainio 1909 as *Parmelia ecoronata*; Hale 1976c as *Pseudoparmelia intertexta*; Wolseley et al., 2002; Buaruang et al., 2009; Buaruang et al., 2015 as *Relicinopsis intertexta*; Kirika et al., 2017
1148. *Relicina malaccensis* (Nyl.) Kirika, Divakar & Lumbsch, Lichenologist 49: 485 (2017)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012; Buaruang et al., 2015 as *Relicinopsis malaccensis*; Kirika et al., 2017
1149. *Relicina palmata* Elix, Biblioth. Lichenol. 62: 83 (1996)
Literature: Noicharoen et al., 2003
1150. *Relicina planiuscula* (Kurok.) Hale, Phytologia 28: 484 (1974)
Literature: Aptroot et al., 2007; Louwhoff et al., 2012
1151. *Relicina polycarpa* Elix & Polyiam, in Noicharoen et al., Mycotaxon 85: 328 (2003)
Literature: Noicharoen et al., 2003
1152. *Relicina rahengensis* (Vain.) Kirika, Divakar & Lumbsch, Lichenologist 49: 485 (2017)
Literature: Hale 1976c; Vainio 1921 as *Pseudoparmelia rahengensis*; Wolseley and Aguirre-Hudson 1995; 1997a; Moon et al., 2000a; Louwhoff et al., 2012; Buaruang et al., 2015 as *Relicinopsis rahengensis*; Kirika et al., 2017
1153. *Relicina subabstrusa* (Gyeln.) Hale, Phytologia 28: 485 (1974)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Buaruang et al., 2015
1154. *Relicina subconnivens* Hale, Smithsonian Contr. Bot. 26: 30 (1975)
Literature: Noicharoen et al., 2003
1155. *Relicina sublanea* (Kurok.) Hale, Phytologia 28: 485 (1974)
Literature: Wolseley et al., 2002
1156. *Relicina sublimbata* (Nyl.) Hale, Phytologia 28: 485 (1974)
Literature: Hale 1975; Wolseley and Aguirre-Hudson 1995 as *Relicina sublimbata*; Moon et al., 2000a; Wolseley et al., 2002
1157. *Remototrachyna adducta* (Nyl.) A.Crespo et al., Taxon 97: 586 (2010)
Literature: Pooprang et al., 1999; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012 as *Hypotrachyna adducta*
1158. *Remototrachyna awasthii* (Hale & Patw.) Divakar & A.Crespo, Amer. J. Bot. 97: 586 (2010)
Literature: Louwhoff et al., 2012
1159. *Remototrachyna crenata* (Kurok.) Divakar & A.Crespo, Taxon 97: 586 (2010)
Literature: Moon et al., 2000a as *Hypotrachyna crenata*
1160. *Remototrachyna kingii* (Hale) Divakar & A.Crespo, Amer. J. Bot. 97: 586 (2010)
Literature: Hale 1968 as *Parmelia kingii*; Moon et al., 2000a; Wolseley et al., 2002; Buaruang et al., 2009; Louwhoff et al., 2012 as *Hypotrachyna kingii*
1161. *Rhabdodiscus asiaticus* (Vain.) Rivas Plata, Lücking & Lumbsch, Taxon 61: 1175 (2012)

- Literature: Vainio 1909; Alava 1988 as *Thelotrema asiatica*; Boonpragob et al., 1998; Wolseley et al., 2002 as *Ocellularia asiatica*; Sutjaritturakan and Kalb 2015
1162. *Rhabdodiscus crassus* (Müll.Arg.) Rivas Plata, Lücking & Lumbsch, Taxon 6: 1175 (2013)
Literature: Wolseley et al., 2002 as *Ocellularia crassa*; Sutjaritturakan and Kalb 2015
1163. *Rhabdodiscus emersus* (Kremp.) Rivas Plata, Lücking & Lumbsch, Taxon 6: 1175 (2013)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Ocellularia emersa*; Sutjaritturakan and Kalb 2015
1164. *Rhabdodiscus epitrypus* (Nyl.) Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 184 (1921)
Literature: Wolseley et al., 2002 as *Ocellularia epitrypa*; Sutjaritturakan and Kalb 2015
1165. *Rhabdodiscus fissus* (Nyl.) Vain., Ann. Acad. Sci. Fenn., Ser. A, 15: 184 (1921)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002 as *Ocellularia fissa*
1166. *Rhabdodiscus marivelensis* (Vain.) Rivas Plata, Lücking & Lumbsch, Taxon 6: 1176 (2013)
Literature: Boonpragob et al., 1998; Kraichak et al. 2014; Wolseley et al., 2002 as *Ocellularia marivelensis*; Sutjaritturakan and Kalb 2015; Lücking et al., 2015
1167. *Rhabdodiscus subcavatus* (Nyl.) Rivas Plata & Lumbsch, in Rivas Plata et al., Taxon 61: 1176 (2012)
Literature: Papong et al., 2014
1168. *Ricasolia discolor* (Bory) Nyl., Mém. Soc. Imp. Sci. Nat. Cherbourg 3: 174 (1855)
Literature: Yoshimura 1978; Wolseley et al., 2002 as *Lobaria discolor*
1169. *Rinodina citrinisidiata* Aptroot & Wolseley, in Aptroot et al., Fungal Diversity 24: 124 (2007)
Literature: Aptroot et al., 2007
1170. *Rinodina colorans* Vain., Acta Soc. Fauna Fl. Fenn. 7: 159 (1890)
Literature: Van den Boom et al., 2014
1171. *Rinodina guianensis* Aptroot, Proc. Kon. Ned. Akad. Wetensch., Biol. Chem. Geol. Phys. Med. Sci. 90: 240 (1997)
Literature: Van den Boom et al., 2014
1172. *Rinodina neglecta* Aptroot, Proc. Kon. Ned. Akad. Wetensch., Biol. Chem. Geol. Phys. Med. Sci. 90: 240 (1997)
Literature: Aptroot et al., 2007; Schumm and Aptroot 2012
1173. *Rinodina oxydata* (A.Massal.) A.Massal., Geneac. Lich.: 19 (1854)
Literature: Aptroot et al., 2007
1174. *Rinodina thiomela* (Nyl.) Müll.Arg., Flora 64: 515 (1881)
Literature: Aptroot et al., 2007

1175. *Roccella montagnei* Bel., Voy. Indes Or. 2: 117 (1834)
Literature: Paulson 1930; Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002 as *Roccella phycopsis*
1176. *Rolfidium coccocarpioides* (Nyl.) Timdal, Opera Bot. 110: 121 (1991)
1177. *Rolueckia siamensis* Papong, Thammathaworn & Boonpragob, Nova Hedwigia 86: 205 (2008)
Literature: Papong et al., 2008
1178. *Rostania coccophylla* (Nyl.) Otálora, P.M.Jørg. & Wedin, Fungal Diversity 64: 289 (2014)
Literature: Wolseley et al., 2002 as *Collema coccophyllum*
1179. *Sanguinotrema wightii* (Taylor) Lücking, in Lücking, Mangold, Plata, Parmen, Kraichak & Lumbsch, J. Linn. Soc., Bot.: 441 (2015)
Literature: Wolseley et al., 2002 as *Myriotrema wightii*; Lücking et al., 2015 as *Leptotrema wightii*
1180. *Sarcographa cinchonarum* Fée, Essai Crypt. Écorc. 90: 58 (1824)
Literature: Aptroot et al., 2007
1181. *Sarcographa glyphiza* (Nyl.) Kr.P.Singh & G.P. Sinha, Indian Lichens: 404 (2010)
Literature: Aptroot et al., 2007; Poengsungnoen et al., 2010 as *Sarcographina glyphiza*
1182. *Sarcographa heteroclita* (Mont.) Zahlbr., in Reehinger, Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 88: 19 (1911)
Literature: Aptroot et al., 2007
1183. *Sarcographa labyrinthica* (Ach.) Müll.Arg., Mém. Soc. Phys. Genève 29: 62 (1887)
Literature: Vainio 1909 as *Graphis labyrinthica*; Wolseley et al., 2002; Aptroot et al., 2007; Poengsungnoen et al., 2010
1184. *Sarcographa medusulina* (Nyl.) Müll.Arg., Flora 70: 77 (1887)
Literature: Wolseley and Aguirre-Hudson 1997a; 1997b; Boonpragob et al., 1998; Wolseley et al., 2002
1185. *Sarcographa tricola* (Ach.) Müll.Arg., Mém. Soc. Phys. Genève 29: 63 (1887)
Literature: Aptroot et al., 2007
1186. *Sarcographa verrucosa* (Vain.) Zahlbr., Cat. Lich. Univ. 2: 467 (1923) [1924]
Literature: Poengsungnoen et al., 2010
1187. *Schistophoron tenue* Stirt., Rep. Trans. Glasgow Soc. Field Naturalists 4: 165 (1876)
Literature: Aptroot et al., 2007
1188. *Scoliciosporum umbrinum* (Ach.) Arnold, Flora 54: 50 (1871)
Literature: Paulson 1930; Wolseley et al., 2002 as *Bacidia umbrina* var. *turgida*
1189. *Sculptolumina japonica* (Tuck.) Marbach. Biblioth. Lichenol. 74: 296 (2000)
Literature: Aptroot et al., 2007; Van den Boom et al., 2014
1190. *Septotrapelia triseptata* (Hepp) Aptroot, in Aptroot et al., Fungal Diversity 24: 122 (2007)

