

Preliminary checklist of the lichenicolous fungi of Italy

Version 2015

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The investigation of the lichenicolous fungi of Italy began in the second half of the 19th century with the works of Anzi, Baglietto, Carestia, De Notaris, Jatta, Massalongo and in Südtirol, now belonging to Italy, of Arnold and Kernstock. Like in other countries a long gap followed, till from the end of the 20th century Hafellner, Nimis, Puntillo, Tretiach and several others included lichenicolous fungi in the investigations on lichens. From 2006 the author initiated a systematical study on the lichenicolous fungi of Italy, starting in Sicilia. Up to now the regions Sicilia, Calabria, Puglia, Basilicata, Abruzzo, Sardegna, Lazio, Umbria, Marche, Toscana and parts of Lombardia, Trentino-Alto Adige, Veneto and Friuli-Venezia Giulia were visited.

A comprehensive catalogue of the lichenicolous fungi of Italy is in preparation, but as it will not appear before the investigation of the missing regions was done, this will last some years. As until now no list of lichenicolous fungi of Italy exists, I here present this preliminary version.

This checklist comprises 525 species of lichenicolous fungi. Only non lichenized fungi and those with a strongly reduced thallus are listed here. For lichenicolous lichens see NIMIS & MARTELOS 2008 or the checklist of lichens (in preparation). Already published papers of the author are abbreviated with "B" for "Brackel".



Fig. 1: The regions of Italy and the numbers of reported species.

***Abrothallus acetabuli* Diederich**

BAS: B 2011a, **EMI:** B 2015a; **SAR:** BRACKEL in prep.

***Abrothallus bertianus* De Not.**

ABR: B 2015a; **LIG:** DE NOTARIS 1845: 352, MASSALONGO 1852: 88; **LOM:** B 2010d; **SIC:** B 2008b; **TOS:** B 2015a; **TAA:** KERNSTOCK 1896: 302 (as *A. parmeliarum* on *Imbricaria prolixa* = *Xanthoparmelia pulla*), LETTAU 1958: 141, KOTTE 1909: 80.

***Abrothallus bryoriarum* Hafellner**

TAA: HAFELLNER 1994b.

***Abrothallus buellianus* De Not.**

EMI: DE NOTARIS 1846: 193, MASSALONGO 1852: 88; **SAR:** BRACKEL in prep.

***Abrothallus caerulescens* I. Kotte**

CAL: BRACKEL & PUNTILLO in prep.; **LOM:** B 2008b, **SIC:** B 2013b, **TOS:** B 2015a, **TAA:** KERNSTOCK 1890:322 (as *A. parmeliarum* on *Imbricaria conspersa*).

***Abrothallus cetrariae* I. Kotte**

TAA: KOTTE 1909.

***Abrothallus chrysanthus* Stein**

TAA: STEIN 1879: 211.

***Abrothallus cladoniae* R. Sant. & D. Hawksw.**

LOM: B 2013b, **UMB:** B 2015a.

***Abrothallus microspermus* Tul. (1852)**

SACCARDO 1889: 740, JATTA 1909-1911: 767¹. **PIE:** BAGLIETTO & CARESTIA 1865-1867: 404, 1880: 351; **TOS:** B 2015a; **VEN**¹.

***Abrothallus nephromatis* Suija & Pèrez-Ortega**

SUIJA et al. 2015 without further notes.

***Abrothallus parmeliarum* (Sommerf.) Arnold**

JATTA 1909-1911: 766: "Ad thallum *Cetrariae* et *Parmeliae* parasiticus totam per Italiam haud rarus" (used in a wide sense, including *A. bertianus*, *A. buellianus*, *A. cetrariae*). The following records refer only to those on hosts of the genera *Parmelia* and *Punctelia*. **FVG**: HAFELLNER 1998c; **LOM**: ANZI 1860: 116 (as *A. smithii* on *Parmelia saxatilis*), BSM 2006-2012; **PIE**: BAGLIETTO & CARESTIA 1865-1867: 404, 1880: 351, BSM 2006-2012; **PUG**: JATTA 1875: 238; **SIC**: B 2008b; **TAA**: ARNOLD 1887a: 89, BSM 2006-2012; **VEN**: MASSALONGO 1852: 88 (as *A. buellianus* on *Parmelia saxatilis*).

***Abrothallus peyritschii* (Stein) C. Kotte**

LOM: ANZI 1860: 116 (as *A. smithii* on *Cetraria pinastri* "*prunastrii*"); **PIE**: BAGLIETTO & CARESTIA 1880 (as *A. parmeliarum* on *Cetraria pinastri*), BAGLIETTO & CARESTIA 1865-1867: 404 (as *A. smithii* on *Cetraria pinastri*); **TAA**: KERNSTOCK 1890: 331, 1892b: 349 (as *A. smithii* / *A. parmeliarum* on *Platysmatis pinastri*), KOTTE 1909: 76, KEISSLER 1930: 212, BSM 2006-2012; **VEN**: B 2013b.

***Abrothallus prodiens* (Harm.) Diederich & Hafellner**

VEN: B 2013b.

***Abrothallus teloschistis* Brackel, Pérez-Ortega & Suija**

TOS: B 2015a.

***Abrothallus usneae* Rabenh.**

JATTA 1909-1911: 767¹. **PIE**: BAGLIETTO & CARESTIA 1880: 351; **SAR**¹; **VEN**¹: B 2013b.

***Acremonium pertusariae* Brackel & Etayo**

BAS: BRACKEL et al. 2012; **LAZ**: B 2015a; **TOS**: B 2015a.

***Acremonium rhabdosporum* W. Gams**

SIC: B 2008b.

***Acremonium spegazzinii* D. Hawksw.**

TOS: B 2015a.

***Actinocladium rhodosporum* Ehrenb.**

LOM: B 2013b; **TOS**: B 2015a.

***Adelococcus alpestris* (Zopf) Theiss. & Sydow**

TAA: ZOPF 1896: 314, HAFELLNER 1985a, MATZER & HAFELLNER 1990: 37.

***Adelococcus interlatens* (Arnold) Matzer & Hafellner**

TAA: ARNOLD 1879a: 364, MATZER & HAFELLNER 1990: 44, BSM 2006-2012.

***Ampullifera foliicola* Deight.**

CAL: PUNTILLO 2000, PUNTILLO et al. 2000.

***Arthonia almquistii* Vain.**

TOS: B 2015a.

***Arthonia apotheciorum* (A. Massal.) Almq.**

JATTA 1909-1911: 752: "In apotheciis *Lecanorae galactinae* Ach. [= *L. albescens*] parasitica totam per Italiam". **SIC**: NIMIS et al. 1994 (as *A. clemens* on *Lecanora albescens*); **VEN**: MASSALONGO 1852: 26 (as *Sphaeria apotheciorum* on *Lecanora saxicola*).

***Arthonia clemens* (Tul.) Th. Fr. s.str.**

JATTA 1909-1911: 751¹ (on *Rhizoplaca chrysoleuca* and *Lecanora muralis*, so under inclusion of *A. subvarians* and/or *A. protoparmeliopseos*). **BAS**¹; **CAL**¹; **LOM**¹; **TOS**¹; **VEN**¹.

***Arthonia coronata* Etayo**

TOS: ETAYO 2002b, SVENSSON & WESTBERG 2010, B 2015a.

***Arthonia destruens* Rabenh.**

ABR: B 2015a; **MAR**: B 2015a; **SIC**: B 2008b.

***Arthonia digitatae* Hafellner**

TOS: B 2015a.

***Arthonia diploiciae* Calatayud & Diederich**

CAM: PUNTILLO & BRACKEL in prep.; **SAR**: NIMIS & POELT 1987 (as *Arthonia* sp. on *Diploicia canescens*), RIZZI et al. 2011.

***Arthonia epiphyscia* Nyl.**

ABR: B 2015a; **CAL**: BRACKEL & PUNTILLO in prep.; **TOS**: TRETACH et al. 2008.

***Arthonia excentrica* Th. Fr.**

EMI: TRETACH et al. 2008.

***Arthonia galactinaria* Leight.**

SIC: VAN DEN BOOM 1992, B 2008a, B 2008b; **TOS:** B 2015a; **ABR:** NIMIS & TRETACH 1999 (as *A. clemens* on *Lecanora dispersa*); **PUG:** NIMIS & TRETACH 1999 (as *A. clemens* on *L. dispersa*); **TAA:** LETTAU 1958: 140 (as *Conida clemens* on *L. dispersa*).

***Arthonia insitiva* (Flot.) Clauzade & Cl. Roux**

PIE: BAGLIETTO & CARESTIA 1880: 352 (as *Celidiopsis insitiva*);
TAA: CLAUZADE et al. 1989.

***Arthonia intexta* Almq.**

ABR: NIMIS & TRETACH 1999; **LOM:** HERTEL 1969b; **SAR:** NIMIS & POELT 1987; **SIC:** B 2008a; **TOS:** BENESPERI et al. 2007; **TAA:** ARNOLD 1887a: 136, 148 (as *Cercidospora trigemmis* Stizb. on *Lecidea enteroleuca atrosanguinea*, *Cercidospora* sp. on *Lecidea parasema*), HERTEL 1969b, BSM 2006-2012; **VEN:** HERTEL 1969b.

***Arthonia lepidophila* (Anzi) Clauzade et al. ined.**

Older records as *Abrothallus lepidophilus*. **LOM:** ANZI 1868a: 177, JATTA 1909-1911: 766, SACCARDO 1892: 76, BSM 2006-2012.

***Arthonia molendoi* (Heufl. ex Frauenf.) R. Sant.**

ABR: NIMIS & TRETACH 1999, B 2015a; **BAS:** B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **MAR:** B 2015a; **SAR:** BRACKEL in prep. **SIC:** B 2008a; **TAA:** ARNOLD 1864b; **TOS:** B 2008 c; **UMB:** B 2015a.

***Arthonia phaeophysciae* Grube & Matzer**

FVG: B 2013b.

***Arthonia punctella* Nyl. in Carrol**

TAA: BSM 2006-2012.

***Arthonia rangiformicola* Brackel & Etayo**

ABR: B 2015a.

***Arthonia squamarinae* Etayo**

TOS: B 2015a.

***Arthonia subfuscicola* (Linds.) Triebel**

ABR: B 2015a; **LAZ:** B 2015a; **PIE:** BAGLIETTO & CARESTIA 1880: 351; **PUG:** B 2011; **SIC:** B 2008b.

***Arthonia subvarians* Nyl.**

Older records as *Conida subvarians*. JATTA 1909-1911: 752¹. **LOM**¹: B 2013b; **PIE:** BAGLIETTO & CARESTIA 1880: 352 (as *Conida subvarians* f. *clemens* on *Lecanora muralis*); **PUG:** Jatta 1880: 212, 1882: 139 (as *Conida clemens* on *Placodium saxicola* = *Lecanora muralis*); **TOS:** NIMIS et al. 1990 (as *Arthonia clemens* auf *Lecanora muralis*); **TAA:** ARNOLD 1876c: 411, 414, 1879a: 368, KERNSTOCK 1890: 335, 1891: 737, 1895: 203, BSM 2006-2012.

***Arthonia urceolata* (Elenkin) V.J. Rico, Calat. & Barreno**

Possibly: JATTA 1909-1911: 760 (as *A. glaucomarina*): "in thallo *Aspicilliae calcareae* L. in Etruria et in Campania".

***Arthonia varians* (Davies) Nyl.**

Older records as *A. glaucomarina*, *Celidium grumosum*, *Celidium varians*. JATTA 1909-1911: 760¹. **BAS:** NIMIS & TRETACH 1999; **CAL:** PUNTILLO 1996; **CAM**¹: JATTA 1892: 210; **EMI:** TRETACH et al. 2008; **FVG:** TRETACH 1993, TRETACH & HAFELLNER 2000; **LAZ:** NIMIS et al. 1987: 18; **LOM**¹: ?ANZI 1860: 117 (as *Celidium sordidum*), 1864: 28, BSM 2006-2015; **MOL:** NIMIS & TRETACH 1999, BSM 2006-2015; **PUG**¹: JATTA 1909-11: 760; **SAR**¹: NIMIS & POELT 1987, BSM 2006-2015, RIZZI et al. 2011; **SIC:** GRILLO & CANIGLIA 1989: 25, BSM 2006-2015, B 2008a, B 2008b; **TOS**¹: BAGLIETTO 1871: 273, NIMIS et al. 1990; **TAA:** ARNOLD 1887a: 103, 126, 1872b: 301, KERNSTOCK 1891: 737, 1892b: 349, 1895: 203, 219, LETTAU 1958: 139, BSM 2006-2015; **VEN:** MASSALONGO 1952: 4, HAFELLNER & SANCHO 1990.

***Arthrophacopsis parmeliarum* Hafellner**

FVG: HAFELLNER 1998c.

***Arthrorhaphis aeruginosa* R. Sant. & Tønsberg**

ABR: B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **CAM:** PUNTILLO & BRACKEL in prep; **LOM:** B 2010d; **PIE:** MOTIEJUNAITÉ & GROCHOWSKI 2014; **TOS:** B 2015a; **TAA:** B 2013b; **UMB:** B 2015a.

***Asteroglobolus giselae* Brackel**

BAS: BRACKEL 2011a; **SIC:** BRACKEL 2011a.

***Asterophoma mazaediicola* D. Hawksw.**

TAA: HAWKSWORTH 1981a.

***Athelia arachnoidea* (Berk.) Jülich**

ABR: B 2015a; **BAS:** B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **MAR:** B 2015a; **LOM:** B 2010d, B 2013b; **PUG:** B 2011a; **SAR:** BRACKEL in prep.; **SIC:** B 2008b; **UMB:** B 2015a.

***Bacidia killiasii* (Hepp) D. Hawksw.**

TAA: KERNSTOCK 1892a: 325 (as *Bilimbia sabuletorum* f. *Killiasii* Hepp), KEISSLER 1930.

***Bellemerella trapeliae* Nav.-Ros. & Cl. Roux**

TOS: B 2015a.

