New or otherwise interesting lichenized and lichenicolous fungi from Montenegro II

Helmut MAYRHOFER*[1], Danijela STEŠEVIĆ[2], Andreas BRUDERMANN[1], Beate Raffaela FÖTSCHL[1] & Peter Othmar BILOVITZ[1]

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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.

[1]Institute of Plant Sciences, NAWI Graz, University of Graz, Holteigasse 6, 8010 Graz, AUSTRIA

[2]Faculty of Sciences, University of Montenegro, 81000 Podgorica, MONTENEGRO

*Corresponding author (e-mail: helmut.mayrhofer@uni-graz.at)

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 lichenlogists 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 00029 5303).

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 0003331644).

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 pseudoplatanus*, 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 Vasojevićki, 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 *Rhizocaropon 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 Vasojevićki, 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 00029 3108). - 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 00029 5028, 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 Vasojevićki, 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 & Søchting (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 00029 3057).

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 00029 3063). 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 tiroliensis Zahlbr. (syn. *Parvoplaca t*.)
Komovi, Kom Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 00033 1547, 000331549). - Komovi, Kom Vasojevićki, 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 00029 2643). - 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 Auffahrt 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 Vasojevićki, 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 Vasojevićki, 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 00029 3103, 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 00029 3097). - 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 00029 3096). 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 00033 1684, 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 (SERVÍT 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 Boljevići, 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 00033 1597). - 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 00029 3084). 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 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 *Catillaria lenticularis*).

Lecanora argentata (Ach.) Malme [includs *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 Vasojevićki, 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 Vasojevićki, 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 00033 1526).

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 leptyrodes*** (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 00029 5023).

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 Vasojevićki, 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 Nikšic, 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 00033 1552).

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 leptyrodes*).

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 Vasojevićki, 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).

****Lecidea lapicida*** (Ach.) Ach. var. ***lapicida***
Komovi, Kom Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 00033 1569).

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 00029 3095). - 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. *Pertusara 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 Vasojevićki, 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 crevises, 12.06.2009, Mayrhofer 18470 (GZU).

****Lepraria diffusa*** (J.R.Laundon) Kukwa
Komovi Mountains, Kom Vasojevićki, 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 00029 5115).

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 & Søchting (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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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.) Śliwa, 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.) Śliwa, 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''S, 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.) Śliwa, 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.) Śliwa, 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 00029 3079). - 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 Vasojevićki, 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 Verseghy
Komovi, Kom Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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).

Pectenia atlantica (Degel.) P.M.Jørg. et al. (syn. *Degelia 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 *Quercus pubescens*, 30.04.2010, Magnes (GZU).

Pectenia 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 00033 1525).

****Pertusaria glomerata*** (Ach.) Schaer.
Komovi, Kom Vasojevićki, 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 Radoviči, 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.) Fürnr.
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.) Fürnr.
SW of Jasenovo Polje, N of Nikšic, 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 Vasojevićki, 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 Versuta, 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 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).

Physconia 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).

Physconia 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 schaereri (Fr.) Breuss

SW of Jasenovo Polje, N of Nikšic, 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 00029 5099).

Polysporina simplex (Taylor) Vězda

Komovi, Kom Vasojevićki, 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 00029 3083). - 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 21095 (GZU 000331595).

Protoparmelia badia (Hoffm.) Hafellner
Komovi, Kom Vasojevićki, 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 Vasojevićki, 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 Vasojevićki, 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 Vasojeviči, 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 Radoviči, next to the restaurant, 42°23'10''N, 18° 40'59''E, 0–2 m, on *Pinus halepensis*, 06.06.2016, Mayrhofer 21084 (GZU 00033 1584).

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 Vasojevićki, 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 Nikšic, 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 Vasojevićki, 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 00029 5100).

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 Vasojevićki, 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*** Lynge
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 Nikšic, 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 Vasojeviči, 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 (SERVÍT 1931).

Rhizocarpon polycarpum (Hepp) Th.Fr.

Komovi, Kom Vasojevićki, 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 Nikšic, 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 byrophytes over limestone, 05.06.2016, Mayrhofer 21081 (GZU 00033 1581). 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).

Seirophora 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 Vasojevićki, 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 00029 5310).

Staurolemma omphalarioides (Anzi) P.M.Jørg. & Henssen
Virpazar, road to Boljevici, 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 Radoviči, 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 00029 5305).
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 Vasojevićki, 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 (SERVÍT 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 00029 5018).
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 Vasojevićki, 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 Vasojevićki, 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, 00033 1575).

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).

Telogalla 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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