- Literature: Aptroot et al., 2007
1191. *Septotrapelia usnica* (Sipman) Kalb & Bungartz, Phytotaxa 150(1): 11 (2013)
Literature: Aptroot et al., 2007 as *Lepraria usnica*
1192. *Spilonema schmidtii* (Vain.) Henssen., Symb. Bot. Upsal. 18: (1963)
Literature: Wolseley et al., 2002
1193. *Sporopodium argillaceum* (Müll.Arg.) Zahlbr., Cat. Lich. Univ. 2: 679 (1924)
Literature: Papong et al., 2007
1194. *Sporopodium flavescens* (R.Sant.) Vězda, Lichenes Selecti Exsiccati, Fascicle 5: 2193 (1988)
Literature: Aptroot et al., 2007
1195. *Sporopodium hossei* Vain., Suom. Elain-ja Kasvit. Seuran Van. Julk. 1: 47 (1921)
Literature: Vainio 1921; Alava 1988; Wolseley et al., 2002
1196. *Sporopodium lepriurii* Mont., Ann. Sci. Nat., Bot. 16: 54 (1851)
Literature: Aptroot et al., 2007
1197. *Sporopodium leucoxanthum* (Spreng.) Vain., Suom. Elain-ja Kasvit. Seuran Van. Julk. 1: 47 (1921)
Literature: Vainio 1921; Wolseley et al., 2002
1198. *Sporopodium phyllocharis* (Mont.) A.Massal., Alc. Gen. Lich. 21: 98 (1997)
Literature: Papong et al., 2007
1199. *Sporopodium xantholeucum* (Müll.Arg.) Zahlbr., Cat. Lich. Univ. 2: 681 (1924)
Literature: Aptroot et al., 2007
1200. *Stegobolus berkeleyanus* Mont., in Hooker, London J. Bot. 4: 4 (1845)
Literature: Kraichak et al. 2014; Papong et al., 2014; Lücking et al., 2015
1201. *Sticta boschiana* Mont. & Bosch., Syll. Gen. Sp. Crypt.: 327 (1856)
Literature: Wolseley et al., 2002
1202. *Sticta fuliginosa* (Hoffm.) Ach., Methodus (Acharius): 280 (1803)
Literature: Wolseley et al., 2002
1203. *Sticta weigeliai* Isert, in Acharius, Lichenogr. Universalis 446 (1810)
Literature: Yoshimura 1978; Wolseley et al., 2002
1204. *Stigmatochroma epimarta* (Nyl.) Marbach, Biblioth. Lichenol. 74: 311 (2000)
Literature: Aptroot et al., 2007; Van den Boom et al., 2014
1205. *Stigmatochroma gerontoides* (Stirt.) Marbach, Biblioth. Lichenol. 74: 314 (2000)
Literature: Van den Boom et al., 2014
1206. *Stigmatochroma metaleptodes* (Nyl.) Marbach, Biblioth. Lichenol. 74: 319 (2000)
Literature: Aptroot et al., 2007
1207. *Stirtonia rhizophorae* Kalb & Mongkolsuk, in Kalb et al., Phytotaxa 42: 45 (2012)
Literature: Kalb et al., 2012; Schumm and Aptroot 2012
1208. *Strigula antillarum* (Fée) R.Sant., Bot. Jahrb. Syst. 6: 379 (1885)
Literature: Aptroot et al., 2007
1209. *Strigula concreta* (Fée) R.Sant., Symb. Bot. Upsal. 12: 177 (1952)

- Literature: Aptroot et al., 2007; Papong et al., 2007
1210. *Strigula maculata* (Cooke & Massee) R.Sant., Symb. Bot. Upsal. 12: 186 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1211. *Strigula melanobapha* (Kremp.) R.Sant., Symb. Bot. Upsal. 12: 188 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1212. *Strigula nemathora* Mont., Hist. Phys. Cuba, Bot., Pl. Cell. 2: 139 (1842)
Literature: Aptroot et al., 2007
1213. *Strigula nitidula* Mont. in Sagra, Hist. Phys. Cuba, Bot., Pl. Cell. 9 : 184 (1842)
Literature: Aptroot et al., 2007; Papong et al., 2007
1214. *Strigula obducta* (Müll.Arg.) R.C.Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol. (New York): 158 (1995)
Literature: Papong et al., 2007
1215. *Strigula phaea* (Ach.) R.C.Harris, in Tucker & Harris, Bryologist 83: 18 (1980)
Literature: Aptroot et al., 2007
1216. *Strigula phyllogena* (Müll.Arg.) R.C.Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol. (New York): 159 (1995)
Literature: Papong et al., 2007
1217. *Strigula smaragdula* Fr., Linnaea 5: 550 (1830)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1218. *Strigula subtilissima* (Fée) Müll.Arg., Flora 66: 346 (1883)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Papong et al., 2007
1219. *Syncesia albiseda* (Nyl.) Tehler, Fl. Neotrop. Monogr. 78: 37 (1996)
Literature: Wolseley et al., 2002; Wolseley and Aguirre-Hudson 1997b
1220. *Tapellaria nigrata* (Müll.Arg.) R.Sant., Symb. Bot. Upsal. 12: 499 (1952)
Literature: Papong et al., 2007
1221. *Telochistes flavicans* (Sw.) Norman, Nytt Mag. Naturvidensk. 7: 229 (1853)
Literature: Vainio 1909; Wolseley and Aguirre-Hudson 1995; Wolseley et al., 2002
1222. *Tephromela atra* (Huds.) Hafeller, in Kalb, Lich. Neotrop. Exsicc., 8: 297 (1983)
Literature: Aptroot et al., 2007
1223. *Tephromela bunyana* Kalb & Elix, in Kalb, Biblioth. Lichenol. 88: 319 (2004)
Literature: Kalb et al., 2009
1224. *Tephromela physodica* Kalb, in Türk, John & Hauck (eds), Sauteria 15: 245 (2008)
Literature: Kalb et al., 2009
1225. *Thamnotia vermicularis* (Sw.) Schaer., Enum. Crit. Lich. Eur.: 243 (1850)
Literature: Satô 1962
1226. *Thecaria quassiicola* Fée, Essai Crypt. Écorc. (Paris): 92 (1825) [1824]
Literature: Aptroot et al., 2007; Poengsungnoen et al., 2010
1227. *Thelotrema adjectum* Nyl., Flora 49: 290 (1866)
Literature: Parnmen et al., 2012
1228. *Thelotrema canarense* Patw. & C.R.Kulk., Norweg. J. Bot. 24: 128 (1977)

