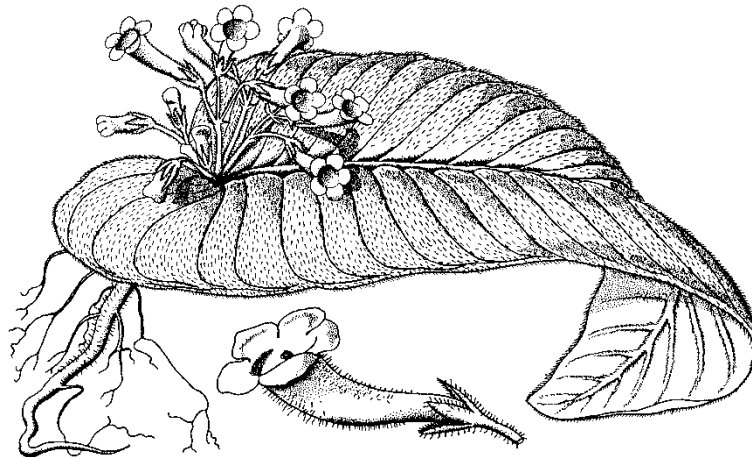


FRITSCHIANA

86



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

Helmut MAYRHOFER, Danijela STEŠEVIĆ, Andreas BRUDERMANN,
Beate Raffaella FÖTSCHL & Peter Othmar BILOVITZ

**New or otherwise interesting lichenized and
lichenicolous fungi from Montenegro II**

Josef HAFELLNER

Lichenicolous Biota (Nos 251–270)

Graz, 20. Dezember 2017

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

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

Nachrufe: KNOLL F. 1934: Karl Fritsch. - Berichte der Deutschen Botanischen Gesellschaft 51: (157)–(184) [mit Schriftenverzeichnis]. — KUBART B. 1935: Karl Fritsch. - Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark 71: 5–15 [mit Porträt]. — TEPPNER H. 1997: Faszination versunkener Pflanzenwelten. Constantin von Eettingshausen - ein Forscherportrait. - Mitteilungen Geologie und Paläontologie am Landesmuseum Joanneum 55: 133–136. — Im übrigen vgl. STAFLEU F.A. & COWAN R.S. 1976, Taxonomic Literature 1: 892 und BARNHART J.H. 1965: Biographical Notes upon Botanists 2: 12.

Graz, November 1997

Herwig TEPPNER

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

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New or otherwise interesting lichenized and lichenicolous fungi from Montenegro II

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& Peter Othmar BILOVITZ¹

MAYRHOFER H., STEŠEVIĆ D., BRUDERMANN A., FÖTSCHL B.R. & BILOVITZ P.O. 2017. New or otherwise interesting lichenized and lichenicolous fungi from Montenegro II. - *Fritschiana* (Graz) 86: 1–30. - ISSN 1024-0306.

Abstract: A list of two hundred and twelve taxa of lichenized fungi, three species of lichenicolous fungi, and two non-lichenized fungi is presented. Thirtysix lichenized taxa (thirtytwo species, one subspecies and three varieties), the lichenicolous fungus *Biatoropsis usnearum*, and the non-lichenized fungus *Microcalicium arenarium* are new to Montenegro.

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Introduction

The lichens of Montenegro, a country on the Balkan Peninsula, are still poorly studied, although the publication of the catalogue of lichenized and lichenicolous fungi by KNEŽEVIĆ & MAYRHOFER (2009) has stimulated further floristic contributions (BILOVITZ et al. 2010, MAYRHOFER et al. 2013, STRASSER et al. 2015) improving the knowledge of the lichen diversity in some regions of the country. The present study only reports taxa which are new to certain geographic units, similar to the first contribution by BILOVITZ et al. (2008).

The lichen mycota of Montenegro as currently known comprises 850 lichenized fungi (825 species), 45 lichenicolous fungi, and 13 non-lichenized fungi traditionally treated by lichenologists and included in lichenological literature.

Material and methods

The paper is based on fieldwork during two short botanical excursions in the years 2011 and 2016. The specimens were identified using routine light microscopy techniques, with the aid of the following literature: POELT (1969), POELT & VĚZDA (1977), CLAUZADE & ROUX (1985), HERTEL (1995), KOWALEWSKA et al. (2008), RANDLANE et al. (2009), SAAG et al. (2009), SMITH et al. (2009), KUKWA (2011), SPRIBILLE et al. (2014) and WIRTH et al. (2013). Some of the identifications required verification by standardized thin-layer chromatography (TLC) following the protocols of WHITE & JAMES (1985) and ORANGE et al. (2010). The specimens are preserved in the herbarium of the Institute of Plant Sciences, University of Graz (GZU). The nomenclature follows HAFELLNER & TÜRK (2016) and, for taxa not represented in this study, NIMIS (2016). New records for Montenegro are marked with an asterisk (*).

List of lichenized fungi

Acarospora cervina A.Massal.

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01"E, 1893 m, limestone, 17.06.2011, Mayrhofer 19043 & Brudermann (GZU 000293085).

Acarospora macrospora (Hepp) A.Massal. ex Bagl.

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19083 & Brudermann (GZU 000295303).

Amandinea punctata (Hoffm.) Coppins & Scheid.

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, 12.06.2009, Mayrhofer 18469 (GZU). - National Park Biogradska Gora, Biogradska jezero, path on the lakefront, 42°53'48"N, 19°36'06"E, 1110 m, on lignum, 10.06.2016, Mayrhofer 21209 & Fötschl (GZU 000331709). - Sinjavina, Gornje Lipovo, 42°52'57"N, 19°23'57"E, 1195 m, on lignum, 09.06.2016, Mayrhofer 21135 & Tschuden (GZU 000331635).

Anaptychia ciliaris (L.) Flot.

Sinjavina, NE-facing slope of Babin Zub, 42°52'06"N, 19°23'25"E, 1420 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21144 & Tschuden (GZU 000331644).

Arthonia atra (Pers.) A.Schneid. (syn. *Opegrapha a.*)

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Fraxinus ornus*, 30.04.2010, Magnes (GZU). - National Park Biogradska Gora, Biogradska jezero, path on the lakefront, 42°53'52"N, 19°35'58"E, 1110 m, on *Acer pseudo-platanus*, 10.06.2016, Mayrhofer 21203 & Fötschl (GZU 000331703).

Arthonia lapidicola (Taylor) Branth & Rostr.

Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, limestone, 17.06.2011, Mayrhofer 19093 & Brudermann (GZU 000295317).

Note: This species was only known from Lovćen (SERVÍT 1931).

* ***Arthrorhaphis alpina*** (Schaer.) R.Sant.

Durmitor National Park, steep slopes of Sedlena Greda above the pass Sedlo, east facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, calcareous soil, 17.06.2011, Mayrhofer 19001 & Müllneritsch (GZU 000293041).

Aspicilia caesiocinerea (Nyl. ex Malbr.) Arnold

Komovi, Kom Vasojevički, c. 100 m NNW of Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21031 & Fötschl (GZU 000331531, associated with *Miriquidica instrata* and *Rhizocarpon geographicum*). Same locality, Mayrhofer 21063 (GZU 000331563, associated with *Lecidella carpathica*, *Protoparmeliopsis muralis*, *Rhizocarpon geographicum*, and *R. polycarpum*).

Aspicilia calcarea (L.) Bagl.

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'01"E, 1893 m, 17.06.2011, Mayrhofer 19088 & Brudermann (GZU 000295308). Same locality, 43°05'54"N, 19°03'04"E, 1853 m, 17.06.2011, Mayrhofer 19084 & Brudermann (GZU 000295304). - East of Stari Bar, southern and southeastern slopes of the Velji Brijeg, 42°07.179N, 19°06.593E, c. 100 m, on calcareous rocks, 28.04.2010, Magnes (GZU).

Aspicilia verrucosa (Ach.) Körb. (syn. *Megaspora* v.)

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01"E, 1893 m, plant remnants, 17.06.2011, Mayrhofer 19046 & Brudermann (GZU 000293088). Same locality, 43°05'54"N, 19°03'04"E, 1853 m, plant remnants, 17.06.2011, Mayrhofer 19073 & Brudermann (GZU 000292326). - Komovi, Kom Vasojevički, N-facing slope, 42°41'48"N, 19°40'27"E, 1900 m, on lignum of dwarf-shrub, 11.06.2016, Mayrhofer 21061 & Fötschl (GZU 000331561). Same locality, 1890 m, plant remnants, 11.06.2016, Mayrhofer 21060 & Fötschl (GZU 000331560).

Bacidia herbarum (Stizenb.) Arnold

Durmitor National Park, pass Sedlo, plant remnants, 43°05'54"N, 19°03'04"E, 1853 m, 17.06.2011, Mayrhofer 19087 & Brudermann (GZU 000295307).

Note: This species was only known from Planinica northeast of the Čakor pass (STRASSER et al. 2015).

Bagliettoa baldensis (A.Massal.) Vězda

Durmitor National Park, pass Sedlo, rocks near the ground, limestone, 43°05'54"N, 19°03'04"E, 1853 m, 17.06.2011, Mayrhofer 19066 & Brudermann (GZU 000293108). - National Park Biogradska Gora, Biogradska jezero, near parking site, *Fagus sylvatica* forest, 42°54'02"N, 19°35'42"E, 1120 m, limestone boulder in forest, 10.06.2016, Mayrhofer & Fötschl (GZU).

Bagliettoa parmigera (J.Steiner) Vězda & Poelt

National Park Biogradska Gora, Biogradska jezero, near parking site, *Fagus sylvatica* forest, 42°54'02"N, 19°35'42"E, 1120 m, limestone boulder in forest, 10.06.2016, Mayrhofer & Fötschl (GZU).

****Biatora rhododendri*** (Hepp) Arnold

Komovi, Kom Vasojevički, c. 700 m NNW Eko Katun Štavna, 42°42'26"N, 19°40'38"E, 1761 m, on dead twig of *Juniperus nana* close to the ground, 11.06.2016, Mayrhofer 21013 & Fötschl (GZU 000331506).

Bilimbia sabuletorum (Schreb.) Arnold

Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'47"N, 19°40'27"E, 1900 m, plant remnants, 11.06.2016, Mayrhofer 21012 & Fötschl (GZU 000331521).

Bryobilimbia hypnorum (Lib.) Fryday, Printzen & S.Ekman (syn. *Mycobilimbia h.*, *Lecidea h.*)

Durmitor National Park, pass Sedlo, 43°05'52,8"N, 19°03'07,74"E, 1905 m, plant remnants, 17.06.2011, Mayrhofer 19022 & Brudermann (GZU 000293064). - Kanjon Mrtvice, S of Međuriječje, along the path over river Mrtvica, 42°44'N, 19°20'01"E, 300 m, bryophytes, 08.06.2016, Mayrhofer 21126 & Kaltenböck (GZU 000331626).

****Bryoria taborensis*** (Gyeln.) Hafellner & Obermayer

Sinjavina, NE-facing slope of Babin Zub, 42°52'41"N, 19°23'06"E, 1400 m, 09.06.2016, Mayrhofer 21149 & Tschuden (GZU 000331649).

Buellia aethalea (Ach.) Th.Fr.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, argillaceous schist, 11.06.2016, Mayrhofer 21050 & Fötschl (GZU 000331550, associated with *Polysporina simplex*).

Buellia griseovirens (Turner & Borrer ex. Sm.) Almb.

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19131 & Brudermann (GZU 000295028, sub *Rinodina capensis*). - Sinjavina, Gornje Lipovo, 42°52'19"N, 19°25'07"E, 1075 m, on lignum, 09.06.2016, Mayrhofer 21133 & Tschuden (GZU 000331633). - Komovi, Kom Vasojevički, NNW-facing slope, 42°41'49"N, 19°40'24"E, 1860 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21053 & Fötschl (GZU 000331553).

****Callome multipartita*** (Sm.) Otálora, P.M.Jørg. & Wedin (syn. *Collema multipartitum*)

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01"E, 1993 m, limestone, 17.06.2011, Mayrhofer 19034 & Brudermann (GZU 000293076).

Calogaya arnoldiiconfusa (Gaya & Nav.-Ros.) Arup, Frödén & Söchting (syn. *Caloplaca a.*)

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01"E, 1893 m, limestone, 17.06.2011, Mayrhofer 19039 & Brudermann (GZU 000293081).