***Biatoropsis usnearum* Räsänen**

CAL: PUNTILLO 2011, BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **TOS:** B 2015a; **TAA:** DIEDERICH & CHRISTIANSEN 1994, DIEDERICH 1996, SANTESSON 1994b, BSM 2006-2012, B 2013b.

***Briancoppinsia cytopora* (Vouaux) Diederich, Ertz, Lawrey & van den Boom**

BAS: B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **LOM:** B 2010d; **PIE:** MOTIEJUNAITÉ & GROCHOWSKI 2014; **SAR:** NIMIS & POELT 1987; **TOS:** B 2015a.

***Buelliella minimula* (Tuck.) Fink ex Hafellner**

MAR: B 2015a.

***Buelliella physciicola* Poelt & Hafellner**

LIG: HAFELLNER 1995a.

***Burgoa angulosa* Diederich, Lawrey & Etayo**

CAL: BRACKEL & PUNTILLO in prep.

***Calongeomyces gibelluloides* (D. Hawksw. & Etayo) D. Hawksw. & Etayo**

CAL: BRACKEL & PUNTILLO in prep.; **LOM:** B 2013b.

***Capronia peltigerae* (Fuckel) D. Hawksw.**

TOS: B 2015a, cf.

***Capronia triseptata* (Diederich) Etayo**

PUG: NIMIS & TRETACH 1999; **TOS:** B 2015a.

***Carbonea aggregantula* (Müll. Arg.) Diederich & Triebel**

Older records as *Lecidea aggregantula*. **FVG:** TRETACH & HAFELLNER 2000; **TAA:** KERNSTOCK 1895: 203, HAFELLNER 1996b, HAFELLNER 2006, BSM 2006-2011.

***Carbonea intrudens* (H. Magn.) Hafellner**

EMI: HAFELLNER 2006; **FVG:** Tretiach & Hafellner 2000; **PIE:** HAFELLNER 2006; **TAA:** HAFELLNER 2006.

***Carbonea supersparsa* (Nyl.) Hertel**

LAZ: NIMIS et al. 1987; **FVG:** TRETACH & HAFELLNER 2000; **SAR:** NIMIS & POELT 1987; **SIC:** GRILLO & CANIGLIA 1989, B 2008a; **TOS:** NIMIS et al. 1990, B 2015a; **TAA:** ARNOLD 1887a: 103, 126, KEISSLER 1930, LETTAU 1958: 146, BSM 2006-2012, HAFELLNER 2006.

***Carbonea vitellinaria* (Nyl.) Hertel**

Older records as *Lecidea vitellinaria*. JATTA 1909-1911: 622¹. **ABR:** NIMIS & TRETACH 1999; **BAS:** NIMIS & TRETACH 1999; **CAL:** PUNTILLO 1996, BRACKEL & PUNTILLO in prep.; **FVG:** TRETACH 1993, TRETACH & HAFELLNER 2000, HAFELLNER 2006; **LAZ:** NIMIS & al. 1987; **LOM**¹: ANZI 1860: 82, BSM 2006-2012; **PIE**¹: BAGLIETTO & CARESTIA 1865-1867: 386 and 1880: 276, HAFELLNER 2006; **SIC:** GRILLO & CANIGLIA 1989, VAN DEN BOOM 1992, BSM 2006-2012, B 2008a; **SAR:** NIMIS & POELT 1987, RIZZI et al. 2011; **TOS:** NIMIS et al. 1990, TRETACH et al. 2008; **TAA:** ARNOLD 1887a: 115, KERNSTOCK 1890: 335, 336, 350, 1895: 203, BSM 2006-2012; **VEN:** HAFELLNER & SANCHO 1990; **VAO:** BSM 2006-2012.

***Catillaria mediterranea* Hafellner s. str.**

ABR: B 2015a; **BAS:** HAFELLNER 1982a, TRETACH & HAFELLNER 1998, NIMIS & TRETACH 1999; B 2011a, **CAL:** PUNTILLO 2003, 2011, BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **MOL:** NIMIS & TRETACH 1999; **SAR:** BRACKEL in prep.; **SIC:** NIMIS et al. 1994, TRETACH & HAFELLNER 1998, VAN DEN BOOM 2002c, B 2008b; **TOS:** B 2015a. – ~~**SAR:** NIMIS & POELT 1987.~~

Note: A lichenicolous lichen with a strongly reduced thallus.

***Cecidonia umbonella* (Nyl.) Triebel & Rambold**

FVG: TRETACH & HAFELLNER 2000; **SAR:** NIMIS 1993; **SIC:** GRILLO & CANIGLIA 1989; **TAA:** HAFELLNER & SANCHO 1990.

***Cecidonia xenophana* (Körb.) Triebel & Rambold**

FVG: TRETACH & HAFELLNER 2000.

***Celidium tabescens* Anzi**

LOM: ANZI 1868a: 178, JATTA 1909-1911: 752.

***Cercidospora caudata* Kernst.**

PIE: WITTMANN & TÜRK 1989: 192; **PUG:** B 2011a; **SAR:** NIMIS & POELT 1987; **TOS:** B 2015a; **TAA:** KERNSTOCK 1895: 212, 1896: 302, KEISSLER 1930, HAFELLNER 1987b.

***Cercidospora epipolytropa* (Mudd) Arnold**

FVG: TRETACH & HAFELLNER 2000; LOM: B 2013b; SIC: B 2008a, b; TOS: HAFELLNER 1987b, B 2015a; TAA: ARNOLD 1887a: 126, KERNSTOCK 1890: 322, 1891: 737, CALATAYUD et al. 2013.

***Cercidospora macrospora* (Uloth) Hafellner & Nav.-Ros.**

TAA: BAGLIETTO 1979, HAFELLNER 1987b; EMI: CALATAYUD et al. 2013; SAR: BAGLIETTO 1879: 122 (as *Cercidospora epipolytropa*), NIMIS & POELT 1987; SIC: B 2008b; TOS: B 2015a; VEN: HAFELLNER 1987b.

***Cercidospora melanophthalmae* Nav.-Ros., Calat. & Hafellner**

LOM: B 2013b; ?TAA: ARNOLD 1887a: 115 (as *Cercidospora epipolytropa* on *Rhizoplaca chrysoleuca*).

***Cercidospora solearispora* Calatayud, Nav.-Ros. & Hafellner**

SAR: NAVARRO-ROSINÉS et al. 2009; VAO: NAVARRO-ROSINÉS et al. 2009.

***Cercidospora stenotropae* Nav.-Ros. & Hafellner ad int.**

TOS: CALATAYUD et al. 2013.

***Cercidospora stereocaulorum* (Arnold) Hafellner**

FVG: TRETACH & HAFELLNER 2000; TAA: ARNOLD 1887a: 103 (as *Leptosphaeria* s.).

***Cercidospora weneri* Nav.-Ros., Calat. & Hafellner**

TOS: B 2015a.

***Cercidospora xanthoriae* (Wedd.) R. Sant.**

SAR: NIMIS & POELT 1987, BRACKEL in prep., TAA: HAFELLNER 1987, GRUBE & HAFELLNER 1990

***Chaenothecopsis consociata* (Nádv.) A.F.W. Schmidt**

PUNTILLO & PUNTILLO 2009¹. LIG¹; TAA¹.

***Chaenothecopsis epithallina* Tibell**

CAL: PUNTILLO 1996, PUNTILLO & PUNTILLO 2009.

***Chaenothecopsis hospitans* (Th. Fr.) Tibell**

CAL: PUNTILLO & PUNTILLO 2009.

***Chaenothecopsis nana* Tibell**

SAR: PUNTILLO & PUNTILLO 2009.

***Chaenothecopsis ochroleuca* (Körb.) Tibell & Ryman**

TAA: TIBELL & RYMAN 1995, KALB et al. 1995, PUNTILLO & PUNTILLO 2009.

***Chaenothecopsis parasitaster* (Bagl. & Carestia) D. Hawksw.**

Jatta 1909-1911: 128 (as *Calicium pusillum* var. *parasitaster*)¹, PUNTILLO & PUNTILLO 2009². LOM¹; PIE²: BAGLIETTO & CARESTIA 1880: 246 (as *Calicium pusillum* var. *parasitaster*); TAA^{1,2}: ARNOLD 1887a: 149, JATTA 1909-1911.

***Chaenothecopsis pusilla* (Ach.) A.F.W. Schmidt**

PUNTILLO & PUNTILLO 2009¹. ABR¹: GRILLO & ROMANO 1987; CAL¹: PUNTILLO 1996; CAM: JATTA 1882: 113 (as *Calicium* p.); EMI: ZANFROGNINI 1902; FVG: CLERC 1984; LAZ: TAMBURLINI 1884; LOM: ANZI 1860: 100 (as *Calicium* p.), ANZI 1864: 22 (as *Calicium albo-atrum*); JATTA 1909-1911: 127 (as *Calicium alboatrum*, *C. pusillum*) PIE: BAGLIETTO & CARESTIA 1865: 367 (as *Calicium nigrum*), 1880: 247 (as *Calicium nigrum*); SAR: NIMIS & POELT 1987; SIC¹; TOS¹: COPPINS in litt., B 2015a; TAA: KERNSTOCK 1892b, DALLA TORRE & SARNTHEIN 1905.

***Chaenothecopsis pusiola* (Ach.) Vain.**

CAL: PUNTILLO 1996, PUNTILLO & PUNTILLO 2009; PIE: BAGLIETTO & CARESTIA 1880: 248 (as *Calicium virescens* according to NIMIS 1993).

***Chaenothecopsis subparoica* (Nyl.) Tibell**

PUNTILLO & PUNTILLO 2009¹. CAL¹; SAR¹; TOS¹; TAA: ARNOLD 1887a: 88 (on *Chroolepus*-thallus of *Opegrapha gyroc.*), TIBELL & RYMAN 1995.

***Chaenothecopsis treicheliana* (B. Stein) Kalb**

CAL. PUNTILLO 1992b, 1996.

***Chaenothecopsis vainioana* (Nádv.) Tibell**

SAR: PUNTILLO & PUNTILLO 2009.

***Chaenothecopsis viridireagens* (Nádv.) A.F.W. Schmidt**

FVG: PUNTILLO & PUNTILLO 2009.

***Chalara lobariae* Etayo**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; TOS: B 2015a.

***Chalara* aff. *inflatipes* (Pr.) Sacc.**

LOM: B 2013b.

***Chalara aff. microspora* (Cordes) Hughes**

TOS: B 2015a.

***Chionosphaera aff. apobasidialis* Cox**

LAZ: B 2015a; MAR: B 2015a.

***Cladophialophora parmeliae* (Etayo & Diederich) Diederich & Untereiner**

CAL: BRACKEL & PUNTILLO in prep.; TOS: B 2015a.

***Cladosporium licheniphilum* Heuchert & U. Braun**

ABR: B 2015a; BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; LOM: B 2010d; PUG: B 2011a; TOS: B 2008c, B 2015a; SIC: B 2008b; VEN: B 2013b.

***Clypeococcum cladonema* (Wedd.) D. Hawksw.**

TAA: HAFELLNER 1994b.

***Clypeococcum hypocenomycis* D. Hawksw.**

CAL: BRACKEL & PUNTILLO in prep.; EMI: TRETACH et al. 2008; TOS: B 2015a; TAA: B 2013b.

***Clypeococcum psoromatis* (A. Massal.) Etayo**

BAS: NIMIS & TRETACH 1999 (as *Polycoccum epicrassum*); TOS: HAWKSWORTH 1986 (as *P. epicrassum*), HAWKSWORTH & DIEDERICH 1988, (as *P. epicrassum*); VEN: MASSALONGO 1855: 241 (as *Sphaeria psoromatis*), BSM 2011-2015 (as *C. epicrassum*).

***Comatricha laxa* Rostaf.**

TAA: B 2013b.

***Cornutispora intermedia* Punith. & D. Hawksw.**

LOM: B 2013b; TOS: B 2015a.

***Cornutispora lichenicola* D. Hawksw. & B. Sutton**

EMI: TRETACH et al. 2008; LAZ: B 2015a; PIE: MOTIEJUNAITÉ & GROCHOWSKI 2014; LOM: B 2010d; SAR: BRACKEL in prep.; SIC: B 2008b; TOS: B 2015a; TAA: HAWKSWORTH 1981a, B 2013b.

***Cornutispora pyramidalis* Etayo**

LAZ: B 2015a.

***Cyphelium marcianum* de Lesd.**

PUNTILLO & PUNTILLO 2009¹. LIG¹; SAR¹; TOS¹.

***Cyphelium sessile* (Pers.) Trevis.**

Older records as *Acolium stigonellum*. PUNTILLO & PUNTILLO 2009¹. CAL¹: PUNTILLO 1996; EMI¹; LOM¹; TOS¹: ANZI 1862: 161, BAGLIETTO 1871: 255.

***Dacampia engeliana* (Saut.) A. Massal.**

Older records as *Xenosphaeria engeliana*. VOUAUX 1913; LOM: BSM 2006-2015; PIE: BAGLIETTO & CARESTIA 1880: 352, JATTA 1909-1911: 843; TAA: ARNOLD 1887a: 133 (as *Xenosphaeria e.*), BSM 2006-2015.

***Dacampia hookeri* (Borrer) A. Massal.**

JATTA 1909-1911: 797¹. FVG: TRETACH & NIMIS 1999, HAFELLNER & ZIMMERMANN 2012; LOM¹: BSM 2006-2015; PIE: BAGLIETTO & CARESTIA 1865-1867 415, 1880: 320, HAFELLNER & ZIMMERMANN 2012; TAA: ARNOLD 1876c: 398, 405, BSM 2006-2015, HAFELLNER & ZIMMERMANN 2012.
Note: juvenile parasite on *Solorina* spp., later autonomous.

***Dacampia aff. muralicola* Halici & D. Hawksworth**

TOS: B 2015a.

***Dactylospora acarosporae* (H. Magn.) Hafellner**

LIG: HAFELLNER 1979.

***Dactylospora amygdalariae* Triebel**

TAA: TRIEBEL 1989, BSM 2006-2015.