- Literature: Wolseley et al., 2002
1229. *Thelotrema defossum* (Müll.Arg.) Mangold, Aust. Syst. Bot. 21: 221 (2008)
Literature: Schumm and Aptroot 2012; Papong et al., 2014
1230. *Thelotrema lacteum* Kremp., in Nylander, Flora 47: 269 (1864)
Literature: Wolseley et al., 2002
1231. *Thelotrema lepademersum* Nagarkar, Sethy & Patw., Kavaka 12: 59 (1985)
Literature: Wolseley et al., 2002
1232. *Thelotrema mongkolsukii* Homchant. & Coppins, Lichenologist 34: 130 (2002)
Literature: Yoshimura 1978; Homchantara and Coppins 2002; Wolseley et al., 2002; Papong et al., 2010
1233. *Thelotrema monosporoides* Nyl., Lich. Nov. Zeland. (Paris): 76 (1888)
Literature: Homchantara 1999; Wolseley et al., 2002 as *Ocellularia monosporoides*
1234. *Thelotrema monosporum* Nyl., Ann. Sci. Nat., Bot. 15: 46 (1860)
Literature: Wolseley et al., 2002
1235. *Thelotrema nureliyum* Hale, Bull. Brit. Mus. (Nat. Hist.), Bot. 8: 261 (1981)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002; Parnmen et al., 2012 as *Thelotrema* cf. *nureliyum*
1236. *Thelotrema patwardhanii* (Hale) Rivas Plata & Mangold, in Rivas Plata et al., Lichenologist 42: 184 (2010)
Literature: Yoshimura 1978; Homchantara and Coppins 2002 and Wolseley et al., 2002 as *Myriothea grandisporum*; Papong et al., 2010
1237. *Thelotrema poeltii* Patw. & C.R.Kulk., Norweg. J. Bot. 24: 130 (1977)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1238. *Thelotrema porinoides* Mont. & Bosch, Syll. Gen. Sp. Crypt.: 151 (1855)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1239. *Thelotrema rugatulum* Nyl., Bull. Soc. Linn. Normandie 7: 168 (1873)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1240. *Thelotrema subadjectum* Mangold, Fl. Australia 57: 658 (2009)
Literature: Papong et al., 2014
1241. *Thelotrema turgidulum* (Müll.Arg.) Hale, Mycotaxon 11: 132 (1980)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1242. *Thelotrema weberi* Hale, Phytologia 27: 497 (1974)
Literature: Wolseley et al., 2002
1243. *Tomasellia eschweileri* (Müll.Arg.) R.C.Harris, in Tucker & Harris, Bryologist 83: 19 (1980)
Literature: Aptroot et al., 2007
1244. *Topeliopsis darlingtonii* Frisch & Kalb, Lichenologist 38: 39 (2006)
Literature: Aptroot et al., 2007
1245. *Trapelia coarctata* (Turner ex Sm.) M.Choisy, in Werner, Bull. Soc. Sci. Nat. Phys. Maroc 12: 160 (1932)
Literature: Aptroot et al., 2007
1246. *Trapelia placodioides* Coppins & P. James, Lichenologist 16(3): 257 (1984)

1247. *Trapeliopsis viridescens* (Schard.) Coppins & P.James, Lichenologist 16: 263 (1984)
Literature: Aptroot et al., 2007
1248. *Traponora asterella* Aptroot, in Diederich et al., Biblioth. Lichenol. 64: 199 (1997)
Literature: Aptroot et al., 2007; 2009
1249. *Traponora globosa* Aptroot, Biblioth. Lichenol. 100: 24 (2009)
Literature: Aptroot 2009
1250. *Tricharia demoulinii* Sérus, in Aptroot et al., Biblioth. Lichenol. 64: 200 (1997)
Literature: Papong et al., 2007
1251. *Tricharia vainioi* R.Sant., Symb. Bot. Upsal. 12: 382 (1952)
Literature: Boonpragob et al., 1998; Wolseley et al., 2002
1252. *Trichothelium ake-assii* Becker & Lücking, in Daniels et al., Flechten Follmann: 170 (1995)
Literature: Papong et al., 2007
1253. *Trichothelium alboatrum* Vain., Ann. Acad. Sci. Fenn., Ser. A, 15 : 321 (1921)
Literature: Papong et al., 2007
1254. *Trichothelium bipindense* F.Schill., Hedwigia 67: 278 (1927)
Literature: Papong et al., 2007
1255. *Trichothelium javanicum* (F.Schill.) Vězda, Nova Hedwigia 58 : 139 (1994)
Literature: Papong et al., 2007
1256. *Triclinum cinchonarum* Fée, Essai Crypt. Écorc. (Paris): 148 (1825) [1824]
Literature: Aptroot et al., 2007
1257. *Triclinum sorediatum* Aptroot & Sparrius, in Aptroot et al., Fungal Diversity 24: 122 (2007)
Literature: Aptroot et al., 2007
1258. *Trinathotrema lumbricoides* (Sipman) Sipman & Aptroot, in Lücking, et. al., Biblioth. Lichenol. 106: 199 (2011)
Literature: Vongsheawat et al., 1999; Wolseley et al., 2002 as *Conotrema lumbricoides*
1259. *Trypethelium eluteriae* Spreng., Anleit. Kenntn. Gew. 3: 350 (1804)
Literature: Luangsaphabool et al., 2016; Paulson 1930; Boonpragob et al., 1998; Wolseley et al., 2002; Aptroot and Lücking 2016
1260. *Trypethelium epileucodes* Nyl., Lich. Japon.: 116 (1890)
Literature: Aptroot et al., 2007 as *Trypethelium subnitidiusculum*; Aptroot and Lücking 2016
1261. *Trypethelium platystomum* Mont., Annls Sci. Nat., Bot., sér. 2. 19: 72 (1843)
Literature: Luangsaphabool et al., 2016; Aptroot and Lücking 2016
1262. *Trypethelium subeluteriae* Makhija & Patw., Int. J. Mycol. Lichenol. 5: 245 (1992)
Literature: Luangsaphabool et al., 2016
1263. *Tylophoron moderatum* Nyl., Bot. Zeitung 20: 279 (1862)
Literature: Wolseley and Aguirre-Hudson 1997a, 1997b; Wolseley et al., 2002
1264. *Tylophoron protrudens* Nyl., Ber. Tätigk. St. Gallischen Naturwiss. Ges.: 279 (1862)