- * ***Calogaya pusilla*** (A.Massal.) Arup, Frödén & Søchting. (syn. *Caloplaca p.*)
Durmitor National Park, Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, limestone, 17.06.2011, Mayrhofer 19092 & Brudermann (GZU 000295316).
- * ***Calogaya rouxii*** (Gaya, Nav.-Ros. & Llimona) ined. (syn.: *Caloplaca r.*)
Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'53"N, 19°03'08"E, 1905 m, limestone, 17.06.2011, Mayrhofer 19015 & Müllneritsch (GZU 000293057).
- Caloplaca australis*** (Arnold) Zahlbr. (syn. *Variospora a.*)
Durmitor National Park, steep slopes of Sedlena Greda above the pass Sedlo, east facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19080 & Müllneritsch (GZU 000293055).
- Caloplaca flavescens*** (Huds.) J.R.Laundon (syn. *Variospora f.*)
Kanjon Mrtvice, S of Međuriječje, towards the bridge along the path over river Mrtvice, 42°43'33"N, 19°21'38"E, 235 m, limestone, 08.06.2016, Mayrhofer 21119 & Kaltenböck (GZU 000331619).
- Caloplaca flavocitrina*** (Nyl.) H.Olivier (syn. *Flavoplaca c.*)
Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, limestone, 08.06.2016, Mayrhofer 21108 (GZU 000331608, associated with *Catillaria lenticularis* and *Lecania inundata*).
Note: This species was only known from the environs of Sv. Stefan near Budva (BILOVITZ et al. 2008).
- Caloplaca herbidella*** (Nyl. ex Hue) H.Magn. (syn. *Blastenia h.*)
Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU).
- Caloplaca holocarpa*** (Ach.) A.E.Wade (syn. *Athallia h.*)
Biogradska Gora National Park, Biogradska jezero, path on the lakefront, horizontal wooden board at a shelter, 42°53'48"N, 19°36'06"E, c. 1110 m, 10.06.2016, Mayrhofer 21211 & Fötschl (GZU 000331711).
- * ***Caloplaca hungarica*** H.Magn. (syn. *Blastenia h.*)
Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, on *Fagus sylvatica*, 18.06.2011, Mayrhofer 19152 & Brudermann (GZU 000295107).
- * ***Caloplaca inconnexa*** (Nyl.) Zahlbr.
Prokletije, Mountain Planinica NE of Čakor Pass, SW facing slopes with exposed rocks, 42°40'48"N, 20°00'47"E, c. 2020 m, on limestone, 23.08.2009, Dragojević & Mayrhofer 18816 (GZU 000292792).
- * ***Caloplaca oasis*** (A.Massal.) Szatala subsp. ***oasis*** (syn. *Flavoplaca o.*)
Road from Duzi village to Dragisnica forest, c. 1200 m, calcareous rock, 25.08.2013, B. Knežević (GZU).

Caloplaca ochracea (Schaer.) Th.Fr. (syn. *Xanthocarpia o.*)

Kanjon Mrtvice, S of Međuriječje, towards the bridge along the path over river Mrtvica, 42°43'33"N, 19°21'38"E, 235 m, limestone, 08.06.2016, Mayrhofer 21120 & Kaltenböck (GZU 000331620).

Caloplaca pollinii (A.Massal.) Jatta (syn. *Huneckia p.*)

Plavi Horizonti beach, 1.7 km SE Radoviči, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer 21088 (GZU 000331588).

Caloplaca sinapisperma (DC.) Maheu & Gillet (syn. *Blastenia s.*)

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01,5"E, 1893 m, plant remnants, 17.06.2011, Mayrhofer 19044 & Brudermann (GZU 000293086).

Caloplaca stillicidiorum (Vahl) Lynge

Durmitor National Park, pass Sedlo, 43°05'53"N, 19°03'08"E, 1905 m, on *Juniperus communis* subsp. *nana*, 17.06.2011, Mayrhofer 19021 & Brudermann (GZU 000293063). Same locality, 43°05'54"N, 19°03'03"E, 1870 m, on plant remnants in a crevice, 17.06.2011, Mayrhofer 19050 & Brudermann (GZU 000293092). - Komovi, Kom Vasojevički, c. 700 m SW Eko Katun Štavna, c. 150 NW Katun Vulića, 42°42'27"N, 19°40'38"E, 1761 m, on *Juniperus nana*, 11.06.2016, Mayrhofer 21056 & Fötschl (GZU 000331556). - Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'48"N, 19°40'27"E, 1900 m, plant remnants, 11.06.2016, Mayrhofer 21020 & Fötschl (GZU 000331519).

* ***Caloplaca* cf. *subpallida*** H.Magn. (syn. *Rufoplaca s.*)

Komovi Mountains, Kom Vasojevički, SE facing slope c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, c. 1734 m, on argillaceous schist, 11.06.2016, Mayrhofer 21048 & Fötschl (GZU 000331548).

Caloplaca tirolensis Zahlbr. (syn. *Parvoplaca t.*)

Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'47"N, 19°40'27"E, 1900 m, plant remnants, 11.06.2016, Mayrhofer 21019 & Fötschl (GZU 000331518).

Caloplaca velana (A.Massal.) Du Rietz (syn. *Variospora v.*)

Durmitor National Park, steep slopes of Sedlena Greda above the pass Sedlo, east facing steep rock walls, 43°05'44.08"N, 19°03'01.7"E, 2060–2100 m, 17.06.2011, Mayrhofer & Müllneritsch (GZU 000293041, as *C. dolomiticola*).

Note: This species was only known from the mountain Hajla (STRASSER et al. 2015).

* ***Candelariella coralliza*** (Nyl.) H.Magn.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21039 & Fötschl (GZU 000331539, associated with *Polysporina simplex*).

* ***Candelariella plumbea*** Poelt & Vězda

Durmitor National Park, steep slopes of Sedlena Greda above the pass Sedlo, east facing steep rock walls, 43°05'44.08"N, 19°03'01.7"E, 2060–2100 m, limestone, 17.06.2011, Mayrhofer 19013 & Müllneritsch (GZU 000293055, associated with *Caloplaca australis*).

Candelariella reflexa (Nyl.) Lettau

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, on *Fagus sylvatica*, 18.06.2011, Mayrhofer 19137 & Brudermann (GZU 000295093). - Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU). Sinjavina, Gornje Lipovo, 42°52'57"N, 19°23'57"E, 1195 m, on lignum, 09.06.2016, Mayrhofer 21137 & Tschuden (GZU 000331637).

Candelariella vitellina (Hoffm.) Müll.Arg.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21047, 21049 & Fötschl (GZU 000331547, 000331549). - Komovi, Kom Vasojevički, c. 700 m SW Eko Katun Štavna, 42°42'26"N, 19°40'38"E, 1761 m, schist, 11.06.2016, Mayrhofer 21055 & Fötschl (GZU 000331555).

Candelariella xanthostigma (Ach.) Lettau

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on branches of *Ribes*, 12.06.2009, Mayrhofer 18464 (GZU).

Catillaria lenticularis (Ach.) Th.Fr.

Virpazar, plantation of *Cupressus sempervirens* along the road to the ruin Besac, 42°14'39"N, 19°05'35"E, 35–40 m, limestone, 12.06.2011, Mayrhofer (GZU 000292643). - Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, limestone, 08.06.2016, Mayrhofer 21108 (GZU 000331608, sub *Caloplaca flavocitrina* and associated with *Lecania inundata*).

Cetraria ericetorum Opiz

Komovi, Kom Vasojevički, c. 700 m SW Eko Katun Štavna, c. 150 NW Katun Vulića, 42°42'26"N, 19°40'38"E, 1761 m, heath, 11.06.2016, Mayrhofer 21058 & Fötschl (GZU 000331558).

Cetraria islandica (L.) Ach.

Komovi, Kom Vasojevički, c. 700 m SW Eko Katun Štavna, c. 150 NW Katun Vulića, 42°42'27"N, 19°40'38"E, 1761 m, heath, 11.06.2016, Mayrhofer 21054 & Fötschl (GZU 000331554).

Cetrelia cetrarioides (Delise ex Duby) W.L.Culb. & C.F.Culb.

Biogradska Gora National Park, Biogradska Lake NE of Kolašin, southern part of the delta of the Biogradska rijeka, 42°53'36"N, 19°35'15"E, 1110 m, on *Fagus sylvatica*, 16.6.2011, Mayrhofer 18197 (GZU).

Chaenotheca furfuracea (L.) Tibell

Biogradska Gora National Park, Biogradska jezero, path along the lakefront, 42°53'48"N, 19°36'06"E, 1110 m, on small roots, 10.06.2016, Tschuden & Mayrhofer 21208 (GZU 000331708).

****Cladonia conista*** (Nyl.) Robbins

Morača canyon c. 7.5 airline km S of Morača monastery, c. 215 m, 42°42.06'N, 19°22.476'E, on soil, 16.06.2011, Mayrhofer 18188 (GZU).

Cladonia furcata (Huds.) Schrad.

S of Međuriječje, road to river Morača, 42°43'04"N, 19°22'12"E, 218 m, calcareous soil, 08.06.2016, Mayrhofer 21110 & Kaltenböck (GZU 000331610).

Cladonia pocillum (Ach.) Grognot

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'04"E, c. 1853 m, 17.06.2011, Mayrhofer 19095 & Brudermann (GZU 000295319). - Komovi Mountains, Kom Vasojevički, N-facing slope with *Dryas octopetala* heath, 42°41'48"N, 19°40'27"E, 1890 m, 11.06.2016, Mayrhofer 21059 & Fötschl (GZU 000331559).

Cladonia pyxidata (L.) Hoffm.

Rumija, road above Scutari Lake, c. 460 m WSW Donji Muriči, NE-facing steep slope, 42°09'19"N, 19°12'33"E, 270 m, calcareous soil, 07.06.2016, Mayrhofer 21037 (GZU 000331537). - Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, calcareous soil, 08.06.2016, Mayrhofer 21101 (GZU 000331601). - National Park Biogradska Gora, Biogradska jezero, near parking site, *Fagus sylvatica* forest, 42°54'02"N, 19°35'42"E, 1120 m, limestone boulder in forest, 10.06.2016, Mayrhofer & Fötschl (GZU). - Komovi, Kom Vasojevički, N-facing slope, 42°41'48"N, 19°40'27"E, 1890 m, calcareous soil, 11.06.2016, Mayrhofer 21059 & Fötschl (GZU 000331559). - Sinjavina, NE-facing slope of Babin Zub, 42°52'54"N, 19°23'20"E, 1350 m, calcareous soil in *Fagus* forest, 09.06.2016, Mayrhofer 21146 & Tschuden (GZU 000331646). - Durmitor National Park, pass Sedlo, steep slopes of Sedlena Greda above pass Sedlo, NW facing steep slopes, 43°05'48"N, 19°03'01"E, 2005 m, 17.06.2011, Mayrhofer 19099 & Brudermann (GZU 000295323).

Cladonia rangiformis Hoffm.

NW part of Skadar Lake, c. 4 km SE of Virpazar, above the bay of Godinje, 42°13.59017N, 19°7.45683E, 15 m, 14.06.2011, Mayrhofer 19207 (GZU).

* ***Clavascidium umbrinum*** (Breuss) Breuss (syn. *Catapyrenium u.*)

46 km NE from Podgorica, surrounding of Bukumirsko Lake, c. 1400 m, 12.08.2012, B. Knežević (GZU).

Collema flaccidum (Ach.) Ach.

Virpazar, plantation of *Cupressus sempervirens* along the road to the ruin Besac, 42°14'39"N, 19°05'35"E, 35-40 m, on *Cupressus sempervirens*, 12.06.2011, Mayrhofer (GZU 000292630).

Collema furfuraceum (Arnold) Du Rietz

Virpazar, plantation of *Cupressus sempervirens* along the road to the ruin Besac, 42°14'39"N, 19°05'35"E, 35-40 m, on *Cupressus sempervirens*, 12.06.2011, Mayrhofer (GZU 000292649, 000292650). - Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, on *Cupressus sempervirens*, 08.06.2016, Mayrhofer 21105 (GZU 000331605). - Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Pistacia terebinthus*, 30.04.2010, Magnes (GZU).

Collema nigrescens (Huds.) DC.

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Quercus pubescens*, 30. 04.2010, Magnes (GZU). - Umgebung von Andrijevica, an der Auf-fahrt zum Cakor-Pass oberhalb des Dorfes Velika, c. 1040 m, on *Carpinus betulus*, 13.07.1974, Mayrhofer 1315 (GZU).

Collema subflaccidum Degel.

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Quercus pubescens*, 30.04.2010, Magnes (GZU).

Dacampia hookeri (Borrer) A.Massal.

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'01"E, 1893 m, 17.06.2011, Mayrhofer 19049 & Brudermann (GZU 000293091).

Dermatocarpon intestiniforme (Körb.) Hasse

Durmitor National Park, pass Sedlo, steep slopes of Sedlena Greda above the pass, 43°05'47"N, 19°03'04"E, 2000 m, 17.06.2011, Mayrhofer 19023 & Müllneritsch (GZU 000293065).