***Dactylospora athallina* (Müll. Arg.) Hafellner**

Older records as *Abrothallus placophyllus* Anzi. CAL: PUNTILLO 1996, BRACKEL & PUNTILLO in prep.; FVG: TRETACH & CARVALHO 1994; LOM: ANZI 1868a: 177; MAR: B 2015a; TOS: BENESPERI et al. 2007.

***Dactylospora attendenda* (Nyl.) Arnold**

TAA: ARNOLD 1887a: 89, BSM 2006-2011.

***Dactylospora australis* Triebel & Hertel**

EMI: TRETACH et al. 2008; TAA: TRIEBEL 1989.

***Dactylospora homoclinella* (Nyl.) Hafellner**

TAA: HAFELLNER 1979.

***Dactylospora lobariella* (Nyl.) Hafellner**

BAS: B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **FVG:** B 2008c; **PUG:** B 2011a; **TOS:** B 2011a.

***Dactylospora microspora* Etayo**

CAM: TRETACH 2004.

***Dactylospora parasitaster* (Nyl.) Arnold**

TAA: BSM 2006-2015.

***Dactylospora parasitica* (Flörke ex Spreng.) Zopf**

Verbreitung in Italien: **BAS:** B 2011a; **CAL:** PUNTILLO 2011, BRACKEL & PUNTILLO in prep.; **EMI:** B 2015a; **LAZ:** B 2015a; **MAR:** B 2015a; **PUG:** B 2011a; **SAR:** NIMIS & POELT 1987, ZEDDA & SIPMAN 2001, RIZZI et al. 2011; **SIC:** GRILLO & CANIGLIA 2004, B 2008b; **TOS:** BAGLIETTO 1871: 279, 1879 (as *Leciographa floerkei* Massal.), HAFELLNER 1979, BELLEMÈRE & HAFELLNER 1982; **TAA:** ARNOLD 1872b: 301, BSM 2006-2012.

***Dactylospora parellaria* (Nyl.) Arnold**

SIC: B 2008b; **TOS:** BSM 2006-2015.

***Dactylospora pertusariicola* (Willey ex Tuck.) Hafellner**

SAR: ZEDDA & SIPMAN 2001 (on *Ophioparma rubricosa?*).

***Dactylospora placophylla* (Anzi) Clauzade, Diederich & Cl. Roux**

LOM: JATTA 1909-1911: 768 (as *Abrothallus placophyllus*).

***Dactylospora protohallina* (Anzi) Hafellner**

JATTA 1909-1911:768¹. **LOM**¹: ANZI 1860: 116, HAFELLNER 1979.

***Dactylospora purpurascens* Triebel**

LOM: TRIEBEL 1989.

***Dactylospora rimulicola* (Müll.Arg.) Hafellner**

TOS: NIMIS et al 1990: 11; **SIC:** ALSTRUP 2004; **SAR:** NIMIS & POELT 1987.

***Dactylospora saxatilis* (Schaer.) Hafellner**

Older records as *Buellia saxatilis*. **CAL:** BRACKEL & PUNTILLO in prep.; **CAM:** JATTA 1892b: 209, BSM 2006-2012; **FVG:** TRETACH & HAFELLNER 2000; **LOM:** ANZI 1860: 88, 1866: n. 486, HAFELLNER 1979, BSM 2006-2012; **TOS:** VAN DEN BOOM & APTROOT 1990, BSM 2006-2012, TRETACH et al. 2008; **TAA:** LETTAU 1958: 143, BSM 2006-2012.

***Dactylospora urceolata* (Th. Fr.) Arnold**

TAA: KERNSTOCK 1895: 217, MAYRHOFER & POELT 1985: 55, BSM 2006-2012.

***Dendrophoma lecanorae* Vouaux**

SIC: B 2008a.

***Didymocyrtis consimilis* Vain**

ABR: B 2015a.

***Diederichia pseudeverniae* (Etayo & Diederich) D. Hawksw.**

CAL: BRACKEL & PUNTILLO in prep.; **PIE:** MOTIEJUNAITÉ & GROCHOWSKI 2014; **TAA:** B 2013b.

***Dinemasporium strigosum* (Pers. ex Fr.) Sacc.**

LOM: B 2013b.

***Echinodiscus lesdainii* (Vouaux) Etayo & Diederich**

CAL: BRACKEL & PUNTILLO in prep.

***Echinothecium reticulatum* Zopf**

BAS: B 2011a; **PUG:** B 2011a; **SAR:** NIMIS & POELT 1987, BRACKEL in prep.; **SIC:** B 2008b; **TAA:** ARNOLD 1897b: 213.

***Ellisemia lichenicola* Heuchert & U. Braun**

LAZ: B2015a; **LOM:** B 2013b; **PUG:** B 2011a.

***Endococcus brachysporus* (Zopf) Brand & Diederich**

Older records as *Tichothecium gemmiferum*, *T. gemmiferum* var. *brachysporum*. **PIE:** BAGLIETTO & CARESTIA 1880: 354; **TOS:** B 2015a; **TAA:** ARNOLD 1879a: 357, ZOPF 1898: 283, KEISSLER 1930, SÉRUSIAUX et al. 1999: 24.

***Endococcus exerrans* Nyl.**

SIC: B 2008b; **TAA:** ARNOLD 1879a: 355 (as *E. complanatae* "var. *videtur*" on *Rhizocarpon distinctum*).

***Endococcus fusiger* Th. Fr. & Almqu.**

TAA: BSM 2006-2015 (as *E. perpusillus*).

***Endococcus macrosporus* (Arnold) Nyl.**

Older records as *Tichothecium macrosporum*. **FVG**: TRETACH & HAFELLNER 2000; **PIE**: BAGLIETTO & CARESTIA 1880: 353, JATTA 1909-1911: 839; **SAR**: NIMIS & POELT 1987 as *E. stigma*; **SIC**: B 2008b; **TAA**: ARNOLD 1872b: 302, 1879a: 355, KERNSTOCK 1891: 737, 1895: 204.

***Endococcus parmeliarum* Etayo**

ABR: B 2015a; **LAZ**: B2015a.

***Endococcus perpusillus* Nyl. agg.**

BAS: NIMIS & TRETACH 1999; **PIE**: JATTA 1909-1911: 840 (as *Tichothecium hygrophilum*); **TOS**: TRIEBEL 1989; **TAA**: TRIEBEL 1989, HAFELLNER & SANCHO 1999.

***Endococcus perpusillus* Nyl. s. str.**

FVG: TRETACH & HAFELLNER 2000.

***Endococcus propinquus* (Körb.) D. Hawksw. agg.**

Older records as *Tichothecium gemmiferum*. **FVG**: TRETACH & HAFELLNER 2000; **LOM**: ANZI 1862: 166, JATTA 1909-1911: 840; **SIC**: VAN DEN BOOM 1992; **TAA**: ARNOLD 1872b: 301, 1887a: 89, 115, KERNSTOCK 1890: 322, 336, 350, 1891: 737, 1892b: 349, 1895: 203, 1896: 302, 308, TRIEBEL 1989;

***Endococcus propinquus* (Körb.) D. Hawksw. s.str.**

EMI: TRETACH et al. 2008.

***Endococcus pseudocarpus* Nyl.**

ABR: B 2015a, **CAL**: BRACKEL & PUNTILLO in prep.

***Endococcus ramalinarius* (Linds.) D. Hawksw.**

CAL: BRACKEL & PUNTILLO in prep.

***Endococcus rugulosus* Nyl. agg.**

SAR: NIMIS & POELT 1987; **SIC**: B 2008b; **TAA**: TRIEBEL 1989, HAFELLNER & SANCHO 1990.

***Endococcus rugulosus* Nyl. s.str.**

SIC: B 2008b.

***Endococcus stigma* (Körb.) Stizenb. agg.**

SAR: NIMIS & POELT 1987 (on *Rhizocarpon geographicum*).

***Endococcus verrucosus* Hafellner**

FVG: TRETACH & HAFELLNER 2000; **SIC**: B 2008b; **TAA**: HAFELLNER 1994b.

***Epicladonia sandstedei* (Zopf) D. Hawksw.**

CAL: BRACKEL & PUNTILLO in prep.; **TOS**: B 2015a; **TAA**: B 2013b.

***Epicladonia simplex* D. Hawksw.**

ABR: B 2015a.

***Epicoccum nigrum* Link**

MAR: B 2015a.

***Epigloea bactrospora* Zukal**

LOM: B 2010d; **TAA**: GRUMMANN 1968, DÖBBELER 1984.

***Epigloea grumannii* Döbbeler**

TAA: DÖBBELER 1984.

***Epigloea medioincrassata* (Grumann) Döbbeler**

TAA: GRUMMANN 1968, DÖBBELER 1984.

***Epigloea soleiformis* Döbbeler**

TOS: B 2015a; **TAA**: DÖBBELER 1984.

***Epilichen scabrosus* (Ach.) Clem.**

Older records as *Buellia scabrosa*. **FVG**: TRETACH 1993; **LOM**: ANZI 1860: 88, ANZI "Lich. Lang. 205", HAFELLNER 1978; **PIE**: BAGLIETTO & CARESTIA 1867, 1880; **VAO**: HENRY 1915a; **VEN**: ANZI "Lich. Ven. 72", HAFELLNER 1978; **SAR**: MAMELI 1921; **TAA**: ARNOLD 1869: 613, DALLA TORRE & SARNTHEIN 1905.

***Everniicola flexispora* D. Hawksw.**

LAZ: B 2015a.

***Graphium aphthosae* Alstrup & D. Hawksw.**

FVG: TRETACH & HAFELLNER 2000.

***Gyrophthorus perforans* Hafellner & Sancho**

CAL: HAFELLNER & SANCHO 1990.

***Hainesia lecanorae* Brackel**

TOS: B 2014.

***Hainesia longicladoniae* Diederich & van den Boom**

LAZ: B2015a.

***Hainesia xanthoriae* Brackel**

TOS: B 2015a.

***Hansfordiellopsis lichenicola* (Batista & Maia) Deighton**

CAL: PUNTILLO 2000, PUNTILLO et al. 2000.

***Halospora deminuta* (Arnold) Tomas. & Cif.**

TAA: ROUX et al. 2002, HAFELLNER 2011.

***Halospora discrepans* (J. Lahm ex Arnold) Hafellner**

TAA: ARNOLD 1887a: 135 (as *Polyblastia discrepans* on *Verrucaria dufourii*), TRIEBEL 1989, ROUX et al. 2002, HAFELLNER 2011.

^L*Hastifera tenuispora* Hawksworth & Poelt

TAA: HAWKSWORTH & POELT 1986.

***Homostegia piggotii* (Berk. & Broome) P. Karsten**

TOS: B 2015a.

***Illosporopsis christiansenii* (B.L. Brady & D. Hawksw.) D. Hawksw.**

ABR: B 2015a; CAL: BRACKEL & PUNTILLO in prep.; LOM: HAWKSWORTH 1979a, LOWEN et al. 1986; PUG: B 2011a; TOS: B 2015a; SIC: B 2015a; UMB: B 2015a. – New record: TAA: Jenesien oberhalb Bozen, an altem Holzsaun, sonnig, auf *Parmelia sulcata*, 1215 m, 4.XI.2005, W.v.B. (hb ivl 2954).

***Illosporium carneum* Fr.**

HAWKSWORTH 1979a; PIE: BRESADOLA & SACCARDO 1897: 324; TOS: BENESPERI et al. 2007; TAA: LETTAU 1958: 170.

***Intralichen baccisporus* D. Hawksw. & M.S. Cole**

ABR: B 2015a; CAL: BRACKEL & PUNTILLO in prep.; SIC: B 2008a.

***Intralichen christiansenii* (D. Hawksw.) D. Hawksw. & M.S. Cole**

CAL: PUNTILLO 2011; MAR: B 2015a; SIC: VAN DEN BOOM 1992, B 2008b; TOS: B 2015a; TAA: HAWKSWORTH 1979a.

***Intralichen lichenicola* (M.S. Christ. & D. Hawksw.) D. Hawksw. & M.S. Cole**

SAR: NIMIS & POELT 1987 (as *Trimmatostroma* sp. on *Lecanora rupicola*).

***Intralichen lichenum* (Diederich) D. Hawksw. & M.S. Cole**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LOM: B 2010d; MAR: B 2015a; SAR: BRACKEL in prep.; SIC: B 2008b; TOS: B 2015a.

***Kalchbrenneriella cyanescens* (Kalchbr.) Diederich & M. S. Christ.**

TAA: DIEDERICH 2002.

***Karschia anziana* (Rehm) Vouaux**

Older records as *Abrothallus talcophilus*. JATTA 1909-1911: 768 (from many regions but treated in a wide sense: "Ad thallos varios crustaceos ..."). LOM: ANZI, "Lich. Rar. Langob. Exs. no. 494", REHM 1890: 356, HAFELLNER 1979, BSM 2006-2015.

***Karschia epiconcolor* (Bagl. & Carestia) Zopf**

JATTA 1909-1911: 768 (as *Abrothallus sphyridii*)¹. PIE¹: BAGLIETTO & CARESTIA 1880: 288.

***Karschia talcophila* (Ach. ex Flot.) Körb.**

Older records as *Buellia talcophila*. CAM: JATTA 1892b: 209; PIE: BAGLIETTO 1871: 266, BAGLIETTO & CARESTIA 1880: 287; SAR: NIMIS & POELT 1987; TOS: NIMIS et al. 1990; TAA: KERNSTOCK 1891: 737, HAFELLNER 1979: 181.

***Labrocarpon canariense* (D. Hawksw.) Etayo & Pérez-Ortega**

SAR: NIMIS & POELT 1987; SIC: SANTESSON 1994b; TOS: BSM 2006-2015.

***Laetisaria lichenicola* Diederich, Lawrey & Van den Broeck**

SAR: BRACKEL in prep.; TOS: B 2015a.

***Lambinonia strigulae* (Elenkin & Woron.) Sérus. & Diederich**

CAM: SÉRUSIAUX & DIEDERICH 2005.