- Literature: Aptroot et al., 2007
1265. *Usnea australis* Fr., Syst. Orb. Veg.: 282 (1825)
Literature: Satô 1962; Vainio 1921; Wolseley et al., 2002
1266. *Usnea baileyi* (Stirt.) Zahlbr., Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 83:182 (1909)
Literature: Vainio 1921 as *Eumitria perrubescens*; Satô 1962 as *Usnea implicita*; Yoshimura 1978 as *Usnea baileyi* subsp. *baileyi*; Wolseley et al., 2002
1267. *Usnea baileyi* subsp. *chrysopora* (Stein) Asahina, J. Jap. Bot. 42: 7 (1967)
Literature: Yoshimura 1978; Wolseley et al., 2002
1268. *Usnea baileyi* subsp. *septentrionalis* Asahina, in Hara, Fl. E. Himalaya: 598 (1966)
Literature: Yoshimura 1978; Wolseley et al., 2002
1269. *Usnea cinchonarum* (Fée) Zahlbr., Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 83: 183-185 (1909)
Literature: Vainio 1921
1270. *Usnea dasycera* (Nyl.) Vain., Lich. Gen. Usnea Monogr.: 552 (1938)
Literature: Vainio 1921 as *Usnea perplexans* f. *dasycera*; Wolseley et al., 2002
1271. *Usnea endochroa* var. *papillata* (Vain.) Zahlbr., Cat. Lich. Univ. 6: 564 (1930).
Literature: Vainio 1921 as *Eumitria endochroa* var. *papillata*
1272. *Usnea endorhodina* (Vain.) Zahlbr., Cat. Lich. Univ. 6: 564 (1930).
Literature: Vainio 1921 as *Eumitria endorhodina*; Wolseley et al., 2002
1273. *Usnea florida* (L.) Weber ex F.H.Wigg., Prim. Fl. Holsat. 2: 7 (1780)
Literature: Vainio 1921
1274. *Usnea florida* var. *subcomosa* Vain., Philipp. J. Sci., C 4: 652 (1909).
Literature: Wolseley et al., 2002
1275. *Usnea himantodes* Stirt., Scott. Naturalist 7:75 (1883)
Literature: Yoshimura 1978 as *Usnea neoguineensis* var. *neoguineensis*; Wolseley et al., 2002 as *Usnea neoguineensis* var. *gracilior*
1276. *Usnea hossei* Vain., Ann. Bot. Soc. Zool.-Bot. Fenn. "Vanamo" 1:34 (1921)
Literature: Satô 1962; Vainio 1921; Alava 1988; Wolseley et al., 2002
1277. *Usnea leucospilodea* Nyl., J. Linn. Soc., Bot. 20: 50 (1883)
Literature: Asahina 1969; Yoshimura 1978; Wolseley et al., 2002
1278. *Usnea luridorufa* Stirt., Scott. Naturalist 6: 104 (1881)
Literature: Wolseley et al., 2002
1279. *Usnea neoguineensis* var. *neoguineensis* Asahina, J. Jap. Bot. 43: 496 (1968)
Literature: Yoshimura 1978
1280. *Usnea pectinata* Stirt., Scott. Naturalist 1: 77 (1883)
Literature: Yoshimura 1978; Wolseley et al., 2002
1281. *Usnea perplexans* Stirt., Scott. Naturalist 6: 103 (1881)
Literature: Wolseley et al., 2002
1282. *Usnea rubicunda* Stirt., Naturalist 6:102 (1881)
Literature: Yoshimura 1978; Wolseley et al., 2002
1283. *Vainionora flavidorufa* (Hue) Papong & Lumbsch, Lichenologist 43: 299–320 (2011)

- Literature: Vainio 1921; Wolseley et al., 2002 as *Lecanora lividocarnea* and *Lecanora lividoglauca*; Aptroot et al., 2007 as *Lecanora flavidorufa*; Papong and Lumbsch 2011
1284. *Varicellaria velata* (Turner) Schmitt & Lumbsch, MycoKeys 4: 31 (2012)
Literature: Aptroot et al., 2007 as *Pertusaria velata*
1285. *Verrucaria muralis* Ach., Methodus (Acharius): 115 (1803)
Literature: Aptroot et al., 2007
1286. *Vezdaea stipitata* Poelt & Döbbeler, Lichenologist 9: 170 (1977)
Literature: Aptroot et al., 2007
1287. *Viridothelium virens* (Tuck. ex Michener) Lücking, M.P. Nelsen & Aptroot, in Lücking et al., Lichenologist 48: 759 (2016)
Literature: Luangsaphabool et al., 2017
1288. *Wirthiotrema desquamans* (Müll.Arg.) Lücking, in Sipman et al., Phytotaxa 55 (2012)
Literature: Wolseley et al., 2002 as *Myriotrema desquamans*
1289. *Wirthiotrema glaucopallens* (Nyl.) Rivas Plata & Kalb, in Rivas Plata et al., Lichenologist 42: 198 (2010)
Literature: Yoshimura 1978; Homchantara and Coppins 2002 as *Myriotrema subanamaliense*; Wolseley et al., 2002 as *Thelotrema glaucopallens*; Papong et al., 2010
1290. *Xanthoparmelia australiensis* (Cromb.) Hale, Phytologia 28: 486 (1974)
Literature: Paulson 1930 as *Parmelia australiensis*
1291. *Xanthoparmelia congensis* (J.Steiner) Hale, Phytologia 28: 486 (1974)
Literature: Pooprang et al., 1999; Moon et al., 2000a; Wolseley et al., 2002; Louwhoff et al., 2012
1292. *Xanthoparmelia mougeotina* (Nyl.) D.J.Galloway, New Zealand J. Bot. 18: 538 (1981)
Literature: Pooprang et al., 1999; Wolseley et al., 2002; Louwhoff et al., 2012

New combinations

- Lepra buloloensis* (A.W.Archer, Elix & Streimann) Schmitt & Lumbsch, **comb. nov.** (MB 820271)
Basionym: *Pertusaria buloloensis* A.W. Archer, Mycotaxon 56: 388 (1995).
- Lepra patellifera* (A.W.Archer) Schmitt & Lumbsch, **comb. nov.** (MB 820272)
Basionym: *Pertusaria patellifera* A.W. Archer, Mycotaxon 41: 237 (1991).
- Lepra subventosa* (Malme) Schmitt & Lumbsch, **comb. nov.** (MB 820274)
Basionym: *Pertusaria subventosa* Malme, Ark. Bot. 28A: 7(1936). Syn.: *Marfloraea subventosa* (Malme) S.Y. Kondr., L. Lökös & Hur, in Kondratyuk et al., Stud. Bot. Hungar. 46: 106 (2015).

New records

- Acanthothecis salazinica* S. Joshi & Hur, Lichenologist 45: 600 (2013)

Specimen examined: Thailand, Sukhothai province, Ban Dan Lan Hoi district, on trunk of *Sindora siamensis* Teijsm. ex Miq., in dry dipterocarp forest, 119 m alt., 2015, K. Vongshewarat & S. Senglek RAMK— 30206 & 30207.

Bactrospora metabola (Nyl.) Egea & Torrente, Mycotaxon 53: 58 (1995)

Specimen examined: Thailand, Trat province, Koh chang district, Ban Slak Khok, on trunk of *Rhizophora apiculata* Bl. in mangrove, 0 m alt., 2013, M. Sodamuk & N. Sriwongkorakot RAMK— 23429.

Buellia parastata (Nyl.) Zahlbr., Cat. Lich. Univ. 7: 386 (1930)

Specimens examined: Thailand, Nakhon Ratchasima Province, Khao Yai National Park, on trunk of *Lithocarpus gracilis* (Korth.) Soepadmo in tropical rain forest, 816 m alt., 2000, K. Noicharoen RAMK— 4072; on trunk of unidentified tree in secondary forest, 829 m alt., 1999, V. Sri-indrasutdhi RAMK— 4069; on trunk of unidentified tree in dry evergreen forest, 829 m alt., 1999, W. Polyiam RAMK— 4073.

Diploschistes cinereocaesius (Sw. ex Ach.) Vain., Ann. Acad. Sci. Fenn., ser. A 15(6): 172 (1921)

Specimen examined: Thailand, Mae Hong Son province, Khun Chae National Park, on soil in lower montane scrub, 1830 m alt., 2016, S. Senglek & P. Fuangkeaw RAMK— 30208

Rolfidium coccocarpioides (Nyl.) Timdal, Op. bot. 110: 121 (1991)

Specimens examined: Thailand, Nakhon Ratchasima Province, Sakaerat Environmental Research Station, on sandstone in dry dipterocarp forest, 300 m alt., 2013, W. Polyiam & N. Duangpui RAMK— 27954, 27955 & 27956.