Dermatocarpon miniatum (L.) W.Mann

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on calcareous rocks, 12.06.2009, Mayrhofer 18471 (GZU). - Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, limestone, 08.06.2016, Mayrhofer 21107 (GZU 000331607).

Diploschistes muscorum (Scop.) R.Sant.

Komovi, Kom Vasojevički, N-facing lime rock face, 42°41'43"N, 19°40'26"E, 2000 m, crevices in limestone, 11.06.2016, Kaltenböck (GZU 000331551).

Diplotomma hedinii (H.Magn.) P.Clerc & Cl.Roux

Durmitor National Park, steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, 17.06.2011, Mayrhofer 19026 & Brudermann (GZU 000293068). - Komovi, Kom Vasojevički, N-facing slope, 42°41'47"N, 19°40'27"E, 1900 m, limestone, 11.06.2016, Mayrhofer 21231 & Fötschl (GZU 000331731).

****Eiglera flavida*** (Hepp) Hafellner

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, 17.06.2011, Mayrhofer 19061, 19065 & Brudermann (GZU 000293103, 000293107).

Enchylium polycarpon (Hoffm.) Otálora, P.M.Jørg. & Wedin subsp. ***polycarpon*** (syn. *Collema p.* subsp. *p.*)

Road from Duzi village to Dragisnica forest, c. 1200 m, on calcareous rocks, 25.08.2013, B. Knežević (GZU).

Note: This taxon was only known from Planinica northeast of the Čakor pass (STRASSER et al. 2015).

Evernia divaricata (L.) Ach.

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'03"E, 1410 m, fallen on the ground, 09.06.2016, Mayrhofer 21153 & Tschuden (GZU 000331653).

Farnoldia hypocrita (A.Massal.) Fröberg

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19055 & Brudermann (GZU 000293097). - Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, limestone, 17.06.2011, Mayrhofer 19029 & Brudermann (GZU 000293071).

Farnoldia jurana (Schaer.) Hertel

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19054 & Brudermann (GZU 000293096). Same locality, 43°05'54", 19°03'01"E, 1893 m, Mayrhofer 19036 & Brudermann (GZU 000293078). - National Park Biogradska Gora, Biogradsko jezero, 42°53'58"N, 19°35'41"E, c. 1130 m, on rocks, 11.06.2009, Mayrhofer 18446 (GZU).

* ***Farnoldia micropsis*** (A.Massal.) Hertel

Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'08"E, 2005 m, 17.06.2011, Mayrhofer & Brudermann (GZU, sub *Pyrenodesmia alociza*)

Fuscidea stiriaca (A.Massal.) Hafellner

Sinjavina, NE-facing slope of Babin Zub, 42°52'58"N, 19°23'28"E, 1225 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21184, 21185 & Tschuden (GZU 000331684, 000331685).

Graphis scripta (L.) Ach.

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Fraxinus ornus*, 30. 04.2010, Magnes (GZU).

Gyalecta flotowii Körb.

National Park Biogradska Gora, Biogradska jezero, path on the lakefront, 42°53'52"N, 19°35'38"E, 1110 m, on *Acer pseudoplatanus*, 10.06.2016, Mayrhofer 21204 & Fötschl (GZU 000331704, associated with *Arthonia atra*).

Note: This species was only known from the environs of Herceg Novi (SERVIT 1931).

Gyalolechia bracteata (Hoffm.) A.Massal. subsp. ***bracteata*** (syn. *Fulgensia b.*)

Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, 17.06.2011, Mayrhofer 19032 & Brudermann (GZU 000293074). - Steep slopes of Sedlena Greda above pass Sedlo, E facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, Mayrhofer 19004 & Müllneritsch (GZU 000293044).

Gyalolechia fulgens (Sw.) Søchting, Frödén & Arup (syn. *Fulgensia f.*)

NW part of Skadar lake, c. 3.3 km SE Virpazar, c. 1km E from Godinje, NW facing rock along the road, 42°13.325'N, 19°7.3635'E, 45 m, 14.06.2011, Mayrhofer 19206 (GZU).

Gyalolechia fulgida (Nyl.) Søchting, Frödén & Arup (syn. *Fulgensia f.*)

Rumija, road above Scutari Lake, c. 460 m WSW Donji Muriči, NE-facing steep slope, 42°09'19"N, 19°12'33"E, 270 m, calcareous soil, 07.06.2016, Mayrhofer 21225 (GZU 000331725).

Hyperphyscia adglutinata (Flörke) H.Mayrhofer & Poelt

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Fraxinus ornus*, 30.04. 2010, Magnes (GZU). - Plavi Horizonti beach, 1.7 km SE Radoviči, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer 21086, 21087, 21088 (GZU 000331586, 000331587, 000331588). - Virpazar, road to Boljeviči, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, on *Cupressus sempervirens*, 08.06.2016, Mayrhofer 21103 (GZU 000331603).

Note: This common species was only known from the hill Spas northwest of Budva (BILOVITZ et al. 2008).

Hypogymnia physodes (L.) Nyl.

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'03"E, 1410 m, 09.06. 2016, Mayrhofer 22154 & Tschuden (GZU 000331654).

Hypogymnia tubulosa (Schaer.) Hav.

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21172 & Tschuden (GZU 000331672).

Lathagrium cristatum (L.) Otálora, P.M.Jørg. & Wedin (syn. *Collema c.*)

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on calcareous rocks, 12.06.2009, Mayrhofer 18472 (GZU). - Rumija, road above Scutari Lake, c. 460 m WSW Donji Muriči, NE-facing steep slope, 42°15.54'N, 19°20.92'E, 270 m, calcareous soil, 07.06.2016, Mayrhofer 21097 (GZU 000331597). - Sinjavina Mountains, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, limestone, 09.06.2016, Mayrhofer & Tschuden (GZU, sub *Caloplaca chalybaea*).

Lathagrium fuscovirens (With.) Otálora, P.M.Jørg. & Wedin (syn. *Collema f.*)

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'01"E, 1893 m, limestone, 17.06.2011, Mayrhofer 19042 & Brudermann (GZU 000293084). Same locality, 1870m, 43°05'54"N, 19°03'03"E, 17.06.2011, Mayrhofer 19051 & Brudermann (GZU 000293093).

Lecania inundata (Hepp ex Körb.) M.Mayrhofer

Virpazar, road to Boljeviči, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, limestone, 08.06.2016, Mayrhofer 21108 (GZU 000331608, sub *Caloplaca flavocitrina* and associated with *Catillaria lenticularis*).

Lecanora argentata (Ach.) Malme [includes *L. subrugosa*]

National Park Biogradska Gora, Biogradska jezero, path on the lakefront in the delta of Biogradska river, 42°53'31"N, 19°36'05"E, 1100 m, on *Fraxinus excelsior*, 10.06. 2016, Mayrhofer 21215 & Fötschl (GZU 000331715).

Lecanora chlarotera Nyl.

Plavi Horizonti beach, 1.7 km SE Radoviči, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer 21228 (GZU 000331728). - Sinjavina, Gornje Lipovo, 42°52'19"N, 19°25'07"E, 1075 m, on lignum, 09.06.2016, Mayrhofer 21234 & Tschuden (GZU 000331734). - Komovi, Kom Vasojevički, NNW-facing slope, 42°41'49"N, 19°40'24"E, 1860 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21024 & Fötschl (GZU 000331524).

Lecanora expersa Nyl.

Komovi, Kom Vasojevički, NNW-facing slope, 42°41'44"N, 19°40'16"E, 1898 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21026 & Fötschl (GZU 000331526).

Note: This species was only known from the Durmitor mountain above the Zminje lake (VĚZDA 2000).

Lecanora glabrata (Ach.) Malme

Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, on *Cupressus sempervirens*, 08.06.2016, Mayrhofer 21233 (GZU 000331733).

Lecanora intumescens (Rebent.) Rabenh.

Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Crataegus monogyna*, 09.06.2016, Mayrhofer 21127 & Tschuden (GZU 000331627).

* ***Lecanora leptyroides*** (Nyl.) Degel.

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19127 & Brudermann (GZU 000295023).

Lecanora leuckertiana Zedda (syn. *Lepraria l.*)

Virpazar, plantation of *Cupressus sempervirens* along the road to the ruin Besac, 42°14'39"N, 19°05'35"E, 35-40 m, on *Cupressus sempervirens*, 12.06.2011, Mayrhofer (GZU 000292648).

Note: This species was only known from Livari (BILOVITZ et al. 2008, MAYRHOFER et al. 2013).

* ***Lecanora marginata*** (Schaer.) Hertel & Rambold

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'01"E, 1893 m, limestone, 17.06.2011, Mayrhofer 19035 (GZU 000293077).

Lecanora mughicola Nyl.

Komovi, Kom Vasojevički, NNW-facing slope, 2.3 km SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1896 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21068 & Fötschl (GZU 000331568).

Note: This species was only known from the Hridsko lake (STRASSER et al. 2015).

Lecanora polytropa (Ehrh. ex Hoffm.) Rabenh.

Durmitor National Park, S of Žabljak, along road to Nikšić, 43°08'48"N, 19°07'19"E, c. 1490 m, edge of a conifer forest with low siliceous rocks, 13.06.2009, Mayrhofer (GZU). - Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, clay shale, 11.06.2016, Mayrhofer 21043 & Fötschl (GZU

000331543). - Komovi, Kom Vasojevički, c. 700 m SW Eko Katun Štavna, 42°42'26"N, 19°40'38"E, 1761 m, schist, 11.06.2016, Mayrhofer 21032 & Fötschl (GZU 000331532, associated with *Protoparmelia badia*, *Rhizocarpon geographicum*, *R. polycarpum*).

Lecanora saligna (Schrad.) Zahlbr.

Komovi, Kom Vasojevički, NNW-facing slope, 42°41'49"N, 19°40'24"E, 1860 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21052 & Fötschl (GZU 000331552).

Lecanora subcarpinea Szatala

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer & Brudermann (GZU 000295021; 000295023, sub *Lecanora leptyroides*).

Lecanora varia (Hoffm.) Ach.

Sinjavina, Gornje Lipovo, 42°52'19"N, 19°25'07"E, 1075 m, on lignum, 09.06.2016, Mayrhofer 21131 & Tschuden (GZU 000331631). - Komovi, Kom Vasojevički, NNW-facing slope, 2.3 km SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1896 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21071, 21072, 21076 & Fötschl (GZU 000331571, 000331572, 000331576).

****Lecideia lapicida*** (Ach.) Ach. var. *lapicida*

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, clay shale, 11.06.2016, Mayrhofer 21004, 21008, 21014, 21015 & Fötschl (GZU 000331504, 000331509, 000331513, 000331514).

Lecidella achristotera (Nyl.) Hertel & Leuckert

Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU).

Lecidella carpathica Körb.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21009 & Fötschl (GZU 000331510, associated with *Miriquidica instrata*). Same locality, Mayrhofer 21011, 21017 & Fötschl (GZU 000331511, 000331512).

Lecidella elaeochroma (Ach.) M.Choisy

Komovi, Kom Vasojevički, c. 1.5 km SW Eko Katun Štavna, 42°41'58"N, 19°40'31"E, 1812 m, on *Juniperus nana*, 11.06.2016, Mayrhofer 21016 & Fötschl (GZU 000331515). Same locality, 2.3 km SW Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1896 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21069 & Fötschl (GZU 000331569).

Lecidella patavina (A.Massal.) Knoph & Leuckert

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19053 & Brudermann (GZU 000293095). - Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, limestone, 17.06.2011, Mayrhofer 19027 &

Brudermann (GZU 000293069). - National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on calcareous rocks, 12.06.2009, Mayrhofer 18473 (GZU).

Lepra albescens (Huds.) Hafellner var. ***albescens*** (syn. *Pertusaria a.* var. *a.*)
Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, on *Fagus sylvatica*, 18.06.2011, Mayrhofer 19158 & Brudermann (GZU 000295112). - Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21157, 21158, 21177 & Tschuden (GZU 000331657, 000331658, 000331677).

Lepra albescens var. ***corallina*** sensu auct. (syn. *Pertusaria a.* var. *c.*)
Sinjavina, NE-facing slope of Babin Zub, 42°52'41"N, 19°23'06"E, 1400 m, on *Abies alba*, 09.06.2016, Mayrhofer 21152 & Tschuden (GZU 000331652). - Komovi, Kom Vasojevički, NNW-facing slope, 2.3 km SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1898 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21028 & Fötschl (GZU 000331528).

Lepra amara (Ach.) Hafellner (syn. *Pertusaria a.*)
Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21164 & Tschuden (GZU 000331664).