***Lasiosphaeriopsis supersparsa* (Zopf) Triebel**

TAA: TRIEBEL 1989: 148.

***Leciographa furfuracea* (Anzi) Rehm**

JATTA 1909-1911: 761¹. LOM¹: ANZI 1860: 116, TRIEBEL 1989; VEN: SACCARDO 1894.
Note: dubious, perhaps lichenized.

***Leptosphaeria ramalinae* (Desm.) Sacc.**

CAL: BRACKEL & PUNTILLO in prep.; EMI: B 2015a; LAZ: B 2015a; PUG: B 2011; SAR: BRACKEL in prep.; SIC: B 2008a, b; TOS: B 2015.

***Libertiella fennica* Alstrup**

SIC: ALSTRUP 2004.

***Libertiella malmedyensis* Speg. & Roum.**

TAA: B 2013b.

***Licea parasitica* (Zukal) Martin**

CAL: BRACKEL & PUNTILLO in prep.; LOM: B 2013b.

Note: not really a lichenicolous fungus but a myxomycete building its sporodochia on lichens.

***Lichenochora aprica* Hafellner & Nik. Hoffm.**

SAR: HOFFMANN & HAFELLNER 2000; SIC: HOFFMANN & HAFELLNER 2000.

***Lichenochora coarctatae* (B. de Lesd.) Hafellner & F. Berger**

TOS: B 2015a.

***Lichenochora* aff. *epidesertorum* sensu Navarro-Rosinés & Etayo**

LIG: NAVARRO-ROSINÉS & ETAYO 2001.

***Lichenochora* aff. *epimarmorata* Nav.-Ros.**

TOS: B 2015a.

***Lichenochora heppiae* Cl. Roux**

PIE: ROUX & TRIEBEL 1994: 534.

***Lichenochora lepidiotae* (Anzi) Etayo & Nav.-Ros.**

LOM: ANZI 1868a: 180.

***Lichenochora obscuroides* (Linds.) Triebel & Rambold**

CAL: BRACKEL & PUNTILLO in prep.; PUG: B 2011; SAR: BRACKEL in prep.; SIC: B 2008a, B 2008b; TOS: B 2015.

***Lichenochora polycoccoides* Hafellner & R. Sant.**

LAZ: B 2015a.

***Lichenochora* aff. *pyrenodesmiae* Nav.-Ros. & Cl. Roux**

ABR: B 2015a.

***Lichenochora thorii* Zhurbenko**

LOM: ZHURBENKO 2008d.

***Lichenochora weillii* (Werner) Hafellner & R. Sant.**

ABR: VAN DEN BOOM & BRAND 2008; MAR: B 2015a; SAR: BRACKEL in prep.

***Lichenocodium cargillianum* (Linds.) D. Hawksw.**

BAS: B 2011a; TOS: B 2015a.

***Lichenocodium erodens* M.S. Christ. & D. Hawksw.**

ABR: B 2015a; BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; EMI: TRETACH et al. 2008, B 2015a; FVG: B 2013b; LAZ: B 2015a; LOM: B 2013b; MAR: B 2015a; PUG: B 2011a; SAR: BRACKEL in prep.; SIC: B 2008a, B 2008b; TOS: B 2008c, B 2015a; TAA: B 2013b; UMB: B 2015a; VEN: B 2013b.

***Lichenocodium lecanorae* (Jaap) D. Hawksw.**

ABR: NIMIS & TRETACH 1999, B 2015a; BAS: B 2011a; CAL: PUNTILLO 2011, BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; MOL: B 2015a; PUG: B 2011a, NIMIS & TRETACH 1999; SAR: NIMIS & POELT 1987; SIC: B 2008a, B 2008b; TOS: B 2015a; TAA: HAWKSWORTH 1977a, 1981a.

***Lichenocodium lichenicola* (P. Karsten) Petr. & Syd.**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.

***Lichenocodium pyxidatae* (Oudem.) Petr. & Syd.**

LOM: B 2010d; PUG: B 2011a; SAR: BRACKEL in prep.; TOS: B 2015a; TAA: B 2013b; UMB: B 2015a.

***Lichenocodium reichlingii* Diederich**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.

***Lichenocodium usneae* (Anzi) D. Hawksw.**

Older records as *Epicoccum usneae* Anzi. **ABR:** NIMIS & TRETIACH 1999, B 2015a; **BAS:** B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **LOM:** ANZI 1868a: 178, 1868b: no. 523, HAWKSWORTH 1977a, B 2013b; **PIE:** BSM 2006-2015; **PUG:** B 2011a; **SAR:** BRACKEL in prep.; **SIC:** B 2008a; **TOS:** B 2015a; **TAA:** ANZI 1868b, HAWKSWORTH 1977a, 1981a, BSM 2006-2015.

***Lichenocodium xanthoriae* M.S. Christ.**

ABR: B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **MAR:** B 2015a; **SAR:** BRACKEL in prep.; **SIC:** B 2008b.

***Lichenodiplis lecanorae* (Vouaux) Dyko & D. Hawksw.**

ABR: B 2015a; **BAS:** B 2011a; **CAL:** PUNTILLO 2011, BRACKEL & PUNTILLO in prep.; **CAM:** PUNTILLO & BRACKEL in prep.; **LAZ:** B 2015a; **MAR:** B 2015a; **SIC:** NIMIS et al. 1994, B 2008a, B 2008b; **TOS:** B 2015a; **UMB:** B 2015a.

***Lichenodiplis lecanoricola* (M. S. Cole & D. Hawksw.) Diederich**

BAS: B 2011a.

***Lichenodiplis pertusariicola* (Nyl.) Diederich**

BAS: B 2011a.

***Lichenodiplis rinodinicola* Kocourk. & K. Knudsen**

PUG: B 2011a.

***Lichenopeltella cetrariae* (Bres.) Höhn.**

KEISSLER 1930: 272. **PIE:** BRESADOLA & SACCARDO 1897: 300.

***Lichenopeltella peltigericola* (D. Hawksw.) R. Sant.**

ABR: B 2015a; **LOM:** B 2010d; **VEN:** B 2013b.

***Lichenopeltella ramalinae* Etayo & Diederich**

CAL: BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **SIC:** B 2008b; **VEN:** B 2013b.

***Lichenopeltella uncialicola* Brackel**

TAA: B 2013b.

***Lichenopuccinia poeltii* D. Hawksw. & Hafellner**

TOS: B 2015a.

***Lichenosticta alcicorniaria* (Linds.) D. Hawksw.**

TOS: B 2015a; **TAA:** HAWKSWORTH 1981a.

***Lichenostigma alpinum* (R. Sant., Alstrup & D. Hawksw.) Ertz & Diederich**

incl. anamorphic state *Phaeosporobolus alpinus* R. Sant.

ABR: B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **BAS:** B 2011a; **EMI:** B 2015a; **PUG:** B 2011a; **SAR:** B 2011a; **SIC:** B 2008b; **TOS:** B 2015a; **VEN:** B 2013b.

***Lichenostigma chlaroterae* (Berger & Brackel) Ertz & Diederich**

incl. anamorphic state *Phaeosporobolus chlaroterae* Berger & Brackel.

ABR: B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a.

***Lichenostigma cosmopolites* Hafellner & Calatayud**

CAL: BRACKEL & PUNTILLO in prep.; **LOM:** B 2010d; **SAR:** NIMIS & POELT 1987 as *Echinothecium reticulatum* on *Parmelia conspersa*; **SIC:** B 2008a, B 2008b; **TOS:** HAFELLNER & CALATAYUD 1999, B 2015a; **TAA:** LETTAU 1958: 149 as *Echinothecium reticulatum* on *Xanthoparmelia stenophylla*, HAFELLNER & CALATAYUD 1999, B 2013b.

***Lichenostigma diploiciae* Calatayud, Nav.-Ros. & Hafellner**

?**SAR:** BRACKEL in prep., "cf."; **TOS:** B 2015a.

***Lichenostigma elongatum* Nav.-Ros. & Hafellner**

ABR: NIMIS & TRETIACH 1999; **CAL:** PUNTILLO 2011; **EMI:** NAVARRO-ROSINÉS & HAFELLNER 1996; **FVG:** NAVARRO-ROSINÉS & HAFELLNER 1996; **LIG:** NAVARRO-ROSINÉS & HAFELLNER 1996; **LOM:** B 2013b; **SAR:** BRACKEL in prep.; **SIC:** NAVARRO-ROSINÉS & HAFELLNER 1996, BRACKEL 2008a, B 2008 b; **TOS:** B 2015a; **TAA:** NAVARRO-ROSINÉS & HAFELLNER 1996, B 2013b.

***Lichenostigma epipolinum* Nav.-Ros., Calatayud & Hafellner**

BAS: B 2011a; **TOS:** CALATAYUD et al. 2002; **FVG:** CALATAYUD et al. 2002; **LIG:** CALATAYUD et al. 2002.

***Lichenostigma epirupestre* Pérez-Ortega & Calat.**

SAR: BRACKEL in prep.

***Lichenostigma maureri* Hafellner**

incl. anamorphic state *Phaeosporobolus usneae* D. Hawksw. & Hafellner.

BAS: B 2011a, BERGER & BRACKEL 2011; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **LOM:** HAFELLNER 1982b, B 2013b; **PIE:** BSM 2006-2015; **PUG:** B 2011a; **TOS:** B 2015a; **TAA:** HAFELLNER 1982b, THOR 1985, HAWKSWORTH & HAFELLNER 1986, BSM 2006-2015.

***Lichenothelia rugosa* (G. Thor) Ertz & Diederich**

CAL: BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **LIG:** THOR 1985; **SAR:** BRACKEL in prep.; **SIC:** NIMIS et al 1994, B 2008b; **TAA:** B 2013b.

***Lichenothelia scopularia* (Nyl.) D. Hawksw.**

HAWKSWORTH 1981b without further remarks.

Note: dubious if lichenicolous or lichenized and autonomous.

***Llimoniella phaeophysciae* Diederich, Ertz & Etayo**

CAL: DIEDERICH et al. 2010a.

***Marchandiobasidium aurantiacum* Diederich & Schultheis**

ABR: B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **SIC:** B 2008b; **TOS:** B 2008c; **VEN:** B 2013b.

***Marchandiomyces corallinus* (Roberge) Diederich & D. Hawksw.**

ABR: B 2015a; **BAS:** B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **MAR:** B 2015a; **PUG:** B 2011a; **SAR:** BRACKEL in prep.; **TOS:** B 2015a; **TAA:** B 2013b; **UMB:** B 2015a.

***Melaspilea rhododendri* (Arnold & Rehm) Almq.**

SAR: CLAUZADE et al. 1989.

Note: dubious if really lichenicolous or corticolous.

***Merismatium decolorans* (Rehm ex Arnold) Triebel**

ABR: B 2015a.

***Merismatium heterophractum* (Nyl.) Vouaux**

ABR: B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **TOS:** B 2015a; **UMB:** B 2015a.

***Merismatium lopadii* (Arnold) Zopf**

LOM: ANZI 1868a: 177, JATTA 1909-1911: 760.

***Merismatium nigrifellum* (Nyl.) Vouaux agg.**

HAFELLNER 2011. **BAS:** B 2011a; **CAL:** PUNTILLO 2011; **FVG:** B 2013b; **LOM:** TRIEBEL 1989.

***Merismatium peregrinum* (Flot.) Triebel**

Older records often as *Phaeospora peregrina*, *Xenosphaeria peregrina*. **PIE:** BAGLIETTO & CARESTIA 1880: 353, JATTA 1909-1911: 844; **TAA:** ARNOLD 1879a: 355, 1887a: 94, HERTEL & RAMBOLD 1990.

***Micarea inquinans* (Tul.) Coppins**

TAA: HAFELLNER 1994b.

***Microcalicium ahlneri* Tibell**

NIMIS 1993. **FVG:** PUNTILLO & PUNTILLO 2009.

***Microcalicium arenarium* (Hampe ex A. Massal.) Tibell**

JATTA 1909-1911: 129, NIMIS 1993, PUNTILLO & PUNTILLO 2009¹. **CAL**¹: VÉZDA "Lich. Sel. Exs. 2412", PUNTILLO 1996, BRACKEL & PUNTILLO in prep.; **PIE**¹: BAGLIETTO & CARESTIA 1864, 1880: 247; **TAA**¹: ARNOLD 1887a: 88 (as *Cyphelium arenarium*), DALLA TORRE & SARNTHEIN 1905, SCHADE 1917, TIBELL 1978b, BSM 2006-2012; **UMB**.

***Microcalicium disseminatum* (Ach.) Vain.**

NIMIS 1993, PUNTILLO & PUNTILLO 2009¹. **FVG**¹: TRETACH 1993; **LOM**¹; **TAA**¹: ARNOLD 1887: 140, DALLA TORRE & SARNTHEIN 1905, TIBELL 1978b, HAWKSWORTH 1981a; **VEN**¹: ANZI "Lich. Ven. 113", TIBELL 1978b.

***Microthelia calcaricola* Mudd**

Older records as *Tichothecium calcaricolum*. **TAA:** ARNOLD 1879a: 355, KERNSTOCK 1890: 336.

Note: probably an *Endococcus*.

Ob hierzu: Italien, **TAA:** ARNOLD 1879a: 374 ("auf dem weißen Thallus einer *Lecidea*").

***Microthelia minor* Kernst.**

TAA: KERNSTOCK 1896: 307, TRIEBEL 1989: 239.

Note: probably a *Polycoccum*.

***Milospium graphideorum* (Nyl.) D. Hawksw.**

BAS: NIMIS & TRETACH 1999; **CAL:** PUNTILLO 1996; **PUG:** NIMIS & TRETACH 1999; **SAR:** BSM 2006-2012.

***Milospium lacoizquetae* Etayo & Diederich**

CAL: BRACKEL & PUNTILLO in prep.; **TOS:** B 2015a.

***Minutoexcipula mariana* V. Atienza**

CAL: PUNTILLO 2011, BRACKEL & PUNTILLO in prep.; **CAM:** PUNTILLO et al in prep.; **LAZ:** B 2015a; **PUG:** B 2011a.