Trapelia placodioides Coppins & P. James, Lichenologist 16: 257 (1984)

Specimen examined: Thailand, Nakhon Ratchasima Province, Khao Yai National Park, Khao Khaeo on rock in lower montane forest, 1,393 m alt., 2001, K. Boonpragob RAMK— 23965

Excluded species based on misidentifications (vouchers studied and reidentified)

Graphis siamensis Vain., Ann. Soc. Zool. Bot. Fenn. "Vanamo" 1(3): 52 (1921) (Wolseley et al., 2002) = *Diorygma hieroglyphicum* (Pers.) Staiger & Kalb, Biblioth. Lichenol. 85: 113 (2002)

Lecanora carpinea (Sriprang and Mongkolsuk 2010) = *Lecanora tropica* Zahlbr., Cat. Lich. Univ. 5: 589 (1928)

Platismatia glauca (Mongkolsuk et al., 1996) = *Parmotrema praesorediosum* (Nyl.) Hale, Phytologia 28: 338 (1974)

Platismatia lacunosa (Mongkolsuk et al., 1996) = *Parmotrema maclayanum* (Müll.Arg.) Hale, Phytologia 28: 337 (1974)

Platismatia tuckermanii (Mongkolsuk et al., 1996) = *Parmotrema explanatum* (Hale) Hale, Phytologia 28: 337 (1974)

Rocella phycopsis (Paulson 1930) = *Rocella montagnei* Bel., Voy. Indes Or. 2: 117 (1834)

Doubtful species

- Amandinea conioys* (Meesim and Mongkolsuk 2010b)
Bacidia spadicea (Sriprang and Mongkolsuk 2010)
Biatora sphaeroides (Sriprang and Mongkolsuk 2010)
Biatora vernalis (Sriprang and Mongkolsuk 2010)
Buellia punctiformis (Vainio 1921)
Byssoloma meadii (Sriprang and Mongkolsuk 2010)
Caloplaca ferruginea (Sriprang and Mongkolsuk 2010)
Haematomma infusum (Sriprang and Mongkolsuk 2010)
Lecidea inolescens Vain., Suom. Elain-ja Kasvit. Seuran Van. Julk. 1: 48 (1921) (Wolseley et al., 2002) Type material unavailable
Physcia americana (Mongkolsuk et al., 1996)
Pyrrhospora gowardiana (Sriprang and Mongkolsuk 2010)
Ramboldia heterocarpa (Sriprang and Mongkolsuk 2010)

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References

- Ahti T, Parnmen S, Mongkolsuk P (2008) Three new species of *Cladonia* from Thailand. *Sau-
 teria* 15: 15–19.
- Alava R (1988) Edvard August Vainio's Types in TUR-V and Other Herbaria, Publications
 from the Herbarium, 2. University of Turku, Turku, 513 pp.
- Aptroot A (2006) Three new species of *Lithothelium* (Pyrenulaceae) from China and Thailand,
 with a revised world key and annotated list of species. *Lichenologist* 38: 541–548. [https://
 doi.org/10.1017/S0024282906005913](https://doi.org/10.1017/S0024282906005913)
- Aptroot A (2009) The lichen genus *Traponora*. *Bibliotheca Lichenologica* 100: 21–30.
- Aptroot A, Lücking R (2016) A first collaborative attempt at a global revision of Trypetheli-
 aceae (Ascomycota: Dothideomycetes: Trypetheliales). *Lichenologist* 48: 607–608. [https://
 doi.org/10.1017/s0024282916000517](https://doi.org/10.1017/s0024282916000517)
- Aptroot A, Lücking R, Sipman HJM, Umaña L, Chaves JL (2008) Pyrenocarpous lichens with
 bitunicate asci A first assessment of the lichen biodiversity inventory in Costa Rica. *Biblio-
 theca Lichenologica* 97: 1–162.
- Aptroot A, Saipunkaew W, Sipman HJM, Sparrius LB, Wolseley PA (2007) New lichens from
 Thailand, mainly microlichens from Chiang Mai. *Fungal Diversity* 24: 75–134.
- Aptroot A, Schumm F, Caceres MES (2012) Six new species of *Pyrenula* from the tropics. *Li-
 chenologist* 44: 611–618. <https://doi.org/10.1017/S0024282912000254>

- Aptroot A, Thor G, Lücking R, Elix JA, Chaves JL (2009) The lichen genus *Herpothallon* reinstated. *Bibliotheca Lichenologica* 99: 19–66.
- Asahina Y (1969) Lichenologische Notizen (215–216). *Journal of Japanese Botany* 44: 33–39.
- Boonpragob K, Homchantara N, Coppins BJ, McCarthy PM, Wolseley PA (1998) An introduction to the lichen flora of Khao Yai National Park, Thailand. *Botanical Journal of Scotland* 50: 209–219. <https://doi.org/10.1080/03746609808684918>
- Boonpragob K, Lumbsch HT, Sipman HJM (2010) ‘Thelotremataceae workshop’, Bangkok 10–15 March 2008. *Lichenologist* 42: 127. <https://doi.org/10.1017/S0024282909990363>
- Brodo IM (2012) IAL7 - a perspective. *IAL Newsletter* 45: 8–9.
- Buaruang K, Mongkolsuk P, Manoch L (2009) Morphology and anatomy of lichen family Parmeliaceae at Phu Hin Rongkla National Park. *Journal of Microscopy Society of Thailand* 23: 20–24.
- Buaruang K, Scharnagl K, Divakar P, Leavitt SD, Crespo A, Nash TH, Manoch L, Lücking R, Lumbsch HT (2015) Molecular data support *Pseudoparmelia* as a distinct lineage related to *Relicina* and *Relicinopsis* (Ascomycota, Lecanorales). *Lichenologist* 47: 43–49. <https://doi.org/10.1017/S0024282914000577>
- Elix JA, Jariangprasert S, Archer AW (2008) New *Pertusaria* (lichenized Ascomycota) from Australia and Thailand. *Telopea* 12: 263–272. <https://doi.org/10.7751/telepea20085815>
- Ertz D (2009) Revision of the corticolous *Opegrapha* species from the Paleotropics. *Bibliotheca Lichenologica* 102: 1–176.
- Gueidan C, Aptroot A, Cáceres MEDS, Binh NQ (2016) Molecular phylogeny of the tropical lichen family Pyrenulaceae: contribution from dried herbarium specimens and FTA card samples. *Mycological Progress* 15: 7. <https://doi.org/10.1007/s11557-015-1154-8>
- Hale ME (1965a) A monograph of *Parmelia* subgenus *Amphigymnia*. *Contributions from the United States National Herbarium* 36: 193–358.
- Hale ME (1965b) Six new species of *Parmelia* from southeast Asia. *Journal of Japanese Botany* 40: 199–205.
- Hale ME (1968) New Parmeliae from Southeast Asia. *Journal of Japanese Botany* 43: 324–327.
- Hale ME (1975) A monograph of the lichen genus *Relicina* (Parmeliaceae). *Smithsonian Contributions to Botany* 26: 1–32. <https://doi.org/10.5479/si.0081024X.26>
- Hale ME (1976a) A monograph of the lichen genus *Bulbothrix* Hale (Parmeliaceae). *Smithsonian Contributions to Botany* 32: 1–29. <https://doi.org/10.5479/si.0081024x.32>
- Hale ME (1976b) A monograph of the lichen genus *Parmelina* Hale (Parmeliaceae). *Smithsonian Contributions to Botany* 33: 1–60. <https://doi.org/10.5479/si.0081024x.33>
- Hale ME (1976c) A monograph of the lichen genus *Pseudoparmelia* Lynge (Parmeliaceae). *Smithsonian Contributions to Botany* 31: 1–62. <https://doi.org/10.5962/bhl.title.122540>
- Homchantara N, Coppins BJ (2002) New species of the lichen family Thelotremataceae in SE Asia. *Lichenologist* 34: 113–140. <https://doi.org/10.1006/lich.2002.0382>
- Jaklitsch WM, Baral HO, Lücking R, Lumbsch HT (2016) Ascomycota. In: Frey W (Ed) *Syllabus of Plant Families - Adolf Engler's Syllabus der Pflanzenfamilien*. Gebr. Borntraeger Verlagsbuchhandlung, Stuttgart, 1–150.
- Jariangprasert S (2006) New taxa of the lichen genus *Pertusaria* (Ascomycota) from Thailand. *Mycotaxon* 96: 109–121.