Lepraria caesioalba (de Lesd.) J.R.Laundon
National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, rock crevices, 12.06.2009, Mayrhofer 18470 (GZU).

****Lepraria diffusa*** (J.R.Laundon) Kukwa
Komovi Mountains, Kom Vasojevički, N-facing slope, 4°41'47"N, 19°40'27"E, c. 1900 m, on calcareous soil and bryophytes in *Dryas octopetala* heath, 11.06.2016, Mayrhofer 21034 & Fötschl (GZU 000331534).

Lepraria eburnea J.R.Laundon
Durmitor National Park, steep slopes of Sedlena Greda above pass Sedlo, 43°05'49"N, 19°03'01"E, 1983 m, 17.06.2011, Mayrhofer 19102 & Brudermann (GZU 000295326). - Žabljak, hiking path to the lake Crno jezero, 43°09'08"N, 19°06'04"E, 1435 m, 17.06.2011, Mayrhofer 19160 & Brudermann (GZU 000295115)

****Lepraria ecorticata*** (J.R.Laundon) Kukwa
Kanjon Mrtvice, S of Međuriječje, along path above river Mrtvica, 42°43'45"N, 19°20'33"E, 245 m, on rocks, 08.06.2016, Mayrhofer 21124 & Kaltenböck (GZU 000331624).

****Lepraria elobata*** Tønsberg
Durmitor National Park, Žabljak, hiking path to the lake Crno jezero, 43°09'08"N, 19°06'04"E, 1435 m, 18.06.2011, Mayrhofer 19161 & Brudermann (GZU 000295115).

Lepraria finkii (de Lesd.) R.C.Harris (syn. *L. lobificans*)

Virpazar, street to Gornja Seoca, 42°14'41"N, 19°05'36"E, 23 m, over bryophytes on limestone wall, 05.06.2016, Mayrhofer 21079 (GZU 000331579).

Lepraria nivalis J.R.Laundon

Rumija, road above Scutari Lake, c. 460 m WSW Donji Muriči, NE-facing steep slope, 42°09'19"N, 19°12'33"E, 270 m, limestone, 07.06.2016, Mayrhofer 21036 (GZU 000331536). Same locality, Mayrhofer 21093 (GZU 000331593, associated with *Leproplaca xantholyta* and *Protoblastenia rupestris*). - S of Međuriječje, road to river Morača, 42°43'04"N, 19°22' 12"E, 218 m, over bryophytes, 08.06.2016, Mayrhofer 21114 & Kaltenböck (GZU 00033 1614). - Kanjon Mrtvice, S-facing slope, 42°44'01"N, 19°20'E, 325 m, over bryophytes on limestone, 08.06.2016, Mayrhofer 21038 & Kaltenböck (GZU 000331538).

Note: This species was only known from the environs of Sv. Stefan near Budva (BILOVITZ et al. 2008).

Lepraria rigidula (de Lesd.) Tønsberg

Durmitor National Park, 3 km W of Žabljak, along the path to Crno jezero (Black Lake), 43°09'04"N, 19°06'05"E, 1425 m, *Abies alba*, 18.06.2011, Mayrhofer & Brudermann (GZU 000296457).

Lepraria vouauxii (Hue) R.C.Harris

Durmitor National Park, pass Sedlo, 43°05'53"N, 19°03'08"E, 1905 m, 17.06.2011, Mayrhofer 19097 & Brudermann (GZU 000295321). - National Park Biogradska Gora, Biogradska jezero, path on the lakefront, 42°53'48"N, 19°36'06"E, 1110 m, on *Abies alba*, 10.06.2016, Mayrhofer 21207 & Fötschl (GZU 000331707, associated with *Lepraria eburnea* and *L. incana*).

****Leproplaca chrysodeta*** (Vain.) J.R.Laundon (syn. *Caloplaca c.*)

Virpazar, street to Gornja Seoca, 42°14'41"N, 19°05'36"E, 23 m, limestone, 05.06.2016, Mayrhofer 21077 (GZU 000331577).

****Leproplaca proteus*** (Poelt) Arup, Fröden & Söchting (syn. *Caloplaca p.*)

Durmitor National Park, steep slopes of Sedlena Greda above the pass Sedlo, east facing steep rock walls, limestone, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19081 & Müllneritsch (GZU 000295302).

Leproplaca xantholyta (Nyl.) Hue (syn. *Caloplaca x.*)

Rumija, road above Scutari Lake, c. 460 m WSW Donji Muriči, NE-facing steep slope, 42°15.54'N, 19°20.92'E, 270 m, limestone, 07.06.2016, Mayrhofer (GZU). - Kanjon Mrtvice, S of Međuriječje, towards the bridge along the path over river Mrtvice, 42°43'33"N, 19°21'38"E, 235 m, limestone, 08.06.2016, Mayrhofer & Kaltenböck (GZU).

Lobaria pulmonaria (L.) Hoffm.

Sinjavina, NE-facing slope of Babin Zub, 42°52'06"N, 19°23'25"E, 1420 m, fallen thallus on the ground below *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21145 & Tschuden (GZU 000331645, overgrown by *Anaptychia ciliaris*).

Lobothallia cheresina (Müll.Arg.) A.Nordin, Cl.Roux & Sohrabi (syn. *Aspicilia* c.)
Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01"E, 1893 m, 17.06.2011, Mayrhofer 19088 & Brudermann (GZU 000295308). - Steep slopes of Sedlena Greda above the pass Sedlo, E facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19006 & Müllneritsch (GZU 000293047).

Lobothallia radiosa (Hoffm.) Hafellner
Komovi, Kom Vasojevički, N-facing slope, 42°41'47"N, 19°40'27"E, 1900 m, limestone, 11.06.2016, Mayrhofer 21186 & Fötschl (GZU 000331686).

Melanelixia glabra (Schaer.) O.Blanco et al.
Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21139 & Tschuden (GZU 000331639).

Melanohalea exasperata (De Not.) O.Blanco et al.
Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21138 & Tschuden (GZU 000331638). - Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21169 & Tschuden (GZU 000331669, associated with *Physcia aipolia*).

Melanohalea laciniatula (Flagey ex H.Olivier) O.Blanco et al.
National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on *Abies alba*, 12.06.2009, Mayrhofer 18459 (GZU).
Note: This species was only known from the Barno lake northwest of Žabljak (BILOVITZ et al. 2008).

Miriquidica instrata (Nyl.) Hertel & Rambold
Komovi, Kom Vasojevički, SE-facing slope c. 100 m NNW of Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, on *Aspicilia caesiocinerea*, 11.06.2016, Mayrhofer 21042 & Fötschl (GZU 000331542, associated with *Lecidella carpathica*, *Protoparmeliopsis muralis* and *Rhizocarpon geographicum*).

Myriolecis agardhiana (Ach.) Śliwa, X.Zhao & Lumbsch subsp. ***agardhiana*** (syn. *Lecanora* a. subsp. a.)
Komovi, Kom Vasojevički, N-facing slope, 42°41'47"N, 19°40'27"E, 1900 m, limestone, 11.06.2016, Mayrhofer 21230 & Fötschl (GZU 000331730).

Myriolecis agardhiana subsp. ***sapaudica*** (Clauzade & Cl.Roux ex Cl.Roux) Nimis & Cl.Roux (syn. *Lecanora* a. subsp. s.)
Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19059 & Brudermann (GZU 000293101). - Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, 17.06.2011, Mayrhofer 19030 & Brudermann (GZU 000293072). - Steep slopes of Sedlena Greda above the pass Sedlo, east facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19009 & Müllneritsch (GZU 000293051).
Note: This taxon was only known from the environs of the Čakor pass (BILOVITZ et al. 2008).

****Myriolecis persimilis*** (Th.Fr.) Šliwa, X.Zhao & Lumbsch (syn. *Lecanora p.*)

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on branches of *Ribes*, 12.06.2009, Mayrhofer 18462 (GZU).

Myriolecis pruinosa (Chaub.) Šliwa, X.Zhao & Lumbsch (syn. *Lecanora p.*)

Rumija, road above Scutari Lake, c. 460 m WSW Donji Murici, NE-facing steep slope, 42°09'19"N, 19°12'33"E, 270 m, on limestone, 07.06.2016, Mayrhofer 21096 (GZU 000331596). - Smokovac NE of Podgorica, Moraca gorge, 42°29'01.8"N, 19°18'47.3"E, c. 80 m, N-facing steep slopes below the railway, limestone cliffs, 26.03.2008, Mayrhofer 17940 & D. Stešević (GZU).

Note: The second specimen was erroneously recorded as *Solenopsora candicans* by BILOVITZ et al. (2008).

****Myriolecis reuteri*** (Schaer.) Šliwa, X.Zhao & Lumbsch (syn. *Lecanora r.*)

Steep slopes of Sedlena Greda above the pass Sedlo, E facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19106 & Müllneritsch (GZU 000295330).

Myriolecis semipallida (H.Magn.) Šliwa, X.Zhao & Lumbsch (syn. *Lecanora flotoviana* auct.)

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'01"E, 1953 m, limestone, 17.06.2011, Mayrhofer 19037 & Brudermann (GZU 000293079). - Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, limestone, 17.06.2011, Mayrhofer 19031 & Brudermann (GZU 000293073). - National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on calcareous rocks, 12.06.2009, Mayrhofer 18474 (GZU).

Nephroma resupinatum (L.) Ach.

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21161, 21162 & Tschuden (GZU 000331661, 000331662).

Ochrolechia alboflavescens (Wulfen) Zahlbr.

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on *Abies alba*, 12.06.2009, Mayrhofer 18457 (GZU). - Komovi, Kom Vasojevički, NNW-facing slope, 42°41'44"N, 19°40'16"E, 1898 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21029 & Fötschl (GZU 000331529).

Ochrolechia balcanica Verseghy

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21176 & Tschuden (GZU 000331676).

Note: This species was only known from the Biogradska Gora National Park (BILOVITZ et al. 2009, KUKWA 2011).

Ochrolechia pallescens (L.) A.Massal.

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19128, 19130 & Brudermann (GZU 000295024, 000295026).

Ochrolechia szatalaensis Versegly

Komovi, Kom Vasojevički, NNW-facing slope, 42°41'44"N, 19°40'16"E, 1898 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21027 & Fötschl (GZU 000331527).

Parmelia sulcata Taylor

Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21140 & Tschuden (GZU 000331640).

Parmelina pastillifera (Harm.) Hale

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19135 & Brudermann (GZU 000295091). - Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU). - Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21143 & Tschuden (GZU 000331641). - Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21159 & Tschuden (GZU 000331659).

Parmeliopsis ambigua (Wulfen) Nyl.

Komovi, Kom Vasojevički, NNW-facing slope, 2.3 km SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1896 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21067 & Fötschl (GZU 000331567).

Parmeliopsis hyperopta (Ach.) Arnold

Komovi, Kom Vasojevički, NNW-facing slope, 2.3 km SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1896 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21002 & Fötschl (GZU 000331502).

Pectenیا atlantica (Degel.) P.M.Jørg. et al. (syn. *Degelia a.*)

Rumija, Sutomore, western incline to mountain Vrsuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Quercus pubescens*, 30.04.2010, Magnes (GZU).

Pectenیا plumbea (Lightf.) P.M.Jørg. et al. (syn. *Degelia p.*)

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21175 & Tschuden (GZU 000331675).

Peltigera collina (Ach.) Schrad.

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21166 & Tschuden (GZU 000331666).

Peltigera horizontalis (Huds.) Baumg.

Biogradska Gora National Park, Biogradska Lake c. 8 km NE of Kolašin, *Fagus* dominated woodlands on the northern lakeside c. 700 m SE of the restaurant, 42°53'49"N, 19°36'10"E, 1119 m, on soil, 16.06.2011, Mayrhofer 19201 (GZU).

Peltigera neckeri Hepp ex Müll.Arg.

Komovi, Kom Vasojevički, N-facing slope, 42°41'47"N, 19°40'27"E, 1900 m, N-facing slope, on calcareous soil in *Dryas octopetala* heath, 11.06.2016, Mayrhofer 21064 & Fötschl (GZU 000331564).

Peltigera rufescens (Weiss) Humb.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, 11.06.2016, Mayrhofer 21046 & Fötschl (GZU 000331546).

Peltigera venosa (L.) Hoffm.

Komovi, Kom Vasojevički, N-facing slope, 42°41'47"N, 19°40'27"E, 1900 m, on calcareous soil in *Dryas octopetala* heath, 11.06.2016, Mayrhofer 21065 & Fötschl (GZU 000331565).