Mixtoconidium canariense Etayo

SIC: B 2008b.

Monodictys cellulosa S.Hughes

VEN: HUGHES 1958: 786, HAWKSWORTH 1979a.

Monodictys fuliginosa Etayo

CAL: BRACKEL & PUNTILLO in prep.

Muellerella atricola (Linds.) Sacc. & D. Sacc.

EMI: HAFELLNER 2007b; SIC: B 2008b.

Muellerella erratica (A. Massal.) Hafellner & V. John

ABR: NIMIS & TRETACH 1999; **LIG**: TRIEBEL 1989; **LOM**: ANZI 1862: 37, TRIEBEL 1989, BSM 2006-2012, B 2010d; **MAR**: NIMIS & TRETACH 1999; **PIE**: JATTA 1909-1911: 841; **PUG**: B 2011a; **SAR**: BRACKEL in prep.; **SIC**: NIMIS et al. 1994, B 2008a, 2008b; **TAA**: TRIEBEL 1989, BSM 2006-2012; **VEN**: TRIEBEL 1989.

Muellerella hospitans Stizenb.

KEISSLER 1930. **ABR**: NIMIS & TRETACH 1999; **PIE**: FERRARIS 1906: 141; **PUG**: B 2011a; **SAR**: NIMIS & POELT 1987.

Muellerella lichenicola (Sommerf.) D. Hawksw.

Older records as *Tichothecium microcarpum*. **ABR**: B 2015a; **BAS**: B 2011a; **CAL**: BRACKEL & PUNTILLO in prep.; **LAZ**: B 2015a; **PUG**: B 2011a; **SAR**: NIMIS & POELT 1987; **SIC**: NIMIS et al. 1994, B 2008a, B 2008b; **TOS**: B 2015a; **TAA**: ARNOLD 1887a: 103, KERNSTOCK 1892a: 325, TRIEBEL 1989.

Muellerella polyspora Hepp ex Müll.Arg.

EMI: TRETACH et al. 2008; **PIE**: JATTA 1909-1911: 837.

Muellerella pygmaea (Körber) D. Hawksw. s. l.

Older records as *Tichothecium pygmaeum*, *Microthelia pygmaea*. **CAM**: JATTA 1882: 140; **LOM**: ANZI 1860: 115, LETTAU 1958: 159; **PIE**: BAGLIETTO & CARESTIA 1880: 354, LETTAU 1958: 159; **PUG**: JATTA 1882: 140; **TOS**: BAGLIETTO 1871: 290; **SAR**: NIMIS & POELT 1987; **TAA**: ARNOLD 1872b: 301, 1872c: 308, 1876c: 394, 397, 414, 1879a: 355, 359, 363, 365, 367, 368, 374, 378, 1887a: 115, 126, 136, KERNSTOCK 1890: 332, 335, 350, 1891: 737, 1892a: 325, 1892b: 349, 1895: 203, 1896: 302, 308, LETTAU 1958: 159.

Muellerella pygmaea (Körber) D. Hawksw. s. str.

Older records as *Tichothecium pygmaeum* f. *grandiusculum*. JATTA 1909-1911: 841¹. **ABR**: B 2015a; **EMI**: TRETACH et al. 2008; **FVG**: TRETACH & HAFELLNER 2000; **LOM**¹: ANZI 1860: 115, TRIEBEL 1989; **PIE**¹; **SIC**: VAN DEN BOOM 1992, NIMIS et al. 1994, B 2008a, B 2008b; **TOS**¹: TRETACH et al. 2008; **TAA**: ARNOLD 1887a: 126, KERNSTOCK 1891: 737, 1895: 203, 1896: 302, TRIEBEL 1989, BSM 2006-2012.

Muellerella ventosicola (Mudd) D. Hawksw.

CAL: HAFELLNER & OBERMAYER 2007: 53; **LOM**: BSM 2006-2012; **PIE**: JATTA 1909-1911: 842; **SAR**: BRACKEL in prep.; **SIC**: B 2008a, B 2008b; **TAA**: TRIEBEL 1989, BSM 2006-2012.

Mycobilimbia epimyrrhina (Linds.) Vouaux

LIG: BSM 2006-2012.

Nectria brutia Diederich & Puntillo

CAL: DIEDERICH & PUNTILLO 1995.

Nectriopsis cariosae Brackel & Zimmermann

CAL: BRACKEL & PUNTILLO in prep.

Nectriopsis hirta Etayo

TOS: B 2015a; **UMB**: B 2015a.

Nectriopsis indigena (Arnold) Diederich & Schroers

TAA: KEISSLER 1930: 278, BSM 2006-2012.

Nectriopsis lecanodes (Ces.) Diederich & Schroers

CAL: BRACKEL & PUNTILLO in prep.; **PIE**: ?CESATI 1863 (Herb. myc., ed. 2: no. 525), BRESADOLA & SACCARDO 1897: 298, BSM 2006-2012.

Nectriopsis physciicola D. Hawksw. & Earl.-Benn.

ABR: B 2015a; **BAS**: B 2011a.

Neocoleroa lichenicola subsp. bouteillei (Bricaud, Sérus. & Cl. Roux) M.E. Barr

TOS: PUNTILLO & OTTONELLO 1997; **CAL**: PUNTILLO 2000, PUNTILLO et al. 2000.

Niesslia cladoniicola D. Hawksw. & W. Gams

SAR: NIMIS & POELT 1987; **TAA**: B 2013b.

Niesslia lobariae Etayo & Diederich

CAL: BRACKEL & PUNTILLO in prep.; **TOS**: B 2015a.

***Niesslia peltigericola* (D. Hawksw.) Etayo**

TOS: B 2015a.

***Niesslia robusta* Tretiach**

TOS: TRETACH 2002.

***Nigropuncta rugulosa* D. Hawksw.**

TAA: HAWKSWORTH & POELT 1986, NIMIS 1993.

***Niptera lichenicola* (Speg.) Sacc.**

VEN: SPEGAZZINI 1879: 472 (as *Pyrenopeziza lichenicola* Speg.).

***Obryzum corniculatum* Wallr.**

HOFFMANN & HAFELLNER 2000, BSM 2006-2012, JATTA 1889: 228, 1900: 29, 1909-1911: 111¹. SAR¹: BSM 2006-2012; TOS¹; VEN¹.

***Opegrapha parasitica* (A. Massal.) H. Olivier**

Older records as *Leciographa parasitica*. NIMIS 1993. CAL: HAFELLNER 2009a; PIE: BAGLIETTO & CARESTIA 1865-1867: 411, 1880: 315; SAR: HAFELLNER 2009a; SIC: NIMIS et al. 1994; TAA: ARNOLD 1872c: 306, 311, KERNSTOCK 1896: 304, 308; TOS: HAFELLNER 2009a; VEN: KÖRBER 1859-1865: 464, TRIEBEL 1989.

***Opegrapha pertusariicola* O. Coppins & P. James**

SIC: GRILLO & CRISTAUDDO 1995.

***Opegrapha phaeophysciae* R. Sant., Diederich, Ertz & Christnach**

LAZ: B 2015a; TOS: B 2015a.

***Opegrapha phlyctidicola* (Vouaux in Pit. et Harm.) Etayo**

?SAR: ZEDDA & SIPMAN 2001.

***Opegrapha pulvinata* Rehm**

PIE: BSM 2006-2012; TAA: HAFELLNER 2009a. – Dubious records (on *Endocarpon pusillum*): CAL: PUNTILLO 1996; TAA: KERNSTOCK 1896: 308 (as *Leciographa parasitica* f. *conglobata*). – BAGLIETTO & CARESTIA (1880: 315) report a var. *stigmatommatis* on *Staurothele (Stigmatomma) catalepta* from PIE.

***Opegrapha rotunda* Hafellner**

BAS: B 2011a; SIC: B 2008b.

***Opegrapha rupestris* Pers.**

NIMIS 1993. CAL: PUNTILLO 1996; PUG: B 2011a; SAR: NIMIS & POELT 1987; SIC: ALBO 1926, VAN DEN BOOM 1992, GRILLO 1996, GRILLO & CANIGLIA 2004; TAA: BSM 2006-2012.

***Opegrapha vulpina* Vondrák, Kocourk. & Tretiach**

ABR: VONDRÁK & KOCOURKOVÁ 2008; MAR: VONDRÁK & KOCOURKOVÁ 2008.

***Ophiobolus thallicola* (Ces. & De Not.) Sacc.**

PIE: DE NOTARIS 1867: 489 (as *Rhaphidophora thallicola*), SACCARDO 1883: 351.

***Orbicula variolariae* (A. Massal.) Sacc.**

VEN: MASSALONGO 1855: 241, MATZER & HAFELLNER 1990: 112.

***Ovicuculispora parmeliae* (Berk. & M.A. Curtis) Etayo**

SIC: B 2008a.

***Paralecia pratorum* Brackel, Greiner, Peršoh & Rambold**

TOS: LIU et al. 2015, B2015a.

***Paraethariicola aspicilliae* Calatayud, Etayo & Diederich**

SAR: CALATAYUD et al. 2001a ("*Pleospilis* sp. & *Skyttea* sp. in NIMIS & POELT 1987").

***Paranectria oropensis* (Ces.) D. Hawksw. & Piroz.**

CAL: BRACKEL & PUNTILLO in prep.; FVG: TRETACH 1993; MAR: B 2015a; PIE: TRIEBEL 1989, BSM 2006-2015; SAR: BRACKEL in prep.; SIC: B 2008b; TOS: B 2015a.

***Periconia digitata* (Cooke) Sacc. (1886)**

VEN: B 2013b.

***Phacographa glaucomaria* (Nyl.) Hafellner**

Older records as *Dactylospora maculans*. CAL: HAFELLNER 2009a; EMI: TRETACH et al. 2008, HAFELLNER 2009a; TOS: BAGLIETTO 1871: 279 (as *Leciographa parasitica* on *Lecanora sordida* = *L. rupicola*); TAA: ARNOLD 1887a: 126, 1889a: 265, 1896a: 121, KERNSTOCK 1895: 193, KEISSLER 1930: 233, HAFELLNER 2009a.

***Phacographa protoparmeliae* Hafellner**

FVG: TRETACH & HAFELLNER 2000 (as *Opegrapha glaucomaria*), HAFELLNER 2009a: 107.

***Phacographa zwackhii* (A. Massal. ex Zwackh) Hafellner**

ABR: B 2015a; BAS: B 2011a.

?if here: *Peziza neesii* Flotow: LOM: ANZI 1868a: 178.

***Phacopsis fusca* (Triebel & Rambold) Diederich**

CAL: BRACKEL & PUNTILLO in prep.; LOM: B 2013b; SAR: NIMIS & POELT 1987: 144 (as *Nesolechia oxyspora*), TRIEBEL et al. 1995, BSM 2006-2015; SIC: B 2008a, B 2008b; TOS: NIMIS et al. 1990 (as *P. oxyspora*); TAA: RAMBOLD & TRIEBEL 1988: 303 (as *Phacopsis oxyspora*), TRIEBEL et al. 1995.

***Phacopsis lethariellae* Hafellner & Rambold**

CAL: PUNTILLO 2011.

***Phacopsis oxyspora* (Tul.) Triebel & Rambold agg.**

Also as *Nesolechia oxyspora*. FVG: HAFELLNER 1998c; LOM: HAFELLNER & SANCHO 1990, HAFELLNER 1998c; TAA: KERNSTOCK 1891: 737, 1896: 302.

***Phacopsis thallicola* (A. Massal.) Triebel & Rambold**

Older records as *Lecidea thallicola*. FVG: TRIEBEL et al. 1995; LOM: ANZI 1860: 115, JATTA 1909-1911: 623, TRIEBEL & RAMBOLD 1988: 305, TRIEBEL et al. 1995; VEN: MASSALONGO 1852: 78, TRIEBEL & RAMBOLD 1988: 304-305;

***Phacopsis vulpina* Tul.**

LOM: ANZI 1860: 115, JATTA 1909-1911: 623, TRIEBEL & RAMBOLD 1988: 307; PIE: BAGLIETTO & CARESTIA 1880: 352, TRIEBEL & RAMBOLD 1988: 307; TAA: ARNOLD 1876c: 414, HAFELLNER 1987a, TRIEBEL & RAMBOLD 1988: 307; VEN: JATTA 1909-1911: 623.

***Phacothecium varium* (Tul.) Trevis**

JATTA 1909-1911: 761¹. ABR: B 2015a; CAL: BRACKEL & PUNTILLO in prep.; CAM¹: JATTA 1892: 210 (as *Celidium varium*), PUNTILLO & BRACKEL in prep.; EMI¹; LAZ: B 2015a; LOM¹; PUG¹: JATTA 1882: 137 (as *Celidium varium*); SAR: BRACKEL in prep.; SIC: JATTA 1882, 1889, 1909, NIMIS 1993, NIMIS et al. 1994, GRILLO & CANIGLIA 2004, HAFELLNER 2009a.

***Phaeopyxis punctum* (A. Massal.) Rambold, Triebel & Coppins**

Older records as *Nesolechia punctum*. MASSALONGO "Lich. Ital. Exs. 153", 1856: 14, RAMBOLD & TRIEBEL 1990, NIMIS 1993: 394. LOM: B 2010d; TAA: ARNOLD 1887a: 109, 143, KERNSTOCK 1896: 302, B 2013b; VEN: BELTRAMINI 1858, JATTA 1909-11: 623.

***Phaeopyxis varia* Coppins, Rambold & Triebel**

FVG: HAFELLNER & OBERMAYER 2007: 54.

***Phaeospora everniae* Etayo & van den Boom**

SAR: BRACKEL in prep.;

***Phaeospora parasitica* (Lönnr.) Arnold agg.**

LOM: JATTA 1909-1911: 844, LETTAU 1958: 154; TAA: LETTAU 1958: 154.

***Phaeospora parasitica* (Lönnr.) Arnold s. str.**

TAA: BSM 2006-2012.