- Jariangprasert S, Anusarnsunthorn V (2005) Additional new taxa in the lichen genus *Pertusaria* (lichenized Ascomycota) from Thailand. *Mycotaxon* 91: 279–292.
- Jariangprasert S, Archer AW, Anusarnsunthorn V (2004) Further new species in the genus *Pertusaria* (lichenized Ascomycota) from Thailand. *Mycotaxon* 89: 123–129.
- Jariangprasert S, Archer AW, Elix JA, Anusarnsunthorn V (2002) Two new species in the lichen genus *Pertusaria* (Ascomycotina) from Thailand. *Mycotaxon* 83: 353–356.
- Jariangprasert S, Archer AW, Elix JA, Anusarnsunthorn V (2003) New taxa in the lichen genus *Pertusaria* (lichenized ascomycotina) from Thailand. *Mycotaxon* 85: 289–295.
- Jørgensen PM (2000) Notes on some East-Asian species of the lichen genus *Fuscopannaria*. *Journal of the Hattori Botanical Laboratory* 89: 247–259.
- Jørgensen PM, Wolseley PA (2009) *Leioderma solediatum* D. J. Galloway & P. M. Jørg. discovered in Thailand, with a note on the world distribution of *Erioderma mollissimum* (Sampaio) Du Rietz. *Lichenologist* 41: 315–316. <https://doi.org/10.1017/S0024282909008482>
- Kalb J, Boonpragob K, Kalb K (2016a) New *Coenogonium* species (Ostropales: Coenogoniaceae) from Thailand, new reports and a revised key to the species occurring in the country. *Phytotaxa* 283: 101–122. <https://doi.org/10.11646/phytotaxa.283.2.1>
- Kalb J, Polyiam W, Plata ER, Bawingan PA, Kalb K, Lücking R (2016b) ‘Missing links’ alive? Novel taxa represent morphological transitions between distinctive phenotypes among extant Graphidaceae (lichenized Ascomycota: Ostropales). *Phytotaxa* 268: 110–122. <https://doi.org/10.11646/phytotaxa.268.2.2>
- Kalb K (2009) New taxa and new records of thelotremoid Graphidaceae. *Herzogia* 22: 17– 42.
- Kalb K, Archer AW, Sutjaritturakan J, Boonpragob K (2009a) New or otherwise interesting lichens V. *Bibliotheca Lichenologica* 99: 225–246.
- Kalb K, Buaruang K, Mongkolsuk P, Boonpragob K (2012) New or otherwise interesting lichens. VI, including a lichenicolous fungus. *Phytotaxa* 42: 35–47. <https://doi.org/10.11646/phytotaxa.42.1.5>
- Kalb K, Buaruang K, Papong K, Boonpragob K (2009b) New or otherwise interesting lichens from the tropics, including the lichen genus *Ramboldia* in Thailand. *Mycotaxon* 110: 109–123. <https://doi.org/10.5248/110.109>
- Kalb K, Plata ER, Lücking R, Lumbsch TH (2011) The phylogenetic position of *Malmidea*, a new genus for *Lecidea piperis*- and *Lecanora granifera*-groups (Lecanorales, Malmideaceae), inferred from nuclear and mitochondrial ribosomal DNA sequences, with special reference to Thai species. *Bibliotheca Lichenologica* 106: 143–168.
- Kantvilas G, Papong K, Lumbsch HT (2010) Further observations on the genus *Maronina*, with the description of two new taxa from Thailand. *Lichenologist* 42: 557–561. <https://doi.org/10.1017/S0024282910000174>
- Kirika PM, Divarkar PK, Leavitt SD, Buaruang K, Crespo A, Mugambi G, Gatheri GW, Lumbsch HT (2017) The genus *Relicinopsis* is nested within *Relicina* (Parmeliaceae, Ascomycota). *Lichenologist*. [in press]
- Kraichak E, Parnmen S, Lücking R, Lumbsch HT (2013) *Gintarasia* and *Xalocoa*, two new genera to accommodate temperate to subtropical species in the predominantly tropical Graphidaceae (Ostropales, Ascomycota). *Australian Systematic Botany* 26: 466–474.

- Kraichak E, Parnmen S, Lücking R, Rivas-Plata E, Aptroot A, Caceres MES, Ertz D, Mangold A, Mercado-Diaz JA, Papong K, Broeck DVD, Weerakoon G, Lumbsch HT (2014) Revisiting the phylogeny of Ocellularieae, the second largest tribe within Graphidaceae (Lichenized Ascomycota: Ostropales). *Phytotaxa* 189: 52–81. <https://doi.org/10.11646/phytotaxa.189.1.6>
- Kurokawa S (1998) A new record and a new species in *Myelochroa* (Parmeliaceae). *Journal of Japanese Botany* 73: 12–14.
- Lai MJ, Elix JA (2002) A new species of *Cetrelia* (Ascomycotina, Parmeliaceae) from Thailand. *Mycotaxon* 84: 355–360.
- Louwhoff SHJJ, Nimis PL, Wolseley PA, Saipunkaew W (2012) A key to the parmelioid lichens of northern Thailand.
- Luangsaphabool T, Piapukiew J, Parnmen S, Nelsen MP, Lumbsch HT, Sangvichien E (2016) Diversity of the *Trypethelium eluteriae* group in Thailand (Ascomycota, Trypetheliales). *Lichenologist* 48: 53–60. <https://doi.org/10.1017/S0024282915000444>
- Luangsaphabool T, Piapukiew J, Lumbsch HT, Sangvichien E (2017) First record of *Viridothelium virens* (Trypetheliales, Ascomycota) in the Southeast Asian tropics. *Herzogia* (in review).
- Lücking R, Hodgkinson BP, Leavitt SD (2016) The 2016 classification of lichenized fungi in the Ascomycota and Basidiomycota – Approaching one thousand genera. *Bryologist* 119: 361–416. <https://doi.org/10.1639/0007-2745-119.4.361>
- Lücking R, Mangold A, Rivas Plata E, Parnmen S, Kraichak E, Lumbsch TH (2015) Morphology-based phylogenetic binning to assess a taxonomic challenge: a case study in Graphidaceae (Ascomycota) requires a new generic name for the widespread *Leptotrema wirthii*. *Botanical Journal of the Linnean Society* 436: 436–443. <https://doi.org/10.1111/boj.12327>
- Lücking R, Sutjaritturakan J, Kalb K (2012) Validation of three species names and description of a new species in the genus *Graphis* (Ascomycota: Ostropales: Graphidaceae). *Lichenologist* 44: 391–394. <https://doi.org/10.1017/s0024282911000855>
- Lumbsch HT (2000) Phylogeny of filamentous ascomycetes. *Naturwissenschaften* 87: 335–342. <https://doi.org/10.1007/s001140050736>
- Lumbsch HT, Ahti T, Altermann S, De Paz GA, Aptroot A, Arup U, Pena AB, Bawingan PA, Benatti MN, Betancourt L, Bjork CR, Boonpragob K, Brand M, Bungartz F, Caceres MES, Candan M, Chaves JL, Clerc P, Common R, Coppins BJ, Crespo A, Dal-Forno M, Divakar PK, Duya MV, Elix JA, Elvebakk A, Fankhauser JD, Farkas E, Ferraro LI, Fischer E, Galloway DJ, Gaya E, Giralte M, Goward T, Grube M, Hafellner J, Hernandez JE, Campos M, Kalb K, Karnefelt I, Kantvilas G, Killmann D, Kirika P, Knudsen K, Komposch H, Kondratyuk S, Lawrey JD, Mangold A, Marcelli MP, Mccune B, Messuti MI, Michlig A, Gonzalez RM, Moncada B, Naikatini A, Nelsen MP, Ovstedal DO, Palice Z, Papong K, Parnmen S, Perez-Ortega S, Printzen C, Rico VJ, Plata ER, Robayo J, Rosabal D, Ruprecht U, Allen NS, Sancho L, De Jesus LS, Vieira TS, Schultz M, Seaward MRD, Serusiaux E, Schmitt I, Sipman HJM, Sohrabi M, Sochting U, Sogaard MZ, Sparrius LB, Spielmann A, Spribille T, Sutjaritturakan J, Thammathaworn A, Thell A, Thor G, Thus H, Timdal E, Truong C, Turk R, Tenorio LU, Upreti DK, Van den Boom P, Reubelta MV, Wedin M, Will-Wolf S, Wirth V, Wirtz N, Yahr R, Yeshitela K, Ziemmeck F, Wheeler T, Lücking R