Pertusaria flavida (DC.) J.R.Laundon

Komovi, Kom Vasojevički, NNW-facing slope, 42°41'44"N, 19°40'16"E, 1898 m, on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21025 & Fötschl (GZU 000331525).

****Pertusaria glomerata*** (Ach.) Schaer.

Komovi, Kom Vasojevički, N-facing slope, 42°41'47"N, 19°40'27"E, 1900 m, on calcareous soil in *Dryas octopetala* heath, 11.06.2016, Mayrhofer 21033 & Fötschl (GZU 000331533).

Pertusaria pertusa auct non (Weigel) Tuck.

Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU).

Petractis clausa (Hoffm.) Kremp.

National Park Biogradska Gora, Biogradska jezero, *Fagus sylvatica* forest, 42°54'02"N, 19°35'42"E, 1120 m, limestone boulder in forest, 10.06.2016, Mayrhofer 21189 & Fötschl (GZU 000331689).

Phlyctis argena (Spreng.) Flot.

Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU). - Virpazar, street to Gornja Seoca, 42°14'41"N, 19°05'36"E, 23 m, on *Cupressus sempervirens*, 05.06.2016, Mayrhofer 21080 (GZU 000331580).

Physcia adscendens H.Olivier

Plavi Horizonti beach, 1.7 km SE Radovići, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer (GZU).

Physcia aipolia (Ehrh. ex Humb.) Fűrnr.

Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Crataegus monogyna*, 09.06.2016, Mayrhofer & Tschuden (GZU).

Physcia biziana (A.Massal.) Zahlbr. var. ***biziana***

Ulcinj, area of the closed saline, 41°55'10"N, 19°15'07"E, 0 m, on *Cupressus sempervirens*, 07.06.2016, Mayrhofer 21100 (GZU 000331600).

* ***Physcia biziana*** var. ***leptophylla*** Vězda

Stari Bar E of Bar, 42°04'50"N, 19°07'47"E, c. 40 m, on *Olea europaea*, 08.06.2009, Mayrhofer 18425 (GZU).

Physcia caesia (Hoffm.) Fűrnr.

SW of Jasenovo Polje, N of Nikšić, shallow doline next to the road, 42°53'25"N, 18°57'42"E, 907 m, limestone, 18.06.2011, Mayrhofer (GZU 000296301).

Physcia clementei (Turner) Maas Geest.

Plavi Horizonti beach, 1.3 km SE Radoviči, next to the restaurant, 42°23'10"N, 18°40'59"E, 0–2 m, on *Pinus halepensis*, 06.06.2016, Mayrhofer (GZU).

Physcia dubia (Hoffm.) Lettau

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on branches of *Ribes*, 12.06.2009, Mayrhofer 18466 (GZU, sub *Rinodina orculata*). - Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, argillaceous schist, 11.06.2016, Mayrhofer 21044 & Fötschl (GZU 000331544).

Physcia leptalea (Ach.) DC.

Rumija, S of Virpazar, E of the mountain Vrsuta, northern slopes of the mountain Markina Glava, 42°09.027'N, 19°05.667'E, on *Ostrya carpinifolia*, 27.04.2010, Magnes (GZU). - Rumija, Sutomore, western incline to mountain Vrsuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Pistacia terebinthus* and *Quercus pubescens*, 30.04.2010, Magnes (GZU). - Plavi Horizonti beach, 1.7 km SE Radoviči, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer (GZU). - Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21143 & Tschuden (GZU 000331643, sub *Rinodina sophodes*).

Physcia stellaris (L.) Nyl.

Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21143 & Tschuden (GZU 000331643, sub *Rinodina sophodes*).

Physconia distorta (With.) J.R.Laundon

Rumija, Sutomore, western incline to mountain Vrsuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Pistacia terebinthus*, 30.04.2010, Magnes (GZU).

Physonia servitii (Nádv.) Poelt

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, 30.04.2010, on *Quercus pubescens*, Magnes (GZU).

Note: This species was only known from the environs of Herceg Novi (NÁDVORNIK 1948).

Physonia venusta (Ach.) Poelt

Virpazar, plantation of *Cupressus sempervirens* along the road to the ruin Besac, 42°14'39"N, 19°05'35"E, 35–40 m, on bryophytes, 12.06.2011, Mayrhofer (GZU 000292645, 000292646). - Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21167 & Tschuden (GZU 000331667, associated with *Anaptychia ciliaris*).

Placocarpus schaeferi (Fr.) Breuss

SW of Jasenovo Polje, N of Nikšić, shallow doline next to the road, 42°53'25"N, 18°57'42"E, 907 m, limestone, 18.06.2011, Mayrhofer (GZU 000296303).

Placynthium nigrum (Huds.) Gray

National Park Biogradska Gora, along the road to Dolovi E above Biogradsko jezero, 42°54'02"N, 19°37'10"E, c. 1650 m, pastures with scattered *Fagus sylvatica* stands, on calcareous rock, 12.06.2009, Mayrhofer 18450 (GZU).

Pleurosticta acetabulum (Neck.) Elix & Lumbsch

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19143 & Brudermann (GZU 000295099).

Polysporina simplex (Taylor) Vězda

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, argillaceous schist, 11.06.2016, Mayrhofer 21045 & Fötschl (GZU 000331545).

Porpidia crustulata (Ach.) Hertel & Knoph

Biogradska gora National Park, Biogradsko jezero, 42°53'58"N, 19°35'41", 1130m, on siliceous rocks, 11.06.2009, Mayrhofer 18446 (GZU).

Protoblastenia incrustans (DC.) J.Steiner

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19086 & Brudermann (GZU 000295306). Same locality, 43°05'54"N, 19°03'01"E, 1893 m, limestone, 17.06.2011, Mayrhofer 19089 & Brudermann (GZU 000295309).

Protoblastenia rupestris (Scop.) J.Steiner

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'01"E, 1893 m, limestone, 17.06.2011, Mayrhofer 19041 & Brudermann (GZU 000293083). - Rumija, road above Scutari Lake, c. 460 m WSW Donji Murići, NE-facing steep slope, 42°09'19"N, 19°12'33"E, 270 m, limestone, 07.06.2016, Mayrhofer 21095 (GZU 000331595).

Protoparmelia badia (Hoffm.) Hafellner

Komovi, Kom Vasojevički, c. 700 m SW Eko Katun Štavna, c. 150 NW Katun Vulića, 42°42'26"N, 19°40'38"E, 1761 m, schist, 11.06.2016, Mayrhofer 21005 & Fötschl (GZU 000331505).

Protoparmeliopsis admontensis (Zahlbr.) Hafellner (syn. *Lecanora a.*)

Durmitor National Park, steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, 17.06.2011, Mayrhofer 19100 & Brudermann (GZU 000295324). Same locality, E facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19104 & Müllneritsch (GZU 000295328).

Protoparmeliopsis muralis (Schreb.) M.Choisy var. ***muralis***

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21006 & Fötschl (GZU 000331507, associated with *Miriquidica instrata* and *Rhizocarpon polycarpum*).

* ***Protoparmeliopsis muralis*** var. ***dubyi*** (Müll.Arg.) Hafellner & Türk

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21041 & Fötschl (GZU 0003315541, associated with *Aspicilia caesiocinerea*).

Protoparmeliopsis versicolor (Pers.) M.Choisy (syn. *Lecanora muralis* var. *v.*)

Durmitor National Park, pass Sedlo, 43°05'53"N, 19°03'08"E, 1905 m, on limestone, 17.06.2011, Mayrhofer 19017 & Müllneritsch (GZU 000293058). - Steep slopes of Sedlena Greda above pass Sedlo, E-facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, on limestone, 17.06.2011, Mayrhofer 19105 & Müllneritsch (GZU 000295329).

Pseudevernia furfuracea (L.) Zopf var. ***furfuracea***

Sinjavina, NE-facing slope of Babin Zub, 42°52'41"N, 19°23'06"E, 1400 m, 09.06.2016, Mayrhofer 21147, 21148 & Tschuden (GZU 000331647, 000331648). - Komovi, Kom Vasojevički, NNW-facing slope, 42°41'49"N, 19°40'24"E, 1860 m, on *Pinus heldreichii*, 11.06.2016, Mayrhofer 21022, 21023 & Fötschl (GZU 000331522, 000331523).

Pseudevernia furfuracea var. ***ceratea*** (Ach.) D.Hawksw.

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, on *Fagus sylvatica*, 18.06.2011, Mayrhofer 19157 & Brudermann (GZU 000295111).

Punctelia subrudecta (Nyl.) Krog

Plavi Horizonti beach, 1.3 km SE Radovići, next to the restaurant, 42°23'10"N, 18°40'59"E, 0–2 m, on *Pinus halepensis*, 06.06.2016, Mayrhofer 21084 (GZU 000331584).

Pyrenodesmia albopruinosa (Arnold) ined. (syn. *Caloplaca a.*)

Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'0.78"E, 2005 m, 17.06.2011, Mayrhofer & Brudermann (GZU). - Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'47"N,

19°40'27"E, 1900 m, limestone, 11.06.2016, Mayrhofer 21229 & Fötschl (GZU 000331729).

Pyrenodesmia alociza (A.Massal.) Arnold (syn. *Caloplaca a.*)

Steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'0.78"E, 2005 m, 17.06.2011, Mayrhofer & Brudermann (GZU).

Pyrenodesmia chalybaea (Fr.) A.Massal. (syn. *Caloplaca c.*)

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, 17.06.2011, Mayrhofer & Brudermann (GZU 000293105). - SW of Jasenovo Polje, N of Nikšić, shallow doline next to the road, 42°53'25"N, 18°57'42"E, 907 m, limestone, 18.06.2011, Mayrhofer (GZU 000296340). - Sinjavina Mountains, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, limestone, 09.06.2016, Mayrhofer 21142 & Tschuden (GZU 000331642, associated with *Lathagrium cristatum*). - Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'47"N, 19°40'27"E, 1900 m, limestone, 11.06.2016, Mayrhofer 21188 & Fötschl (GZU 000331688).

Ramalina calicaris (L.) Fr.

Biogradska Gora National Park, Biogradska Lake c. 8 km NE of Kolasin, *Fagus* dominated woodlands on the northern lakeside c. 700 m SE of the restaurant, 42°53'49"N, 19°36'10"E, 1119 m, 16.06.2011, Mayrhofer 19204 (GZU). - Durmitor National Park, Plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, on *Fagus sylvatica*, 18.06.2011, Mayrhofer 19144 & Brudermann (GZU 000295100).

Ramalina fastigiata (Pers.) Ach.

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21155, 21156 & Tschuden (GZU 000331655, 000331656).

Ramboldia insidiosa (Th.Fr.) Hafellner

Kmovi, Kom Vasojevički, NNW-facing slope, 2.3 km SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, 1896 m, host: *Lecanora varia* on lignum of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21070 & Fötschl (GZU 000331570).

****Rhizocarpon atroflavescens*** Lyngby

Durmitor National Park, steep slopes of Sedlena Greda above pass Sedlo, NW facing steep rock walls, 43°05'48"N, 19°03'01"E, 2005 m, 17.06.2011, Mayrhofer 19091 & Brudermann (GZU 000295318).

Rhizocarpon distinctum Th.Fr.

Durmitor National Park, S of Žabljak, along road to Nikšić, 43°08'48"N, 19°07'19"E, 1490 m, edge of a conifer forest with low siliceous rocks, 13.06.2009, Mayrhofer 18475 (GZU).

Rhizocarpon geographicum (L.) DC.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21003 & Fötschl (GZU 000331503).

associated with *Aspicilia caesiocinerea*, *Lecidella carpathica*, *Miriquidica instrata* and *Protoparmeliopsis muralis*).

Rhizocarpon lecanorinum Anders

Durmitor National Park, along the mountain road from Žabljak to Sedlo, near a hut above Lake Valovito, 43°05'50"N, 19°04'13"E, 1780 m, on quartzite, 17.06.2011, Mayrhofer 19098 (GZU 000295322).

Note: This species was only known on siliceous rocks from Lovćen (SERVIT 1931).

Rhizocarpon polycarpum (Hepp) Th.Fr.

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer 21007 & Fötschl (GZU 000331508).

Rinodina bischoffii (Hepp) A.Massal.

SW of Jasenovo Polje, N of Nikšić, shallow doline next to the road, 42°53'25"N, 18°57'42"E, 907 m, limestone, 18.06.2011, Mayrhofer (GZU 000296302).

Note: This common species was only known from Kručićina (KUŠAN 1933).

Rinodina capensis Hampe

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, on *Fagus sylvatica*, 18.06.2011, Mayrhofer 19131 & Brudermann (GZU 000295028, associated with *Buellia griseovirens*).

Note: This species was only known from the monastery in Otilovići (BILOVITZ et al. 2010).