***Phaeospora peltigericola* D. Hawksw.**

TAA: REHM 1904, HAWKSWORTH 1980b, B 2013b.

***Phaeospora* aff. *peltigericola* D. Hawksw.**

Auf *Lobaria pulmonaria*, Italien, TOS (BRACKEL 2015a).

***Phaeospora rimosicola* (Leight. ex Mudd) Hepp ex Stein**

LOM: ANZI 1864: 28, BSM 2006-2012; PIE: BAGLIETTO & CARESTIA 1880: 353, JATTA 1909-1911: 844; TAA: ARNOLD 1876c: 396, 414, 1879a: 357, 1879a: 374, 1887a: 126, 135, KERNSTOCK 1890: 324, 350, 1895: 204, BSM 2006-2012.

„*Pharcidia lichenicola*“ (A. Massal.) Vouaux

VEN: MASSALONGO 1852: 45, VOUAUX 1912, KEISSLER 1930.

***Phoma caloplacae* D. Hawksw.**

ABR: B 2015a.

***Phoma cladoniicola* Diederich, Kocourk. & Etayo**

ABR: B 2015a; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; TOS: B 2015a.

***Phoma denigricans* Hafellner**

TAA: HAFELLNER 1994b.

***Phoma epiphyscia* Vouaux**

ABR: B 2015a; CAL: BRACKEL & PUNTILLO in prep.; MAR: B 2015a; PUG: 2011a; SAR: BRACKEL in prep.; SIC: B 2008b; TOS: B 2015a; UMB: B 2015a.

***Phoma ficuzzae* Brackel**

BAS: B 2011; **CAL:** BRACKEL & PUNTILLO in prep.; **PUG:** B 2011; **SIC:** B 2008a, B 2008b; **TOS:** B 2008c, B 2015.

***Phoma foliaceiphila* Diederich, Kocourk. & Etayo**

CAL: BRACKEL & PUNTILLO in prep.; **PUG:** B 2011a; **TOS:** B 2015a.

***Phoma grumantiana* Zhurb. & Diederich**

CAL: BRACKEL & PUNTILLO in prep.

***Phoma lecanorina* Diederich (1986)**

SAR: BRACKEL in prep.

***Phoma lichenis* Pass.**

EMI: KEISSLER 1911, HAWKSWORTH 1981a.

***Phoma lobariae* Diederich & Etayo**

BAS: B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a.

***Phoma melanelixiae* Brackel**

BAS: B 2011a; **TOS:** B 2015a ("cf.").

***Phoma melanohaleicola* D. Hawksw. & Earl.-Benn.**

CAL: BRACKEL & PUNTILLO in prep.

***Phoma peltigerae* (P. Karsten) D. Hawksw.**

LAZ: B 2015a; **LOM:** B 2010d; **TAA:** B 2013b; **VEN:** B 2013b.

***Phoma physciicola* Keissler**

CAL: BRACKEL & PUNTILLO in prep.; **FVG:** HAFELLNER & ZIMMERMANN 2012.

***Plectocarpon lichenum* (Sommerf.) D. Hawksw.**

Older records as *Celidium lichenum*, *C. stictarum*. JATTA 1909-11: 760, NIMIS 1993: 86; **BAS:** JATTA 1882: 137, BSM 2006-2012, HAFELLNER 2009a, B 2011a; **CAL:** JATTA 1880: 212, 1882: 137, ERTZ et al. 2005, BSM 2006-2012, PUNTILLO 2011, BRACKEL & PUNTILLO in prep.; **CAM:** JATTA 1882: 137, 1892, TROTTER & ROMANO 1912; **EMI:** B 2015a; **LAZ:** TAMBURLINI 1884; **LOM:** ANZI 1860: 116, 1862: 37, BSM 2006-2012; **MOL:** JATTA 1875: 237; **PUG:** NIMIS & TRETACH 1999, BSM 2006-2012; **SAR:** BAGLIETTO 1879: 121, NIMIS & POELT 1987; **TOS:** BAGLIETTO 1871: 274, ANZI 1862: 166, BSM 2006-2012.

***Plectocarpon* aff. *nashii* Hafellner**

BAS: B 2011a.

***Pleospora physciae* (Brackel) Hafellner & E. Zimmermann**

SIC: B 2010b.

***Polycoccum arnoldii* (Hepp) D. Hawksw.**

Older records as *Tichothecium arnoldi(i)*. **LOM:** ANZI 1860: 115, JATTA 1909-1911: 839, KEISSLER 1930, BRACKEL 2010d.

***Polycoccum bryonthae* (Arnold) Vězda**

PIE: BAGLIETTO & CARESTIA 1880: 355 (as *Endococcus b.* on an unidentified terricolous lichen), JATTA 1909-1911: 841 (as *Tichothecium bryonthae* on *Pertusaria bryonthae*).

Note: The citation "Italy" in HAWKSWORTH & DIEDERICH 1988 is incorrect ("Waldrast/Matreier Grube" is part of Tirol in Austria).

***Polycoccum cartilagosum* (Arnold) D. Hawksw.**

TAA: ARNOLD 1876c: 399, 1886: 83, HAWKSWORTH & DIEDERICH 1988, BSM 2006-2012.

***Polycoccum kernerii* J. Steiner**

SIC: B 2008a.

***Polycoccum marmoratum* (Kremp.) D. Hawksw.**

Older records as *Tichothecium marmoratum*. **LOM:** JATTA 1909-1911: 839; **TAA:** BSM 2006-2012.

***Polycoccum microcarpum* Diederich & Etayo**

TOS: B 2015a.

***Polycoccum microsticticum* (Leight.) Arnold**

TAA: ARNOLD 1887a: 92 (as *Endococcus microsticticus*), KEISSLER 1930: 476, LETTAU 1958: 161, BSM 2006-2012.

***Polycoccum peltigerae* (Fuckel) Vězda**

ABR: B 2015a.

***Polycoccum pulvinatum* (Eitner) R. Sant.**

CAL: BRACKEL & PUNTILLO in prep.; **SAR:** NIMIS & POELT 1987; **TAA:** HAFELLNER 1994b, BSM 2006-2012.

***Polycoccum slaptoniense* D. Hawksw.**

LAZ: B 2015a; TOS: B 2008c.

***Polycoccum sporastatae* (Anzi) Arnold**

Older records as *Tichothecium sporastatae*. FVG: TRETACH & HAFELLNER 2000; LOM: ANZI 1866: 257, JATTA 1909-1911: 839; PIE: BAGLIETTO & CARESTIA 1880: 355; TAA: ARNOLD 1887a: 115, BSM 2006-2012.

***Polycoccum squamarioides* (Mudd) Arnold**

TAA: BSM 2006-2012.

***Polycoccum vermicularium* (Linds.) D. Hawksw.**

TAA: JAAP 1908: 209, KEISSLER 1930: 407.

***Polycoccum versisporum* (Bagl. & Carestia) D. Hawksw.**

PIE: BAGLIETTO & CARESTIA 1880: 337, HAWKSWORTH & DIEDERICH 1988.

***Polysporina pusilla* (Anzi) M. Steiner**

ABR: MAGNUSSON 1936: 59; EMI: MAGNUSSON 1936: 59; LOM: ANZI 1862: 157, MAGNUSSON 1936: 59; MOL: MAGNUSSON 1936: 59; PUG: MAGNUSSON 1936: 59; TAA: MAGNUSSON 1936: 59.

***Pronectria echinulata* Lowen**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; LOM: B 2010d; MAR: B 2015a; SAR: BRACKEL in prep.; SIC: B 2008b.

***Pronectria erythrinella* (Nyl.) Lowen**

LOM: B 2010d.

***Pronectria fissuriprodiens* Etayo**

CAL: BRACKEL & PUNTILLO in prep.

***Pronectria oligospora* Lowen & Rogerson s.l.**

TOS: B 2015a.

***Pronectria oligospora* var. *octospora* Etayo**

LAZ: B 2015a; TOS: B 2015a.

***Pronectria pedemontana* Brackel**

FVG: B 2013; LOM: B 2013.

***Pronectria pertusariicola* Lowen**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; SIC: BSM 2006-2012; TOS: B 2015a.

***Pronectria robergei* (Mont. & Desm.) Lowen s. l.**

ABR: B 2015a; LOM: ANZI 1868a: 180 (as *Leptosphaeria mamillula* Anzi); PIE: BSM 2006-2012; TAA: B 2013b.

***Pronectria santessonii* (Lowen & D. Hawksw.) Lowen**

ABR: B 2015a; SIC: B 2008b.

***Pronectria subimperspicua* (Speg.) Lowen**

TOS: B 2015a.

***Pronectria terrestris* Lowen & Diederich**

LOM: B 2010d.

***Pronectria xanthoriae* Lowen & Diederich**

ABR: B 2015a; BAS: 2011a; SIC: B 2008b.

***Pronectria zhurbenkoi* Brackel**

TOS: B 2015a.

***Protothelenella croceae* (Bagl. & Carestia) Hafellner & H. Mayrhofer**

Older records as *Xenosphaeria croceae*. FVG: TRETACH & HAFELLNER 2000; PIE: BAGLIETTO & CARESTIA 1880: 352, JATTA 1909-1911: 843, MAYRHOFFER 1987a: 320.

***Pseudocercospora lichenum* (Keissl.) D. Hawksw.**

SIC: B 2008a; UMB: B 2015a.

***Pseudoseptoria usneae* (Vouaux) D. Hawksw.**

TAA: ARNOLD 1896d no. 1718 (as *Epicoccum usneae*), VOUAUX 1914: 196, HAWKSWORTH 1981a.

***Pyrenidium actinellum* Nyl.**

LAZ: B 2015a; LIG: TRIEBEL 1989; PIE: SACCARDO 1883: 83 (as *Leptosphaeria rivana*), TRIEBEL 1989, BSM 2006-2012; TAA: BSM 2006-2012.

***Pyrenochaeta xanthoriae* Diederich**

BAS: B 2011a; **CAL:** BRACKEL & PUNTILLO in prep.; **CAM:** PUNTILLO & BRACKEL in prep.; **PUG:** B 2011a; **SAR:** BRACKEL in prep.; **SIC:** B 2008b, **VEN:** B 2013b.

***Reconditella physconiarum* Hafellner & Matzer**

CAL: BRACKEL & PUNTILLO in prep.

***Reichlingia leopoldii* Diederich & Scheid.**

LOM: BRACKEL 2010d.

Note: possibly lichenized and not lichenicolous.

***Rhagadostoma brevisporum* (Nav.-Ros. & Hladún) Nav.-Ros.**

PIE: NAVARRO-ROSINÉS & HLADUN 1994, NAVARRO-ROSINÉS et al. 1999a.

***Rhagadostoma lichenicola* (De Not.) Keissl.**

Older records as *Bertia lichenicola*, *Rhagadostoma corrugatum*. **PIE:** BAGLIETTO & CARESTIA 1880: 356; **LOM:** ANZI 1868a: 179; **TAA:** BSM 2006-2012.

***Rhymbocarpus geographicus* (J. Steiner) Vouaux**

Older records as *Rhymbocarpus punctiformis*, *Phacopsis geographicus*. **TAA:** ARNOLD 1898c, no. 1772, LETTAU 1958b: 141, TRIEBEL 1989: 143.

***Rhymbocarpus neglectus* (Vain.) Diederich & Etayo**

FVG: TRETACH & HAFELLNER 2000.

***Roselliniella atlantica* Matzer & Hafellner**

SIC: B 2008b.

***Roselliniella cladoniae* (Anzi) Matzer & Hafellner**

Older records as *Sordaria cladoniae*. **ABR:** B 2015a; **CAL:** BRACKEL & PUNTILLO in prep.; **LAZ:** B 2015a; **LOM:** ANZI 1868a: 179, MATZER & HAFELLNER 1990; **TOS:** B 2015a; **TAA:** ANZI 1868b: (26), KEISSLER 1930: 313, MATZER & HAFELLNER 1990; **UMB:** B 2015a.

***Roselliniella microthelia* (Wallr.) Nik. Hoffmann & Hafellner**

TOS: B 2015a.

***Roselliniella pannariae* Matzer & Hafellner**

TAA: MATZER & HAFELLNER 1990.

***Roselliniopsis groedensis* (Zopf) Matzer & Hafellner**

EMI: TRETACH et al. 2008; **TAA:** ARNOLD 1897: 219, KEISSLER 1930: 311, MATZER & HAFELLNER 1990, MATZER 1993a.

***Roselliniopsis tartaricola* (Nyl. ex Leight.) Matzer**

CAL: BRACKEL & PUNTILLO in prep.

***Rosellinula haplospora* (Th.Fr. & Almqu.) R. Sant.**

TAA: ARNOLD 1888a: 14, HAFELLNER 1985a, MATZER & HAFELLNER 1990.

***Sagediopsis barbara* (Th. Fr.) R. Sant. & Triebel**

TAA: TRIEBEL 1989.

***Sagediopsis campsteriana* (Linds.) D.Hawksw. & R.Sant.**

SIC: GRILLO & CRISTAUDO 1995 (on the thallus of *Lecanora chlarotera*, dubious).

***Sagediopsis fissurisedens* Hafellner**

FVG: TRETACH & HAFELLNER 2000.

***Sarcopyrenia sigmoideospora* Tretiach & Nav.Ros.**

FVG: TRETACH & NAVARRO-ROSINÉS 1996.

***Sclerococcum griseisporodochium* Etayo**

FVG: TRETACH 2004.

***Sclerococcum montagnei* Hafellner**

SIC: B 2008b.

***Sclerococcum serusiauxii* Boqueras & Diederich**

BAS: B 2011a.

***Sclerococcum sphaerale* (Ach. ex Ficus & Schubert) Fr.**

FVG: TRETACH & HAFELLNER 2000; **EMI:** TRETACH et al. 2008; **PIE:** BSM 2006-2012; **SAR:** NIMIS & POELT 1987; **TOS:** BSM 2006-2012; **TAA:** KERNSTOCK 1890: 322 (as *Acolium corallinum*), 1896: 283, HAWKSWORTH 1975a, HAFELLNER & SANCHO 1990.