- (2011) One hundred new species of lichenized fungi: a signature of undiscovered global diversity. *Phytotaxa* 18: 1–127. <https://doi.org/10.11646/phytotaxa.18.1.1>
- Lumbsch HT, Huhndorf SM (2010) Myconet Volume 14. Part One. Outline of Ascomycota - 2009. *Fieldiana (Life and Earth Sciences)* 1: 1–42. <https://doi.org/10.3158/1557.1>
- Lumbsch HT, Parnmen S, Kraichak E, Papong KB, Lücking R (2014) High frequency of character transformations is phylogenetically structured within the lichenized fungal family Graphidaceae (Ascomycota: Ostropales). *Systematics and Biodiversity* 12: 271–291. <https://doi.org/10.1080/14772000.2014.905506>
- McCarthy PM (1999) Three new species of *Porina* (Trichotheliaceae) from Thailand. *Lichenologist* 31: 239–246. <https://doi.org/10.1017/S0024282999000341>
- Medeiros ID, Kraichak E, Lücking R, Mangold A, Lumbsch HT (2017) Assembling a taxonomic monograph of tribe Wirthiotremateae (Lichenized Ascomycota: Ostropales: Graphidaceae). *Fieldiana, Life and Earth Sciences* 9: 1–31.
- Meesim S, Mongkolsuk P (2010a) Foliose lichens of family Physciaceae at Phu Luang Wildlife Sanctuary, Loei province. *Thai Journal of Botany* 2: 55–64.
- Meesim S, Mongkolsuk P (2010b) Study on the crustose lichens of family Physciaceae in Thailand. *Thai Journal of Botany* 2: 65–72.
- Mongkolsuk P, Buaruang K, Vongshewarat K, Doodurm C, Dangphui N, Poengsungnoen V, Sriprang V, Meesim S, Parnmen S, Sodamuk M (2013) Biodiversity of lichen in Phu Luang Wildlife Sanctuary, Loei province. *Thai Journal of Botany* 5: 19–30.
- Mongkolsuk P, Meesim S (2012) Biodiversity of lichen family Physciaceae (Lichenized Ascomycota) in Phu Luang Wildlife Sanctuary, Loei Province, Thailand. *Ramkhamhaeng University Research Journal of Sciences and Technology* 15: 69–83.
- Mongkolsuk P, Meesim S, Poengsungnoen V, Buaruang K, Schumm F, Kalb K (2015) The lichen family Physciaceae in Thailand - II. The genus *Heterodermia* sensu lato. *Phytotaxa* 235: 1–66. <https://doi.org/10.11646/phytotaxa.235.1.1>
- Mongkolsuk P, Meesim S, Poengsungnoen V, Kalb K (2012) The lichen family Physciaceae in Thailand - I. The genus *Pyxine*. *Phytotaxa* 59: 32–54. <https://doi.org/10.11646/phytotaxa.59.1.2>
- Mongkolsuk P, Poengsungnoen V (2012) The lichen family Graphidaceae, Natural Art. Nobel Print, Phayathay, Bangkok, 195 pp.
- Moon KH, Kurokawa S, Kashiwadani H (2000a) A list of Thailand species of *Parmelia* (sens. lat.) preserved in the National Science Museum. In: Matsuura KE (Ed) The first and second symposia on collection building and natural history studies in Asia. National Science Museum Monographs, 97–106.
- Moon KH, Kurokawa S, Kashiwadani H (2000b) A new species of *Hypotrachyna* (Lichenized Ascomycetes, Parmeliaceae) from Thailand. *Bulletin of the National Science Museum (Tokyo), Series B (Botany)* 26: 135–138.
- Nakanishi M, Kashiwadani H, Moon KH (2001) Notes on the genera *Graphina* and *Graphis* (Graphidaceae) in Thailand. *Bulletin of the National Science Museum (Tokyo), Series B (Botany)* 27: 47–55.
- Naksuwankul K, Kraichak E, Parnmen S, Lücking R, Lumbsch HT (2016) Five new species of Graphidaceae (Ascomycota, Ostropales) from Thailand. *MycoKeys* 17: 47–63. <https://doi.org/10.3897/mycokeys.17.10512>

- Nelsen MP, Lücking R, Plata ER, Mbatchou JS (2010) *Heiomasia*, a new genus in the lichen-forming family Graphidaceae (Ascomycota: Lecanoromycetes: Ostropales) with disjunct distribution in Southeastern North America and Southeast Asia. *Bryologist* 113: 742–751. <https://doi.org/10.1639/0007-2745-113.4.742>
- Neuwirth G, Stocker-Wörgötter E, Boonpragob K, Saipunkaew W (2014) *Coenogonium coronatum* (Ostropales: Coenogoniaceae), a new foliicolous species from Thailand, ecological aspects and a key to the species occurring in the country. *Bryologist* 117: 161–164. <https://doi.org/10.1639/0007-2745-117.2.161>
- Noicharoen K, Polyiam W, Boonpragob K, Elix JA, Wolseley PA (2003) New species of *Parmotrema* and *Relicina* (Ascomycota, Parmeliaceae) from Thailand. *Mycotaxon* 85: 325–330.
- Ohmura Y, Frisch A, Lendemer JC, Nakanishi M (2016) Lichens of Mikura-jima Island, Izu Islands, Central Japan. *Bull Natl Mus Nat Sci, Ser B* 42: 1–18.
- Orange A, Wolseley PA (2005) Two new thamnolic acid-containing *Lepraria* species from Thailand. *Lichenologist* 37: 247–250. <https://doi.org/10.1017/S0024282905015136>
- Papong K, Boonpragob K, Lücking R (2007) New species and new records of foliicolous lichens from Thailand. *Lichenologist* 39: 47–56. <https://doi.org/10.1017/S0024282906006104>
- Papong K, Boonpragob K, Lumbsch HT (2009a) Additional lichen records from Thailand 1. *Loxospora lecanoriformis* (Sarrameanaceae). *Australasian Lichenology* 65: 50–53.
- Papong K, Boonpragob K, Lumbsch HT (2011a) A new species and new records of *Lecanora* (Lecanoraceae, Ascomycota) from south-east Asia. *Lichenologist* 43: 47–50. <https://doi.org/10.1017/S0024282910000496>
- Papong K, Boonpragob K, Mangold A, Divakar PK, Lumbsch TH (2010) Thelotremoid lichen species recently described from Thailand: a re-evaluation. *Lichenologist* 42: 131–137. <https://doi.org/10.1017/S002428290990405>
- Papong K, Kantvilas G, Lumbsch TH (2011b) Morphological and molecular evidence places *Maronina* into synonymy with *Protoparmelia* (Ascomycota: Lecanorales). *Lichenologist* 43: 561–567. <https://doi.org/10.1017/S0024282911000284>
- Papong K, Lücking R, Thammathaworn A, Boonpragob K (2009b) Four new taxa of *Chroodiscus* (thelotremoid Graphidaceae) from Southeast Asia. *Bryologist* 112: 152–163. <https://doi.org/10.1639/0007-2745-112.1.152>
- Papong K, Lumbsch TH (2011) A taxonomic survey of *Lecanora* sensu stricto in Thailand (Lecanoraceae; Ascomycota). *Lichenologist* 43: 299–320. <https://doi.org/10.1017/S0024282911000247>
- Papong K, Thammathaworn A, Boonpragob K (2008) *Rolueckia* (Ostropales: Gomphillaceae), a new genus of foliicolous lichens. *Nova Hedwigia* 86: 201–208. <https://doi.org/10.1127/0029-5035/2008/0086-0201>
- Papong KB, Mangold A, Lücking R, Lumbsch TH (2014) New species and new records of thelotremoid Graphidaceae (Ascomycota: Ostropales) from Thailand. *Phytotaxa* 189: 232–244. <https://doi.org/10.11646/phytotaxa.189.1.16>
- Parnmen S, Lücking R, Lumbsch HT (2012) Phylogenetic classification at generic level in the absence of distinct phylogenetic patterns of phenotypic variation: A case study in Graphidaceae (Ascomycota). *PLoS One* 7(12): e51392. <https://doi.org/10.1371/journal.pone.0051392>
- Parnmen S, Rangsiruji A, Mongkolsuk P, Ahri T (2008) Phylogenetics of lichens in the genus *Cladonia* (Cladoniaceae) in northern and northeastern Thailand. *Sauteria* 15: 385–402.