* ***Rinodina orculata*** Poelt & M.Steiner

Biogradska Gora National Park, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on branches of *Ribes*, 12.06.2009, Mayrhofer 18466, 22001 (GZU, 18446 associated with *Physcia dubia*).

Rinodina sophodes (Ach.) A.Massal.

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19114, 19129 & Brudermann (GZU 000295010, 000295025). Same locality, *Quercus pubescens*, 18.06.2011, Mayrhofer 19138 & Brudermann (GZU 000295094). - Sinjavina, Gornje Lipovo, 42°52'12"N, 19°25'16"E, 1055 m, on *Crataegus monogyna*, 09.06.2016, Mayrhofer 21129 & Tschuden (GZU 000331629). - Same locality, on *Acer pseudoplatanus*, 09.06.2016, Mayrhofer 21143 & Tschuden (GZU 000331643, associated with *Melanelia exasperata*, *Physcia leptalea* and *P. stellaris*). - Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21171 & Tschuden (GZU 000331671). - Biogradska gora National Park, c. 500 m NE of Biogradsko jezero lake, c. 1400 m, on *Fraxinus excelsior*, 10.07.2009, Svoboda 2046 (herbarium Svoboda).

Scoliciosporum umbrinum (Ach.) Arnold var. ***corticicola*** (Anzi) Bagl. & Carestia

Sinjavina, NE-facing slope of Babin Zub, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21168 & Tschuden (GZU 000331668).

Scytinium gelatinosum (With.) Otálora, P.M.Jørg. & Wedin (syn. *Leptogium g.*)

Virpazar, plantation of *Cupressus sempervirens* along the road to the ruin Besac, 42°14'39"N, 19°05'35"E, 35–40 m, on bryophytes, 12.06.2011, Mayrhofer (GZU 000292644). - Virpazar, street to Gornja Seoca, 42°14'41"N, 19°05'36"E, 23 m, between bryophytes over limestone, 05.06.2016, Mayrhofer 21081 (GZU 000331581). Biogradska Gora National Park, Biogradska jezero, near parking site, 42°54'02"N, 19°35'42"E, 1100 m, on bryophytes over limestone, 10.06.2016, Mayrhofer 21202 & Fötschl (GZU 000331702).

Scytinium lichenoides (L.) Otálora, P.M.Jørg. & Wedin (syn. *Leptogium l.*)

Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, on bryophytes above limestone, 08.06.2016, Mayrhofer 21106 (GZU 000331606). - Sinjavina, NE-facing slope of Babin Zub, 42°52'58"N, 19°23'28"E, 1290 m, over bryophytes on *Fagus sylvatica*, 09.06.2016, Mayrhofer 21183 & Tschuden (GZU 000331683).

Seiophora contortuplicata (Ach.) Frödén (syn. *Xanthoria c.*)

Durmitor National Park, steep slopes of Sedlena Greda above the pass Sedlo, E facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, 17.06.2011, Mayrhofer 19011 & Müllneritsch (GZU 000293053).

Note: This species was only known from Planinica northeast of the Čakor pass (STRASSER et al. 2015).

Solorina bispora Nyl.

Durmitor National Park, pass Sedlo, 43°05'54"N, 19°03'01,5"E, 1893 m, calcareous soil, Mayrhofer 19045 & Brudermann (GZU 000293087). - Steep slopes of Sedlena Greda above the pass Sedlo, E facing steep rock walls, 43°05'44"N, 19°03'02"E, 2060–2100 m, calcareous soil, 17.06.2011, Mayrhofer 19002 & Müllneritsch (GZU 000293042).

Solorina saccata (L.) Ach.

Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'48"N, 19°40'27"E, 1900 m, calcareous soil, 11.06.2016, Mayrhofer 21010 & Fötschl (GZU 000331516).

Squamarina cartilaginea (With.) P.James

NW part of Skadar Lake, c. 4 km SE of Virpazar, above the bay of Godinje, 42°13.59017'N, 19°7.45683'E, 15 m, 14.06.2011, Mayrhofer 19208 (GZU).

Squamarina lamarckii (DC.) Poelt

Durmitor National Park, steep slopes of Sedlena Greda above pass Sedlo, 43°05'49"N, 19°03'01,4"E, 1983 m, 17.06.2011, Mayrhofer & Brudermann (GZU 000295310).

Staurolemma omphalarioides (Anzi) P.M.Jørg. & Henssen

Virpazar, road to Boljevići, NW-facing slope, 42°14'42"N, 19°05'30"E, 14 m, on *Cupressus sempervirens*, Mayrhofer 21104 (GZU 000331604).

****Strigula stigmatella*** (Ach.) R.C.Harris

National Park Biogradska Gora, Biogradska jezero, near parking site, 42°54'02"N, 19°35'42"E, 1100 m, on *Fagus sylvatica*, 10.06.2016, Mayrhofer 21200 & Fötschl (GZU 000331700).

****Teloschistes chrysophthalmos*** (L.) Th.Fr.

Plavi Horizonti beach, 1.7 km SE Radovići, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer 21089 (GZU 000331589).

Tephromela atra (Huds.) Hafellner var. ***torulosa*** (Flot.) Hafellner

National Park Biogradska Gora, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on *Abies alba*, 12.06.2009, Mayrhofer 18453 (GZU).

****Tetramelas chloroleucus*** (Körb.) A.Nordin (syn. *Buellia chloroleuca*)

Durmitor National Park, 3 km W of Žabljak, along the path to Crno jezero (Black Lake), 43°09'04"N, 19°06'05"E, 1425 m, decayed trunk, 18.06.2011, Mayrhofer & Brudermann (GZU 000296304).

Thelidium papulare (Fr.) Arnold

Durmitor National Park, pass Sedlo, rocks near the ground, 43°05'54"N, 19°03'04"E, 1853 m, limestone, 17.06.2011, Mayrhofer 19085 & Brudermann (GZU 000295305).

Note: This species was only known from Trnovačko lake (KUŠAN 1933).

Usnea dasopoga (Ach.) Nyl. (syn. *U. filipendula*)

Sinjavina, NE-facing slope of Babin Zub, 42°52'06"N, 19°23'25"E, 1400 m, 09.06.2016, Mayrhofer 21150, 21151 & Tschuden (GZU 000331650, 000331651). Same locality, 42°52'35"N, 19°23'18"E, 1415 m, on *Fagus sylvatica*, Mayrhofer 21178 & Tschuden (GZU 000331678).

****Verrucaria fusca*** Pers.

Southern slopes of Granice strane, appr. 500 m W and SW of the village Kalice, 1150–1200 m, steep SW facing slopes of serpentinite, 16.05.2008, Magnes & Stešević (GZU).

Verrucaria sphaerospora Anzi

Komovi, Kom Vasojevički, c. 100 m NNW Eko Katun Štavna, 42°42'48"N, 19°40'57"E, 1734 m, schist, 11.06.2016, Mayrhofer & Fötschl (GZU).

Note: This species was only known from Lovćen (SERVIT 1931).

Xanthomendoza fulva (Hoffm.) Søchting, Kärnefelt & S.Y.Kondr. (= *Xanthoria f.*)

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19122 & Brudermann (GZU 000295018).

Note: This species was only known from the Temnjačka reka valley east of Plav (STRASSER et al. 2015).

Xanthoria elegans (Link) Th.Fr.

Komovi, Kom Vasojevički, N-facing slope, SW of Eko Katun Štavna, 42°41'47"N, 19°40'27"E, 1900 m, limestone, 11.06.2016, Mayrhofer 21062 & Fötschl (GZU 000331562).

Xanthoria parietina (L.) Th.Fr.

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Fraxinus ornus*, 30.04. 2010, Magnes (GZU). - Plavi Horizonti beach, 1.3 km SE Radoviči, next to the restaurant, 42°23'10"N, 18°40'59"E, 0–2 m, on *Pinus halepensis*, 06.06.2016, Mayrhofer 21082 (GZU 000331582). - Plavi Horizonti beach, 1.7 km SE Radoviči, path in maquis, 42°22'56"N, 18°41'06"E, 19 m, on *Pistacia lentiscus*, 06.06.2016, Mayrhofer 21091 (GZU 000331591). - Ulcinj, area of the closed saline, 41°55'10"N, 19°15'07"E, 0 m, on *Cupressus sempervirens*, 07.06.2016, Mayrhofer 21099 (GZU 000331599).

****Xylographa difformis*** (Vain.) Vain.

Komovi-Mountains, Kom Vasojevički, NNW-facing slope, SW of Eko Katun Štavna, 42°41'44"N, 19°40'16"E, c. 1896 m, on wood of *Pinus heldreichii*, 11.06.2016, Mayrhofer 21073, 21074, 21075 & Fötschl (GZU 000331573, 000331574, 000331575).

Xylographa parallela (Ach.: Fr.) Fr.

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, wood of *Fagus sylvatica*, 18.06.2011, Mayrhofer 19109 & Brudermann (GZU 000295005). - Durmitor National Park, 3 km W of Žabljak, along the path to Crno jezero (Black Lake), 43°09'04"N, 19°06'05"E, 1425 m, decayed trunk, 18.06. 2011, Mayrhofer & Brudermann (GZU 000296306).

Lichenicolous fungi

****Biatoropsis usnearum*** Räsänen (on *Usnea dasopoga*)

Biogradska Gora National Park, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, on branches of *Ribes*, 12.06.2009, Mayrhofer 18451 (GZU).

Lichenodiplis lecanorae (Vouaux) Dyko & D.Hawksw. (on *Caloplaca cerina*)

Biogradska Gora National Park, Katun Dolovi E above Biogradsko jezero, along the trail to the top of the mountain Bendovac, 42°53'57"N, 19°37'34"E, c. 1680–1700 m, 12.06.2009, Mayrhofer 18468 (GZU).

Teloggalla olivieri (Vouaux) Nik.Hoffm. & Hafellner (on *Xanthoria parietina*)

Rumija, Sutomore, western incline to mountain Versuta, in the environs of the deserted charcoal pile "Mjilevici", 42°08.667'N, 19°03.422'E, c. 300 m, on *Fraxinus ornus*, 30.04. 2010, Magnes (GZU).

Note: This species was only known from Odžak south of Pljevlja (BILOVITZ et al. 2010).

Non-lichenized fungi

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

Biogradska Gora National Park, Biogradska jezero, path along the lakefront, 42°53' 48"N, 19°36'06"E, 1110 m, on rootlets, 10.06.2016, Tschuden (GZU).

Naetrocymbe fraxinii (A.Massal.) R.C.Harris

Durmitor National Park, plateau about 4 km S of Žabljak, 43°07'02"N, 19°07'38"E, 1470 m, *Fagus sylvatica*, 18.06.2011, Mayrhofer 19153 & Brudermann (GZU 00029 5108, associated with *Rinodina sophodes*).

Note: This species was only known from the Biogradska Gora National Park (BILOVITZ et al. 2009).

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Lichenicolous Biota (Nos 251–270)

Josef HAFELLNER*

HAFELLNER Josef 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana (Graz) 86: 31–46. - ISSN 1024-0306.

Abstract: The 11th fascicle (20 numbers) of the exsiccata 'Lichenicolous Biota' is published. The issue contains material of 20 non-lichenized fungal taxa (16 teleomorphs of ascomycetes, 2 anamorphic states of ascomycetes, 2 basidiomycetes), including paratype material of *Tremella graphidis* Diederich et al. (no 269). Furthermore, collections of the type species of the following genera are distributed: *Abrothallus* (*A. bertianus*), *Lichenostigma* (*L. maureri*), *Phacopsis* (*P. vulpina*), *Skyttea* (*S. nitschkei*), and *Teloggalla* (*T. olivieri*).

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Introduction

The exsiccata 'Lichenicolous Biota' is continued with fascicle 11 containing 20 numbers.

The exsiccata covers all lichenicolous biota, i.e., it is open not only to non-lichenized and lichenized fungi, but also to myxomycetes, bacteria, and even animals, whenever they cause a characteristic symptom on their host (e.g., discoloration or galls). Consequently, the exsiccata contains both highly host-specific and plurivorous species, as long as the individuals clearly grow upon a lichen and the collection is homogeneous, so that identical duplicates can be prepared.

The five complete sets are sent to herbaria of the following regions: Central Europe (Graz [GZU]), Northern Europe (Uppsala [UPS]), Western Europe (Bruxelles [BR]), North America (New York [NY]), Australasia (Canberra [CANB]). Incomplete sets will preferably be distributed to Barcelona [BCN], Edinburgh [E], Saint Petersburg [LE], Munich [M], and Prague [PRM] (herbarium acronyms sec. HOLMGREN et al. 1990, continued and updated as electronic database by THIERS 2015 (onwards) and hosted at New York Botanical Garden <http://sweetgum.nybg.org/science/ih/>). Also in the future, it is planned to publish at least one fascicle per year, consisting of a variable number of decades.