***Scutula epiblastematica* (Wallr.) Rehm**

JATTA 1909-1911: 566¹. **LOM**¹: TRIEBEL et al. 1997, BSM 2006-2012; **PIE**¹: TRIEBEL et al. 1997, BSM 2006-2012; **TOS**¹; **TAA**¹: KERNSTOCK 1895: 217, TRIEBEL et al. 1997; **VEN**¹.

***Scutula heeri* (Hepp ex A. Massal.) P. Karst.**

LOM: ANZI 1862: 150; **TAA**: KERNSTOCK 1892a: 325.

Note: slightly lichenized.

***Scutula miliaris* (Wallr.) Trevis.**

ABR: B 2015a; ?**PIE**: BAGLIETTO & CARESTIA 1865-1867: 304 (as *S. wallrothii* aggregata), BAGLIETTO & CARESTIA 1880 (as *Biatorina wallrothii* var. *aggregata*).

***Scutula stereocaulorum* (Anzi) Körber**

Older records as *Biatora stereocaulorum*, *Catillaria stereocaulorum*, *Lecidea stereocaulorum*. JATTA 1909-1911: 566¹. **LOM**¹: KÖRBER 1859-1865: 455, ANZI 1862: 155, BSM 2006-2012; **PIE**¹: BAGLIETTO & CARESTIA 1880: 301, BSM 2006-2012; **TAA**: ARNOLD 1887a: 89, KEISSLER 1930, BSM 2006-2012.

***Scutula tuberculosa* (Th. Fr.) Rehm**

JATTA 1909-1911: 566¹. **PIE**¹: BAGLIETTO & CARESTIA 1880: 301; **TAA**: ARNOLD 1887a: 133 (as *Biatorina heerii* on *Solorina saccata*); **VEN**: B 2013b.

***Skyttea buelliae* Sherwood, D. Hawksw. & Coppins**

DIEDERICH & ETAYO 2000.

***Skyttea heterochroae* Nav.-Ros. & Muniz**

CAM: PUNTILLO & BRACKEL in prep.

***Skyttea tephromelarum* Hafellner & Kalb**

Partly as *S. elachistophora*, *Rhymbocarpus elachistophorus*. **VEN**: TRIEBEL 1989, DIEDERICH & ETAYO 2000, HAFELLNER 2007b.

***Sphaerellothecium araneosum* (Rehm) Zopf**

SIC: B 2008b; **TAA**: KEISSLER 1930: 399.

***Sphaerellothecium atryneae* (Arnold) Roux & Triebel**

TAA: ARNOLD 1887a: 115, ROUX & TRIEBEL 1994, ROUX et al. 1995; **SAR**: NIMIS & POELT 1987.

***Sphaerellothecium cinerascens* Etayo & Diederich**

TOS: B 2015a ("cf.").

***Sphaerellothecium cladoniae* (Alstrup & Zhurb.) Hafellner**

ABR: B 2015a; **CAL**: BRACKEL & PUNTILLO in prep.; **FVG**: HAFELLNER et al. 2005c: 98; **LAZ**: B 2015a; **LOM**: B 2013b; **TOS**: B 2015a; **VEN**: B 2013b.

***Sphaerellothecium cladoniicola* E. S. Hansen & Alstrup**

CAL: PUNTILLO 2011.

***Sphaerellothecium contextum* Triebel**

TAA: TRIEBEL 1989.

***Sphaerellothecium episquamarinae* Etayo**

SIC: BSM 2006-2012.

***Sphaerellothecium minutum* Hafellner (1993)**

FVG: TRETACH & HAFELLNER 2000.

***Sphaerellothecium parietinarium* (Linds.) Hafellner & V. John**

CAM: PUNTILLO & BRACKEL in prep.

***Sphaerellothecium parmeliae* Diederich & Etayo**

ABR: B 2015a; **BAS**: B 2011a; **CAL**: BRACKEL & PUNTILLO in prep.

***Sphaerellothecium propinquellum* (Nyl.) Cl. Roux & Triebel**

ABR: NIMIS & TRETACH 1999.

***Sphinctrina anglica* Nyl.**

Older records as *S. microcephala* Sm., *S. microscopica* Anzi, *Calicium microscopicum* (Anzi) Jatta. **LOM**: ANZI 1860: 98, JATTA 1909-11: 125, KÖRBER 1859-1865: 288, LÖFGREN & TIBELL 1979, NIMIS 1993, PUNTILLO & PUNTILLO 2009; **TAA**: ARNOLD 1869c: 628, KERNSTOCK 1891: 720, BSM 2006-2012.

***Sphinctrina leucopoda* Nyl.**

NIMIS 1993, PUNTILLO & PUNTILLO 2009¹. **CAL**¹: BOOM & APTROOT 1990, PUNTILLO 1996; **CAM**¹: BSM 2006-2012; **LAZ**¹; **MAR**¹: NIMIS & TRETACH 1999; **SAR**: NIMIS & POELT 1987, BRACKEL in prep.; **SIC**: GRILLO & CANIGLIA 2004, B 2008b; **TOS**¹: NIMIS et al. 1990; **UMB**¹.

***Sphinctrina tubaeformis* A. Massal.**

Older records as *S. microcephala* Nyl., *Calicium microcephalum* Tul. JATTA 1909-1911: 118², NIMIS 1993³, PUNTILLO & PUNTILLO 2009¹, **CAL**^{1,3}: PUNTILLO 1996; **CAM**^{1,3}: TERRACCIANO 1872; **FVG**¹, **LAZ**^{1,3}: NIMIS 1988; **LIG**^{1,2,3}, **LOM**^{1,3}: ANZI 1860: 98, NADVORNIK 1941; **PIE**^{1,2,3}: BAGLIETTO & CARESTIA 1865-1867: 368, 1880: 249; **PUG**^{1,3}: JATTA 1875: 238, B 2011a; **SAR**³: BAGLIETTO 1879: 94, NIMIS & POELT 1987, RIZZI et al. 2011; **TOS**^{1,2,3}: ANZI 1862: 161, BAGLIETTO 1871: 256, LÖFGREN & TIBELL 1979; **TAA**³: ARNOLD 1869c, MAGNUS 1905; **VEN**^{1,2,3}: MASSALONGO 1855c, ANZI "Lich. Ven." 110, KÖRBER 1859-1865: 287, HEUFLER 1871, TREVISAN "Lichen Ven." 296, SACCARDO 1894, NADVORNIK 1941, LÖFGREN & TIBELL 1979, TIBELL 1996, CANIGLA et al. 1985.

***Sphinctrina turbinata* (Pers.) De Not.**

Older records as *Alcolium stigonellum*. JATTA 1909-1911³: 118, NIMIS 1993², PUNTILLO & PUNTILLO 2009¹, **ABR**^{1,3}: NIMIS & TRETACH 1999; **BAS**^{1,2,3}: JATTA 1889; **CAL**^{1,2}: JATTA 1889, PUNTILLO 1996, BSM 2006-2012; **CAM**^{1,2,3}: JATTA 1889, 1892b: 210; **EMI**^{1,2}: AVETTA 1898, NIMIS 1985b; **LIG**³, **LOM**^{1,2,3}: ANZI 1860: 98, STIZENBERGER 1882, LÖFGREN & TIBELL 1979, NIMIS 1985b, BSM 2006-2012; **PIE**^{1,2,3}: BAGLIETTO & CARESTIA 1865-1867: 368, 1880: 249; **PUG**^{1,2,3}: JATTA 1886: 86, 1889, LÖFGREN & TIBELL 1979; BSM 2006-2012; **SAR**^{1,2,3}: NIMIS & POELT 1987, BSM 2006-2012; **SIC**^{1,2}: GRILLO & ROMANO 1989, GRILLO 1993, GRILLO & CHRISTAUDO 1995, RIZZI et al. 2011, NIMIS et al. 1994; **TOS**^{1,2,3}: ANZI 1862: 160, BAGLIETTO 1871: 255, SACCARDO 1894, TASSI 1898; **VEN**³.

***Spirographa fusisporella* (Nyl.) Zahlbr.**

TOS: B 2015a.

***Stigmatidium acetabuli* Calatayud & Triebel**

BAS: B 2011a; **CAL**: BRACKEL & PUNTILLO in prep.; **SIC**: B 2008b.

***Stigmatidium aggregatum* (Mudd) D. Hawksw.**

EMI: TRETACH et al. 2008; **SAR**: NIMIS & POELT 1987 (as *Pharcidia microspila* var. *pertusariae* B. de Lesd., on *Pertusaria pertusa*, dubious).

***Stigmatidium arthoniae* (Arnold) Hafellner**

Older records as *Spaerella arthoniae*, *Pharcidia arthoniae*. **TAA**: ARNOLD 1872b: 304, 1874a: 152, 175, KEISSLER 1930: 365.

***Stigmatidium cerinae* Cl. Roux & Triebel**

TAA: HAFELLNER 1994b, ROUX & TRIEBEL 1994, BSM 2006-2012.

***Stigmatidium cladoniicola* Zhurb. & Diederich**

?**TOS**: B 2015a ("cf.").

***Stigmatidium collematis* Cl. Roux & Triebel**

TAA: ARNOLD 1876c: 414 (as *Pharcidia schaeereri* var. *croceae* on *Lethagrium polycarpon* = *Collema p.*), ROUX & TRIEBEL 1994, ROUX et al. 1995 (probably not **VEN** as indicated in ROUX & TRIEBEL 1994, as Arnold collected in Tyrol and the top of the Monte Piano is located in **TAA**).

***Stigmatidium congestum* (Körb.) Triebel**

Older records as *Pharcidia congesta*. **ABR**: NIMIS & TRETACH 1999; B 2015a; **BAS**: B 2011a; **CAL**: BRACKEL & PUNTILLO in prep.; **CAM**: JATTA 1880: 242; **LAZ**: B 2015a; **LOM**: ROUX & TRIEBEL 1994, BSM 2006-2012; **MOL**: BSM 2006-2012; **PUG**: JATTA 1875: 238, NIMIS & TRETACH 1999; **SAR**: NIMIS & POELT 1987; **SIC**: B 2008a, B 2008b; **TAA**: KERNSTOCK 1892b: 349, 1896: 302; **TOS**: B 2015a.

***Stigmatidium degelii* R. Sant.**

CAL: BRACKEL & PUNTILLO in prep.

***Stigmatidium eucline* (Nyl.) Vězda**

EMI: TRETACH et al. 2008; **FVG**: TRETACH & HAFELLNER 2000.

***Stigmatidium exasperatum* Etayo**

Probably this one: *Pharcidia lichenum* f. *olivaceae*, on *Imbricaria olivacea*, **TAA**: ARNOLD 1872b: 302.

***Stigmatidium frigidum* (Th. Fr. ex Sacc.) Alstrup & D. Hawksw.**

FVG: TRETACH & HAFELLNER 2000.

***Stigmatidium fuscatae* (Arnold) R. Sant.**

Older records as *Arthopyrenium lichenum* f. *fuscatae*. **LOM**: B 2010d; **SIC**: B 2008b; **TAA**: ARNOLD 1872b: 302, 1887a: 92, KERNSTOCK 1892b: 349, 1895: 203, VOUAUX 1912: 238, BSM 2006-2012.

***Stigmatidium hageniae* (Rehm) Hafellner**

SAR: BRACKEL in prep.

***Stigmatidium hygrophilum* (Arnold) R. Sant.**

PIE: BAGLIETTO & CARESTIA 1880: 355 (as *Endococcus hygrophilus*).

***Stigmatidium joergensenii* R. Sant.**

TAA: ARNOLD 1887a: 95 (as *Pharcidia croceae* on *Normandina laetevirens* = *Marchandiomphalina hudsoniana*), ROUX & TRIEBEL 1994, BSM 2006-2012.

***Stigmidium lecidellae* Triebel, Roux & Le Coeur**

LAZ: B 2015a; PUG: B 2011a; SAR: NIMIS & POELT 1987, ROUX et al. 1995; SIC: B 2008b.

***Stigmidium microspilum* (Körb.) D. Hawksw.**

CAL: BRACKEL & PUNTILLO in prep.; FVG: TRETACH 1993, B 2013b; LAZ: B 2015a; TOS: B 2015a.

***Stigmidium mycobilimbiae* Cl. Roux, Triebel & Etayo**

VEN: ROUX & TRIEBEL 1994, BSM 2006-2012, B 2013b.

***Stigmidium neofusceliae* Calatayud & Triebel**

SIC: B 2008a, 2008b.

***Stigmidium peltideae* (Vain.) R. Sant.**

EMI: B 2015a; LAZ: B 2015a; TOS: B 2015a; TAA: ROUX & TRIEBEL 1994, BSM 2006-2012; VEN: B 2013b.

***Stigmidium placynthii* Cl. Roux & Nav.-Ros.**

TAA: ARNOLD 1876c: 397, 414 (as *Pharcidia schaeereri* on *Placynthium nigrum*).

***Stigmidium psorae* (Anzi) Hafellner**

Older records as *Sphaerella psorae* Anzi. EMI: NIMIS et al. 1996b; LOM: ANZI 1868a: 180, TRIEBEL 1989; TAA: TRIEBEL 1989.

***Stigmidium pumilum* (Lettau) Matzer & Hafellner**

ABR: B 2015a; LAZ: B 2015a; SIC: B 2008b.

***Stigmidium ramalinae* (Müll. Arg.) Etayo & Diederich**

TOS: B 2015a.

***Stigmidium rivulorum* (Kernst.) Cl. Roux & Nav.-Ros.**

Older records as *Arthopyrenia rivulorum*. TAA: ARNOLD 1893, KERNSTOCK 1895: 211, BSM 2006-2012.

***Stigmidium rouxianum* Calatayud & Triebel**

TAA: CALATAYUD & TRIEBEL 2003.

***Stigmidium schaeereri* (A. Massal.) Trevis.**

Older records as *Pharcidia s.*, *Sphaerella s.*, *Sphaeria s.* LOM: MASSALONGO 1853, ANZI 1868a: 180, ROUX & TRIEBEL 1994, BSM 2006-2012; TAA: ARNOLD 1887a: 133, ROUX & TRIEBEL 1994, BSM 2006-2012; VEN: ROUX & TRIEBEL 1994.