- Paulson R (1930) Lichens from Kaw Tao, an island in the Gulf of Siam. *Journal of the Siam Society, Natural History Supplement* 8: 99–101.
- Pitakpong A, Kraichak E, Papong KB, Muangsan N, Suwanwaree P, Lumbsch HT, Lücking R (2015) New species and records of the lichen genus *Graphis* (Graphidaceae, Ascomycota) from Thailand. *Lichenologist* 47: 335–342. <https://doi.org/10.1017/S0024282915000213>
- Poengsungnoen V, Manoch L, Mongkolsuk P, Boonpragob K, Parnmen S, Lücking R, Tehler A, Lumbsch TH (2014a) Phylogenetic analysis reveals two morphologically unique new species in the genera *Astrochapsa* and *Nitidochapsa* (lichenized Ascomycota: Graphidaceae). *Phytotaxa* 189: 268–281. <https://doi.org/10.11646/phytotaxa.189.1.19>
- Poengsungnoen V, Manoch L, Mongkolsuk P, Kalb K (2014b) New species of Graphidaceae from Loei Province, Thailand. *Phytotaxa* 189: 255–267. <https://doi.org/10.11646/phytotaxa.189.1.18>
- Poengsungnoen V, Mongkolsuk P, Boonpragob K, Manoch L (2010) Diversity of the lichen family Graphidaceae in Phu Luang Wildlife Sanctuary, Loei province. *Thai Journal of Botany* 2: 73–79. https://doi.org/10.1007/978-3-642-02167-1_10
- Pooprang T, Boonpragob K, Elix JA (1999) New species and new records in the lichen family Parmeliaceae (Ascomycotina) from Thailand. *Mycotaxon* 71: 111–127.
- Printzen C (2010) Lichen Systematics: The role of morphological and molecular data to reconstruct phylogenetic relationships. *Progress in Botany* 71: 233–275.
- Rangsiruji A, Boonpragob K, Mongkolsuk P, Sodamuk M, Buaruang K, Binchai S, Lumbsch HT, Parnmen S (2016) Diversity and phylogenetic survey of cyanobacterial lichens (Collematineae, Ascomycota) in mangrove forests of eastern Thailand. *Bryologist* 119: 123–130. <https://doi.org/10.1639/0007-2745-119.2.123>
- Rivas Plata E, Lücking R, Lumbsch TH (2012a) Molecular phylogeny and systematics of the *Ocellularia* clade (Ascomycota: Ostropales: Graphidaceae). *Taxon* 61: 1161–1179.
- Rivas Plata E, Lücking R, Lumbsch TH (2012b) A new classification for the family Graphidaceae (Ascomycota: Lecanoromycetes: Ostropales). *Fungal Diversity* 52: 107–121. <https://doi.org/10.1007/s13225-011-0135-8>
- Saipunkaew W, Wolseley PA, Chimonides PJ, Boonpragob K (2007) Epiphytic macrolichens as indicators of environmental alteration in northern Thailand. *Environmental Pollution* 146: 366–374. <https://doi.org/10.1016/j.envpol.2006.03.044>
- Satô M (1962) Lichens of Doi Inthanon and Doi Suthep, northwestern Thailand. *Nature and Life in Southeast Asia* 2: 1–4.
- Schumm F, Aptroot A (2012) A microscopical atlas of some tropical lichens from SE-Asia (Thailand, Cambodia, Philippines, Vietnam). Privately published, Norderstedt, 881 pp.
- Sodamuk M, Boonpragob K, Mongkolsuk P, Tehler A, Leavitt SD, Thorsten Lumbsch HT (2017) *Kalbionora palaeotropica*, a new genus and species from coastal forests in South-east Asia and Australia (Malmideaceae, Ascomycota). *MycoKeys* 22: 15–25. <https://doi.org/10.3897/mycokeys.22.12528>
- Sparrius LB, Saipunkaew W (2005) *Cryptothecia punctosorediata*, a new species from northern Thailand. *Lichenologist* 37: 507–509. <https://doi.org/10.1017/S0024282905015495>

- Sparrius LB, Saipunkaew W, Wolseley PA, Aptroot A (2006) New species of *Bactrospona*, *Enterographa*, *Graphidastra* and *Lecanographa* from northern Thailand and Vietnam. *Lichenologist* 38: 27–36. <https://doi.org/10.1017/S0024282905005414>
- Sriprang V, Mongkolsuk P (2010) Discolichens at Phu Luang Wildlife Sanctuary, Loei province. *Thai Journal of Botany* 2: 47–53.
- Sutjaritturakan J, Kalb K (2015) *Ocellularia* (Ascomycota: Ostropales) – three new species, a new record and a key for all species so far recorded for Thailand. *Herzogia* 28: 545–555. <https://doi.org/10.13158/heia.28.2.2015.545>
- Sutjaritturakan J, Saipunkaew W, Boonpragob K, Kalb K (2014) New species of Graphidaceae (Ostropales, Lecanoromycetes) from southern Thailand. *Phytotaxa* 189: 312–324. <https://doi.org/10.11646/phytotaxa.189.1.22>
- Takhtajan A (1986) Floristic regions of the world. University of California Press, Berkeley, 522 pp.
- Vainio EA (1907) Lichenes novi rarioresque, IV. *Hedwigia* 46: 168–181.
- Vainio EA (1909) Lichenes. In Schmidt J (Ed.) *Flora of Koh Chang; Contribution to the knowledge of the vegetation of the Gulf of Siam*. *Botanisk Tidskrift* 29: 104–151.
- Vainio EA (1921) Lichenes in summo monte Doi Sutep (circ. 1675 m.s.m.) in Siam boreali anno 1904 a D:re C.C. Hosseo collecti. *Annales Societatis Zoologicae-Botanicae Fennicae* “Vanamo” 1: 33–55.
- van den Boom PPG, Giralt M, Moberg R (2014) Lichen diversity of Physciaceae from Thailand. *Graphis Scripta* 26: 54–62.
- Vongshewarat K, McCarthy PM, Mongkolsuk P, Boonpragob K (1999) Additions to the lichen flora of Thailand. *Mycotaxon* 70: 227–236.
- Wolseley PA, Aguirre-Hudson B (1995) Key to lichen genera in Thailand with special reference to epiphytic taxa, part I: Macrolichens. *Natural History Bulletin of the Siam Society* 43: 303–335.
- Wolseley PA, Aguirre-Hudson B (1997a) The ecology and distribution of lichens in tropical deciduous and evergreen forests of northern Thailand. *Journal of Biogeography* 24: 327–343. <https://doi.org/10.1046/j.1365-2699.1997.00124.x>
- Wolseley PA, Aguirre-Hudson B (1997b) Fire in tropical dry forests: corticolous lichens as indicators of recent ecological changes in Thailand. *Journal of Biogeography* 24: 345–362. <https://doi.org/10.1046/j.1365-2699.1997.00125.x>
- Wolseley PA, Aguirre-Hudson B, McCarthy PM (2002) Catalogue of the lichens of Thailand. *Bulletin of the Natural History Museum, London (Botany)* 32: 13–59. <https://doi.org/10.1017/s0968044602000038>
- Wolseley PA, Moncrieff C, Aguirre-Hudson B (1994) Lichens as indicators of environmental stability and change in the tropical forests of Northern Thailand. *Global Ecology and Biogeography Letters* 4: 116–123. <https://doi.org/10.2307/2997437>
- Yoshimura I (1978) Some lichens of Thailand collected by Danish botanists, 1958–68. *Bulletin of the Kochi Gakuen Junior College* 9: 35–40.