The grid reference preceded by the abbreviation 'GF' refers to the grid used by the project 'Floristische Kartierung Mitteleuropas' (floristic mapping of Middle Europe, e.g. EHRENDORFER & HAMANN 1965).

For the 11th fascicle, I gratefully acknowledge the contribution of 6 collections by Paul DIEDERICH, 3 collections by Ralph COMMON, 2 collections each by Franz

BERGER, Derek PERŠOH, and Erich ZIMMERMANN, furthermore 1 collection each by Roger ROSENRETER and Toby SPRIBILLE (together with Tim WHEELER).

In fieldwork I received support by Angela HAFELLNER.

Franz BERGER, Skytte CHRISTIANSEN, Paul DIEDERICH, Toby SPRIBILLE, and Erich ZIMMERMANN contributed to the scientific content of the fascicle by the identification of either lichenicolous fungi or hosts.

Christian SCHEUER, Walter OBERMAYER, and Helmut MAYRHOFER are thanked for critically reading the manuscript.

I would be much obliged to colleagues who send material of lichenicolous biota for distribution in future fascicles. The collections should be divided up into at least 5 (up to 10) duplicates, preferably already prepared. Unprepared collections should be rich enough to obtain at least 5 duplicates.

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251. *Abrothallus bertianus* de Not.

in *Abrothallus* Novum Lichenum Genus: [1] (1845) [preprint from: Memorie della Reale Accademia delle Scienze di Torino 10: 351 (1849)].

Host: *Melanelixia glabratula* (thallus)

Europe, Germany: Bayern (Bavaria), Eastern Alps, Ammergau Alps (Ammergebirge), c. 14.5 km SW of the village Oberammergau, NW base of Kreuzspitze, “Bei den sieben Quellen“, 47°32'20"N / 10°54'00"E, c. 1080 m alt., mixed forest dominated by conifers, on bark of *Acer pseudoplatanus*.

Note 1: *Abrothallus bertianus* originally was described as a lichen. Santesson (Svensk Bot. Tidskr. 54: 513 f., 1960) restudied two isotypes in VER and RO and identified the host as *Melanelixia glabratula* (sub *Parmelia fuliginosa* var. *laetevirens*).

Note 2: In the distributed material the ascomata are accompanied by the *Vouauxiomyces* anamorph.

5. IX. 2004

leg. J. Hafellner (79672), det. J. Hafellner

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

252. *Bellemerella ritae* Pérez-Ortega & T.Sprib.

in Nova Hedwigia 85(3-4): 516 (2007).

Host: *Xylographa soralifera* (thallus)

Northern America, U.S.A.: Montana, Lake Co., Mission Mountains, confluence of Middle Fork and South Fork of the Jocko River, 47°11'46"N / 113°50'48"W, c. 1230 m alt., in *Thuja plicata*-dominated mixed conifer forest, on log.

Note 1: The type host of *Bellemerella ritae* is an unnamed *Xylographa* species.

16. VI. 2015

leg. T. Spribille (40983) & T. Wheeler, det. T. Spribille

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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253. *Echinodiscus kozhevnikovii* Zhurb.

in Opuscula Philolichenum 6: 96 (2009).

Host: *Cetraria islandica* (thallus)

Europe, Switzerland: Valais, Western Alps, Lepontine Alps, Furka Pass E above the village Gletsch, N-facing slopes S above the pass, 46°34'15"N / 8°24'55"E, c. 2450 m alt., alpine meadow over siliceous rocks, on the ground.

Note 1: *Cetraria islandica* is the type host of *Echinodiscus kozhevnikovii*.

2015 leg. E. Zimmermann (1248), det. E. Zimmermann
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

254. *Lichenostigma maureri* Hafellner

in Herzogia 6: 301 (1982). – Syn.: *Phaeosporobolus usneae* D.Hawksw. & Hafellner in Nova Hedwigia 43: 526 (1986).

Host: *Letharia vulpina* (thallus)

Europe, Switzerland: Valais, Western Alps, Pennine Alps, surroundings of Zermatt, Stafelalp WSW above the village, 46°00'20"N / 7°41'20"E, c. 2180 m alt., subalpine *Larix decidua*-*Pinus cembra* forest, on bark of *Larix decidua*.

Note 1: The type host of *Lichenostigma maureri* was originally named *Usnea florida* but is likely to represent a morph of the *Usnea rigida*-*Usnea glauca* aggregate.

Note 2: The conspecificity of *Lichenostigma maureri* (teleomorphic state) and *Phaeosporobolus usneae* (anamorphic state) was established by Ertz et al., Fungal Diversity 66: 125–126 (2014).

3. VI. 2003 leg. D. Peršoh (s. n.), det. J. Hafellner
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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255. *Minutoexcipula mariana* V. Atienza

in Bibliotheca Lichenologica 82: 142 (2002).

Host: *Pertusaria species* (thallus, ascomatal verrucae)

Europe, Portugal: Algarve, 3 km SW of Lagoa, E of Sesmarias, 37°06' 46"N / 08°28'44"W, c. 65 m alt., cultivated land with scattered trees, on branches of *Prunus amygdalus*.

Note 1: The type host of *Minutoexcipula mariana* is *Pertusaria heterochroa*.

Note 2: *Skyttea pertusariicola* is co-occurring on the material. Duplicates of that species are distributed under Lichenicolous Biota no. 266.

Note 3: On several *Pertusaria* thalli a co-occurring strain of *Muellerella lichenicola* was found. Some of these pieces were prepared a separate specimen (Diederich 17774e) preserved in GZU.

26. V. 2015

leg. P. Diederich (17774), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

256. *Nectriopsis lecanodes* (Ces.) Diederich & Schroers

in Sérusiaux et al., *Lejeunia*, n. s., 162: 56 (1999). – Bas.: *Sphaeria Nectria lecanodes* Ces. in Rabenhorst, *Botanische Zeitung* 15: 407 (1857); Rabenhorst, *Herbarium Mycologicum*, ed. 2, no. 525 (1863). – Syn.: *Nectria lecanodes* (Ces.) Fuckel in *Jahrbücher des Nassauischen Vereins für Naturkunde* 23–24: 178 (1870).

Host: *Peltigera praetextata* (thallus)

Europe, Austria: Oberösterreich (Upper Austria), Innviertel, SE of Kopfing, by the road to Rasdorf, 48°26'11.7"N / 13°39'57"E, c. 560 m alt., GF 7547/4, slope along a road exposed to the S, on soil.

Note 1: The type host of *Nectriopsis lecanodes* is *Peltigera canina*.

Note 2: The original spelling of the name is "*Sph. Nectria lecanodes* Ces. mss." From the previous page (p. 406) it is evident that "*Sph.*" is an abbreviation of the generic name *Sphaeria*. Therefore the basionym is *Sphaeria lecanodes* and not *Nectria lecanodes* as often cited. The text of the protologue was reprinted together with the exsiccatum label, and there the entire text is signed by "Cesati", indicating that both name and validating description were contributed by Cesati. Therefore the correct citation of the author of the taxon is "Ces." (ICBN 46.2).

30. X. 2016

leg. F. Berger (31271), det. F. Berger

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

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

in Earland-Bennett et al., Boletín de la Sociedad Micológica de Madrid 30: 245 (2006).

Host: *Physcia stellaris* (thallus, apothecia)

Europe, Austria: Tirol (Tyrol), Eastern Alps, Tux Alps, surroundings of Hintertux, at the end of the valley SW of the village, 47°06'25"N / 11°40'25"E, c. 1515 m alt., at the edge of a mixed coniferous forest, on twigs of *Larix decidua*.

Note 1: *Physcia stellaris* is the type host of *Nectriopsis physciicola*.

Note 2: An anamorphic state (*Acremonium*-type) with subspherical conidia and short conidiogenous cells is present on the duplicate in GZU.

Note 3: The fungus spreads also to other lichens growing nearby. Vouchers with *Melanohalea exasperatula* and *Polycauliona polycarpa* as hosts have been separately deposited in GZU.

29. X. 2014

leg. P. Diederich (17765), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

258. *Phacopsis vulpina* Tul.

in Annales des Sciences Naturelles, Botanique, sér. 3, 17: 126 (1852). – Syn.: *Agyrium vulpinum* (Tul.) H.Olivier in Bulletin de l'Académie Internationale de Géographie Botanique, sér. 3, 16: 196 (1906).

Host: *Letharia vulpina* (thallus)

Europe, Switzerland: canton Valais, Western Alps, Pennine Alps, surroundings of Zermatt, Stafelalp WSW above the village, 46°00'20"N / 7°41'20"E, c. 2180 m alt., subalpine *Larix-Pinus cembra* forest, on bark of *Larix decidua*.

Note 1: *Letharia vulpina* is the type host of *Phacopsis vulpina*.

Note 2: *Lichenostigma maureri* Hafellner has also been detected on many of the *Letharia* thalli. Duplicates of that species are distributed under Lichenicolous Biota no. 254.

3. VI. 2003

leg. D. Peršoh (s. n.), det. F. Berger

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

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

in Lichens and Lichenicolous Fungi of Sweden and Norway: 175 (1993). – Bas.: *Tichothecium pulvinatum* Eitner, Jahres-Bericht der Schlesischen Gesellschaft für Vaterländische Cultur 78: 26 (1901). – Syn.: *Polycoccum galligenum* Vězda, Česká Mykologie 23(2): 107 (1969).

Host: *Physcia caesia* (thallus)

Europe, Austria: Oberösterreich (Upper Austria), valley of the river Danube, Eferding distr., Hartkirchen, area of the railway station, 48°21'44,5"N / 14°00'37,8"E, c. 272 m alt., GF 7650/1, railway ballast, on granitic stones.

Note 1: The type host of *Polycoccum pulvinatum* is *Physcia stellaris*.

Note 2: The type host of the heterotypic synonym *Polycoccum galligenum* is *Physcia dubia*.

16. VII. 2017

leg. F. Berger (31583), det. F. Berger

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

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

in Feddes Repertorium Specierum Novarum Regni Vegetabilis, Beiheft 42: 484 (1927). – Bas.: *Torula lichenicola* Linds. in Transactions of the Royal Society of Edinburgh 25: 515[!], 530 (1869). – Syn.: *Sirothecium lichenicolum* (Linds.) Keissl. in Österreichische Botanische Zeitschrift 60(2): 56 (1910).

Host: *Lecanora* spec. (thallus, apothecia)

Northern America, U.S.A.: Florida, Pasco Co., Zephyrhills, along Henry Avenue (Henry Drive), 28°14'54"N / 82°10'44"W, c. 25 m alt., row of trees along the street, on twigs fallen to the ground after strong wind.

Note 1: The type host of *Vouauxiella lichenicola* was originally named "*Lecanora subfusca*".

Note 2: A lectotype originating from Scotland with *Lecanora chlorotera* as host was chosen by Hawksworth (Bulletin of the British Museum (Natural History), Botany series 6(3): 287, 1979).

30. XII. 2013

leg. R. Common (9573), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

261. *Abrothallus parmeliarum* (Sommerf.) Nyl.

in Bulletin de la Société Botanique de la Normandie, 2. sér., 3: 12 (1869). – Bas.: *Lecidea parmeliarum* („*parmeliorum*“) Sommerf. in Supplementum Florae Lapponicae: 176 (1826). – Syn.: *Buellia parmeliarum* (Sommerf.) Tuck. in Synopsis of the North American lichens Part 2: 106 (1888). – *Buelliella parmeliarum* (Sommerf.) Fink in Lichen Flora of the United States: 372 (1935).

Host: *Parmelia saxatilis* (thallus)

Northern America, U.S.A.: Idaho, Valley County, South Fork of Salmon River, 40 miles upstream from its confluence with the Main Salmon River, 44°57'00"N / 115°32'42"W, c. 1400 m alt. (4050 ft.); mixed open *Pinus ponderosa* – *Pseudotsuga menziesii* forest, on granitic rocks.

Note 1: Two species of *Parmelia* s. str. are mentioned in the protologue as host species, *Parmelia omphalodes* and *P. saxatilis*. A lectotype has not been designated so far.

2. VIII. 1984 leg. R. Rosentreter (3558), det. M. S. Christiansen
distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

262. *Abrothallus pezizicola* Diederich & R.C.Harris

in Diederich, Herzogia 16: 44 (2003).