***Stigmidium solorinarium* (Vain.) D. Hawksw.**

TAA: B 2013b; VEN: B 2013b.

***Stigmidium squamariae* (de Lesd.) Cl. Roux & Triebel**

LOM: ANZI 1864: 27, 1868b, 525b (as *Conida clemens*), ROUX & TRIEBEL 1994;; SIC: B 2008a, B 2008b; TOS: B 2015a.

***Stigmidium tabacinae* (Arnold) Triebel**

CAL: BRACKEL & PUNTILLO in prep.; EMI: NIMIS et al. 1996b; PUG: B 2011a; SAR: NIMIS & POELT 1987; SIC: B 2008b; VEN: TRIEBEL 1989.

***Stigmidium verrucariarum* (Arnold) Sacc.**

TAA: BSM 2006-2012.

***Stigmidium xanthoparmeliarum* Hafellner**

CAL: BRACKEL & PUNTILLO in prep.; TOS: B 2015a; TAA: HAFELLNER 1994c, BSM 2006-2012, B 2013b.

***Syzygospora physciacearum* Diederich**

ABR: B 2015a; BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; MOL: B 2015a; PUG: B 2011a; SAR: BRACKEL in prep.; TOS: B 2015a; UMB: B 2015a; VEN: B 2013b.

***Taeniolella beschiana* Diederich**

LAZ: B 2015a; SIC: B 2008a, 2008b; TOS: B 2015a.

***Taeniolella breviscula* (Berk. & M.A. Curtis) S. Hughes**

LAZ: B 2015a.

***Taeniolella cladinicola* Alstrup**

TAA: B 2013b.

***Taeniolella delicata* M.S. Christ & D. Hawksw.**

TOS: Prov. di Siena, Siena, Orto Botanico, on *Olea europaea*, on *Physcia tenella*, 330 m, 13.9.2007, W. v. Brackel (hb ivl 5811).

***Taeniolella friesii* (Hepp) Hafellner**

FVG: HAFELLNER 1998b.

***Taeniolella pertusariicola* D. Hawksw. & H. Mayrhofer**

LAZ: B 2015a; PUG: B 2011a.

***Taeniolella phaeophysciae* D. Hawksw.**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; FVG: B 2013b; LAZ: B 2015a; LOM: B 2010d; PUG: B 2011a; TAA: B 2013b.

***Taeniolella punctata* M.S. Christ. & D. Hawksw.**

CAL: BRACKEL & PUNTILLO in prep.

***Taeniolina scripta* (P. Karsten) P.M. Kirk**

ABR: B 2015a.

***Telogalla olivieri* (Vouaux) Nik. Hoffm. & Hafellner**

ABR: B 2015a; BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; MAR: B 2015a; LOM: B 2010d; PUG: B 2011a; SAR: BRACKEL in prep.; SIC: B 2008a, B 2008b; TOS: B 2015a; UMB: B 2015a.

***Tetramelas pulverulentus* (Anzi) A. Nordin & Tibell**

JATTA 1909-1911: 761 (as *Arthonia muscigenae*)¹, 767 (as *Abrothallus pulverulentus*)². LOM^{1,2}: ANZI 1860: 116, HAFELLNER 1979; AOS: HAFELLNER 1979; SAR: NIMIS & POELT 1987, BRACKEL in prep.

***Thelocarpon epibolum* Nyl.**

NIMIS 1993¹, HAFELLNER & OBERMAYER 1995, NIMIS & MARTELLOS 2007². FVG²; TAA^{1,2}: ARNOLD 1887a: 89, DALLA TORRE & SARNTHEIN 1905, MAGNUSSON 1935-1936: 301, SALISBURY 1953, 1966. VEN².

***Thelocarpon epibolum* var. *epithallinum* (Leight. ex Nyl.) G. Salisb.**

TAA: B 2013b; VEN: B 2013b.

***Thelocarpon impressellum* Nyl.**

TAA: ARNOLD 1887a: 126 (on *Squamarina cartilaginea*?).

***Thelocarpon lichenicola* (Fuckel) Poelt & Hafellner**

Older records as *Ahlesia lichenicola*. TAA: MAGNUSSON 1935-1936: 48, SALISBURY 1974, NIMIS 1993.

***Toninia collematicola* Timdal**

NIMIS 1993, NIMIS & MARTELLOS 2007¹. FVG¹: TIMDAL 1991; LOM¹: TIMDAL 1991.

***Toninia episema* (Nyl.) Timdal**

NIMIS 1993¹, NIMIS & MARTELLOS 2007². ABR²: NIMIS & TRETACH 1999; BAS^{1,2}: HAFELLNER 1984, 2006; CAL^{1,2}: TIMDAL 1991, PUNTILLO 1996; CAM^{1,2}: CUFINO 1906, APRILE et al. 2003; EMI^{1,2}: AVETTA 1898, ZANFROGNINI 1902; FVG^{1,2}: TIMDAL 1991; LAZ: NIMIS et al. 1987; LIG²: HAFELLNER 2006; LOM^{1,2}: ANZI 1860; MAR²: NIMIS & TRETACH 1999; MOL²: NIMIS & TRETACH 1999; PIE^{1,2}: BAGLIETTO & CARESTIA 1864, 1880, ISOCRONO & al. 2004; PUG²: NIMIS & TRETACH 1999; SAR^{1,2}: NIMIS & POELT 1987, TIMDAL 1991, BSM 2006-2012; SIC: TIMDAL 1991, VAN DEN BOOM 1992, NIMIS et al. 1994, B 2008b; TOS^{1,2}: BAGLIETTO 1871: 267, HAFELLNER 2006, BSM 2006-2012; UMB²: GENOVESI & RAVERA 2001, RAVERA & al. 2006.

***Toninia leptogii* Timdal**

NIMIS & MARTELLOS 2007¹. CAL¹: TIMDAL 1991, 1992, PUNTILLO 1996, DIEDERICH 2007c.

***Toninia plumbina* (Anzi) Hafellner & Timdal**

NIMIS & MARTELLOS 2007¹; older records as *Leciographa p.* BAS¹: BARTOLI & PUNTILLO 1996, 1998; CAL¹: VAN DEN BOOM & APTROOT 1990, PUNTILLO 1996, PUNTILLO & PUNTILLO 2004, BRACKEL & PUNTILLO in prep.; CAM¹: TIMDAL 1991, NIMIS & TRETACH 2004; LAZ¹: RAVERA 2001; LIG¹: BRUNIALTI et al. 2001; SAR¹: BAGLIETTO 1879: 121, NIMIS & POELT 1987; TOS¹: ANZI 1862: 158, BAGLIETTO 1871: 279, TIMDAL 1991; UMB¹: RAVERA 1998, RAVERA et al. 2006.

***Toninia subfuscae* (Arnold) Timdal**

NIMIS & MARTELLOS 2007¹; EMI¹: GASPARO & TRETACH 1996, NIMIS et al. 1996b; FVG¹; SAR¹: TIMDAL 1991; SIC¹: TIMDAL 1991, VAN DEN BOOM 1992, NIMIS et al. 1996a; TOS¹.

***Trematosphaeriopsis parmeliiana* (Jacz.) Elenkin**

LOM: B 2010d; TAA: HAFELLNER 2001, B 2010d.

***Tremella* sp. on *Anaptychia ciliaris* sensu Diederich**

SAR: BRACKEL in prep.;

***Tremella caloplacae* (Zahlbr.) Diederich**

LAZ: B 2015a; SAR: BRACKEL in prep.

***Tremella cetrariicola* Diederich & Coppins**

CAL: BRACKEL & PUNTILLO in prep.

***Tremella cladoniae* Diederich & M.S. Christ.**

LOM: B 2010d.

***Tremella everniae* Diederich**

CAL: BRACKEL & PUNTILLO in prep.

***Tremella hypogymniae* Diederich & M.S. Christ.**

CAL: BRACKEL & PUNTILLO in prep.; LOM: B 2010d; TOS: B 2015a; VEN: B 2013b.

***Tremella parmeliarum* Diederich**

LAZ: B 2015a.

***Tremella pertusariae* Diederich**

ABR: B 2015a; LAZ: DIEDERICH 1996.

***Tremella ramalinae* Diederich**

BAS: B 2011; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; PUG: B 2011; SIC: B 2008a, B 2008b; TOS: B 2015a.

***Trichonectria anisospora* (Lowen) van den Boom & Diederich**

LOM: B 2010d; SAR: BRACKEL in prep.; TOS: B 2008c, B 2015a; TAA: B 2006a.

***Trichonectria hirta* (A. Bloxam) Petch**

UMB: B 2015a.

***Trichonectria rubefaciens* (Ellis & Everh.) Diederich & Schroers.**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LOM: B 2010d; SIC: B 2008b; TOS: B 2015a.

***Trimmatostroma cetrariae* Brackel**

ABR: ZHURBENKO & BRACKEL 2013, B 2015a.

***Trimmatostroma glebarum* Brackel**

PUG: B 2015a; LAZ: B 2015a; SAR: BRACKEL in prep.; TOS: B 2015a.

***Tubeufia heterodermiae* Etayo**

CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a.

***Unguiculariopsis lettaui* (Grumann) Coppins**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; TOS: COPPINS 1988c, DIEDERICH & ETAYO 2000; SAR: BRACKEL in prep.; TAA: HAFELLNER 1996b, DIEDERICH & ETAYO 2000, BSM 2006-2012, B 2013b.

***Unguiculariopsis lucaniae* Brackel**

BAS: B 2011a.

***Unguiculariopsis thallophila* (P. Karst.) W. Y. Zhuang**

ABR: B 2015a; BAS: B 2011a; LAZ: B 2015a; MAR: B 2015a; SIC: BSM 2006-2012, B 2008b; TOS: B 2015a; VEN: B 2013b.

***Vouauxiella lichenicola* (Linds.) Petr. & Syd.**

ABR: B 2015a; CAL: BRACKEL & PUNTILLO in prep.; LOM: LETTAU 1958: 166; PUG: B 2011a; SIC: NIMIS et al. 1994; TOS: B 2015a.

***Vouauxiella verrucosa* (Vouaux) Petr. & Syd.**

BAS: B 2011a; CAM: PUNTILLO & BRACKEL in prep.; TOS: B 2015a.

***Vouauxiomyces ramalinae* (Nordin) D.Hawksw.**

BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; PUG: B 2011a; SIC: B 2008a, B 2008b.

***Vouauxiomyces truncatus* (de Lesd.) Dyko & D.Hawksw.**

LOM: B 2013b; TOS: B 2008c.

***Weddellomyces aff. aspiciliicola* Alstrup**

LAZ: BRACKEL 2015a.

***Weddellomyces epicallopiisma* (Weddell) D. Hawksw.**

BAS: CALATAYUD & NAVARRO-ROSINÉS 1998; SAR: NIMIS & POELT 1987; SIC: B 2008b.

***Weddellomyces macrosporus* D.Hawksw., Renobales & Coppins**

TOS: B 2015a.

***Xanthoriicola physciae* (Kalchbr.) D. Hawksw.**

ABR: B 2015a; BAS: NIMIS & TRETACH 1999, B 2011a; CAL: BRACKEL & PUNTILLO in prep.; CAM: PUNTILLO & BRACKEL in prep.; LAZ: B 2015a; LOM: SANTESSON 1994a, BSM 2006-2012, B 2013b; MAR: B 2015a; PUG: B 2011a; SAR: BRACKEL in prep.; SIC: NIMIS et al. 1994; TOS: B 2008c, B 2015a; UMB: B 2015a.

***Xenonectriella leptaleae* (J. Steiner) Rossman & Lowen**

ABR: B 2015a; BAS: B 2011a; CAL: BRACKEL & PUNTILLO in prep.; MAR: B 2015a; SAR: Franz Berger, pers. com.; SIC: B 2008a, B 2008b; TOS: B 2015a; TAA: Franz Berger, pers. com.

***Xenonectriella septemseptata* (Etayo) Etayo & van den Boom**

CAL: BRACKEL & PUNTILLO in prep.; LAZ: B 2015a; PUG: B 2011a; TOS: B 2015a.

***Zwackhiomyces berengerianus* (Arnold) Grube & Triebel**

TAA: TRIEBEL 1989, GRUBE & HAFELLNER 1990, BSM 2006-2012.

***Zwackhiomyces calcariae* (Flagey) Hafellner & Nik. Hoffm.**

SIC: NIMIS et al. 1994 (as *Pharcidia calcariae*); SAR: NIMIS & POELT 1987 (as *Pharcidia calcariae* (Flag.) f. *macrospora* Vouaux auf *Aspicilia* sp.), GRUBE & HAFELLNER 1990: 330.

***Zwackhiomyces coepulonus* (Norm.) Grube & R. Sant.**

ABR: NIMIS & TRETACH 1999, B 2015a; SIC: B 2008a, B 2008b; TAA: GRUBE & HAFELLNER 1990, BSM 2006-2012.

***Zwackhiomyces echinulatus* Brackel**

SIC: B 2008b.

***Zwackhiomyces inconspicuus* Grube & Hafellner**

TAA: GRUBE & HAFELLNER 1990.

***Zwackhiomyces lecanorae* (Stein) Nik. Hoffm. & Hafellner**

SIC: HOFFMANN & HAFELLNER 2000; TOS: HOFFMANN & HAFELLNER 2000; TAA: HOFFMANN & HAFELLNER 2000.

***Zwackhiomyces martinianus* (Arnold) Triebel & Grube**

SIC: TRIEBEL 1989, BSM 2006-2012; VEN: ANZI "Lich. Ven." no. 77a (as *Lecidea* m.), ARNOLD 1871b: 147, TRIEBEL 1989, GRUBE & HAFELLNER 1990, BSM 2006-2012.

***Zwackhiomyces sphinctrinaeformis* Grube & Hafellner**

LAZ: B 2015a; TOS: GRUBE & HAFELLNER 1990.

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