Host: *Cladonia macroceras* (thallus)

Europe, Austria: Vorarlberg, Eastern Alps, Silvretta group, at the southern end of the Silvretta-Stausee S of the pass Bielerhöhe, near the (northern) bridge over the Klostertaler Bach, 46°53'55"N / 10°05'05"E, c. 2072 m alt., at a shady talus exposed to the N, on acidic soil between mosses.

Note 1: The type host of *Abrothallus pezizicola* is *Cladonia peziziformis*.

Note 2: On the distributed material the species grows together with *Lichenocodium pyxidatae* coll.

Summer 2015 leg. E. Zimmermann (1309), det. E. Zimmermann
distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

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

in Geneacaena Lichenum: 22 (1854) (as "*Dacampia Engeli*am"). – Bas.: *Sagedia engeliana* Saut. in Botanisches Centralblatt für Deutschland 20: 406 (1846). – Syn.: *Xenosphaeria engeliana* (Saut.) Trevis. in Conspectus Verrucarinarum: 18 (1860). – *Pleospora engeliana* (Saut.) G.Winter in Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, 2. Aufl., 1(2): 493 (1885). – *Polyblastia engeliana* (Saut.) H.Olivier in Bulletin de l'Académie Internationale de Géographie Botanique, sér. 3, 16: 258 (1906).

Host: *Solorina octospora* (thallus)

Europe, Austria: Kärnten (Carinthia), Eastern Alps, Gailtal Alps, Jaukenhöhe SE above Oberdrauburg, W ridge below Jaukenstöckl, 46°42'05"N / 13°03'00"E, c. 2000 m alt., GF 9244/3, on soil over limestone on a steep slope exposed to the N.

Note 1: The species was originally described as a lichen. Sauter did not recognize that the fungus forming the perithecioid ascomata is a lichenicolous ascomycete on a *Solorina* thallus.

Note 2: The name has been typified on the lichenicolous fungus by Hafellner (Fritschiana 76: 56, 2013).

16. VII. 1978

leg. J. Hafellner (3869), det. J. Hafellner

distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

264. *Skyttea megalosporae* Etayo & Diederich

in The Lichenologist 30(2): 113 (1998).

Host: *Megalospora tuberculosa* (thallus)

Europe, France: dépt. Pyrénées-Atlantiques, Sainte-Engrâce, along the road D113 towards the Col de la Pierre Saint-Martin, somewhat (SW) below the plateau d'Iratzordoky, 42°59'53"N / 0°46'47"W, c. 900–970 m alt., deciduous forest with some *Abies*, on bark of *Fagus sylvatica*.

Note 1: *Megalospora tuberculosa* is the type host of the species.

2. IX. 2015

leg. P. Diederich (18116), det. P. Diederich

distributed to: BCN, BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

265. *Skyttea nitschkei* (Körb.) Sherwood, D.Hawksw. & Coppins

in Transactions of the British Mycological Society 75(3): 488 (1981). – Bas.: *Nesolechia nitschkei* Körb. in Parerga Lichenologica: 462 (1865). – Syn.: *Niptera nitschkei* (Körb.) Rehm in Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, 2. Aufl., Bd. 1, Abt. 3: 561 (1891). – *Beloniella nitschkei* (Körb.) Rehm in Berichte der Bayerischen Botanischen Gesellschaft 13: 182 (1912). – *Rhymbocarpus nitschkei* (Körb.) Triebel in Bibliotheca Lichenologica 35: 144 (1989).

Host: *Thelotrema lepadinum* (thallus, apothecial margins)

Europe, France: dépt. Pyrénées-Atlantiques, Sainte-Engrâce, along the road D113 towards the Col de la Pierre Saint-Martin, somewhat (SW) below the plateau d'Iratzordoky, 42°59'53"N / 0°46'47"W, c. 900–970 m alt., deciduous forest with some *Abies*, on bark of *Fagus sylvatica*.

Note 1: *Thelotrema lepadinum* is the type host of the species.

2. IX. 2015

leg. P. Diederich (18117), det. P. Diederich

distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

266. *Skyttea pertusariicola* Diederich & Etayo

in Nash, T. H. III et al., Lichen Flora of the Greater Sonoran Desert Region 2: 694 (2004).

Host: *Pertusaria* spec. (thallus, ascomatal verrucae)

Europe, Portugal: Algarve, 3 km SW of Lagoa, E of Sesmarias, 37°06'46"N / 08°28'44"W, c. 65 m alt., cultivated land with scattered trees, on branches of *Prunus amygdalus*.

Note 1: The type host of *Skyttea pertusariicola* is an undetermined *Pertusaria* from California.

Note 2: *Minutoexcipula mariana* is co-occurring on the material. Duplicates of that species are distributed under Lichenicolous Biota no. 255.

26. V. 2015

leg. P. Diederich (17775), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, NY, PRM, UPS

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267. *Sphaerellothecium parmeliae* Diederich & Etayo

in Etayo & Diederich, The Lichenologist 30(2): 117 (1998).

Host: *Parmelia saxatilis* (thallus)

Europe, France: dépt. Pyrénées-Atlantiques, 22 km ESE of Saint-Jean-Pied-de-Port, W of the village Larrau near the chalets d'Iraty, 43°02'25"N / 01°01'35"W, c. 1350 m alt., beech forest, on bark of *Fagus sylvatica*.

Note 1: *Parmelia saxatilis* is the type host of the species.

1. IX. 2015 leg. P. Diederich (18099), det. P. Diederich
distributed to: BR, CANB, GZU, NY, PRM, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

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

in Bibliotheca Lichenologica 77: 109 (2000). – Bas.: *Laestadia olivieri* Vouaux in Bulletin de la Société Mycologique de France 28: 216 (1912) nomen novum for *Verrucaria xanthoriae* Wedd. f. *megaspora* H.Olivier in Les principaux parasites de nos Lichens français. Premier supplément: 14 (1907).

Host: *Xanthoria parietina* (thallus)

Europe, Austria: Steiermark (Styria), Eastern Alps, Northern Limestone Alps, Mürzsteg Alps, Dobrein Graben c. 4.4 km W of the village Mürzsteg, at the confluence with the creek of the Buchalpengraben, 47°40'55"N / 15°26'05"E, c. 870 m alt., GF 8358/2, solitary trees and bushes near a farmhouse, on dead branches of *Sambucus nigra*.

Note 1: *Xanthoria parietina* is the type host of *Telogalla olivieri*.

21. IX. 2008 leg. J. Hafellner (83240) & A. Hafellner, det. J. Hafellner
distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

269. *Tremella graphidis* Diederich, Millanes, Wedin & Common
Paratype

in Ariyawansa et al., Fungal Diversity 75: 242 (2015).

Host: *Graphis caesiella* (apothecia)

Northern America, U.S.A.: Florida, Collier Co., Fakahatchee Strand State Preserve, trail starting from gate 7, 25°58'47"N / 81°24'36"W, c. 2 m alt., swamp forest, host thalli corticolous on branches of an unnamed tree.

Note 1: In the protologue two host species are mentioned, *Graphis assimilis* and *G. caesiella*.

Note 2: The species develops intrahymenial basidiomata and is therefore very inconspicuous on dried herbarium samples. Infections are indicated by somewhat widened discs of the lirelliform host apothecia.

10. XI. 2011

leg. R. Common (9370H), det. P. Diederich

distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana 86: 31–46.

270. *Tremella phaeographinae* Diederich & Aptroot

in Diederich, Bibliotheca Lichenologica 61: 140 (1996).

Host: *Phaeographina* spec. (apothecia)

Northern America, U.S.A.: Florida, Hillsborough Co., Hillsborough River State Park, along the Florida Trail, 28°08'56"N / 82°14'06"W, c. 30 m alt., evergreen broad-leaved forest with many palms, host thalli corticolous on branches of an unnamed tree.

Note 1: The type host of *Tremella phaeographinae* is an undetermined *Phaeographina* occurring in Florida.

Note 2: The basidiomata of the distributed material are of rather pale colour.

15. IX. 2011

leg. R. Common (9481B), det. P. Diederich

distributed to: BR, CANB, GZU, NY, UPS

Taxon Synopsis:

Taxon	Exs. no.
Ascomycota	
Arthoniomycetes	
<i>Lichenostigma maureri</i>	254
Lecanoromycetes (incl. Ostropomycetidae)	
<i>Phacopsis vulpina</i>	258
Leotiomycetes	
<i>Echinodiscus kozhevnikovii</i>	253
<i>Skyttea megalosporae</i>	264
<i>Skyttea nitschkei</i>	265
<i>Skyttea pertusariicola</i>	266
Sordariomycetes (incl. Hypocreales)	
<i>Nectriopsis lecanodes</i>	256
<i>Nectriopsis physciicola</i>	257
Eurotiomycetes (incl. Verrucariales and Mycocaliciales)	
<i>Bellemerella ritae</i>	252
<i>Telogalla olivieri</i>	268
Dothideomycetes	
<i>Abrothallus bertianus</i>	251
<i>Abrothallus parmeliarum</i>	261
<i>Abrothallus pezizicola</i>	262
<i>Dacampia engeliana</i>	263
<i>Polycoccum pulvinatum</i>	259
<i>Sphaerellothecium parmeliae</i>	267
Anamorphic Fungi (unclassified)	
Hyphomycetes	
<i>Minutoexcipula mariana</i>	255
Coelomycetes	
<i>Vouauxiella lichenicola</i>	260
Basidiomycota	
Tremellomycetes	
<i>Tremella graphidis</i>	269
<i>Tremella phaeographinae</i>	270

Host Index:

Host taxon	Lichenicolous taxon	Exs. no.
<i>Cetraria islandica</i>	<i>Echinodiscus kozhevnikovii</i>	253
<i>Cladonia macroceras</i>	<i>Abrothallus pezizicola</i>	262
<i>Graphis caesiella</i>	<i>Tremella graphidis</i>	269
<i>Lecanora spec.</i>	<i>Vouauxiella lichenicola</i>	260
<i>Letharia vulpina</i>	<i>Lichenostigma maureri</i>	254
<i>Letharia vulpina</i>	<i>Phacopsis vulpina</i>	258
<i>Megalospora tuberculosa</i>	<i>Skyttea megalosporae</i>	264
<i>Melanelixia glabratula</i>	<i>Abrothallus bertianus</i>	251
<i>Parmelia saxatilis</i>	<i>Abrothallus parmeliarum</i>	261
<i>Parmelia saxatilis</i>	<i>Sphaerellothecium parmeliae</i>	267
<i>Peltigera praetextata</i>	<i>Nectriopsis lecanodes</i>	256
<i>Pertusaria spec.</i>	<i>Minutoexcipula mariana</i>	255
<i>Pertusaria spec.</i>	<i>Skyttea pertusariicola</i>	266
<i>Phaeographina spec.</i>	<i>Tremella phaeographinae</i>	270
<i>Physcia caesia</i>	<i>Polycoccum pulvinatum</i>	259
<i>Physcia stellaris</i>	<i>Nectriopsis physciicola</i>	257
<i>Solorina octospora</i>	<i>Dacampia engeliana</i>	263
<i>Thelotrema lepadinum</i>	<i>Skyttea nitschkei</i>	265
<i>Xanthoria parietina</i>	<i>Telogalla olivieri</i>	268
<i>Xylographa soralifera</i>	<i>Bellemerella ritae</i>	252

Geographic Index:

BIOGEOGRAPHIC UNITS (see BRUMMITT 2001)

Country (or Archipelago)	Lichenicolous taxon	Exs. no.
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Austria.....	<i>Abrothallus pezizicola</i>	262
	<i>Dacampia engeliana</i>	263
	<i>Nectriopsis lecanodes</i>	256
	<i>Nectriopsis physciicola</i>	257
	<i>Polycoccum pulvinatum</i>	259
	<i>Teloggalla olivieri</i>	268
Germany	<i>Abrothallus bertianus</i>	251
France.....	<i>Skyttea megalosporae</i>	264
	<i>Skyttea nitschkei</i>	265
	<i>Sphaerellothecium parmeliae</i>	267
Portugal	<i>Minutoexcipula mariana</i>	255
	<i>Skyttea pertusariicola</i>	266
Switzerland	<i>Echinodiscus kozhevnikovii</i>	253
	<i>Lichenostigma maureri</i>	254
	<i>Phacopsis vulpina</i>	258
2. AFRICA		
3. ASIA TEMPERATE		
4. ASIA TROPICAL		
5. AUSTRALASIA		
6. PACIFIC		
7. NORTHERN AMERICA		
U.S.A.	<i>Abrothallus parmeliarum</i>	261
	<i>Bellemerella ritae</i>	252
	<i>Tremella graphidis</i>	269
	<i>Tremella phaeographinae</i>	270
	<i>Vouauxiella lichenicola</i>	260
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