# New or otherwise interesting lichenized and lichenicolous fungi from Montenegro

Peter O. BILOVITZ[1], Branka KNEŽEVIĆ[2], Danijela STEŠEVIĆ[2], Orvo VITIKAINEN[3], Snežana DRAGIĆEVIĆ[4] & Helmut MAYRHOFER[1]*

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**Abstract:** A list of 256 taxa of lichens (252 species) and 2 species of lichenicolous fungi from Montenegro is presented, including 58 taxa (57 species) new to Montenegro. The list is based on specimens kept in the lichen collections of the herbaria GZU, H, Podgorica, and in the private herbarium of Klaus Kalb, and on recent field work in various parts of the country. The genera *Biatoridium*, *Carbonea*, *Cercidospora*, *Heppia*, *Hyperphyscia*, *Hypocenomyce*, *Leprocaulon*, *Lethariella*, *Megalospora*, *Orphniospora*, *Psorinia and Vahliella* are reported from Montenegro for the first time.

[1]Institute of Plant Sciences, Karl-Franzens-University Graz,
Holteigasse 6, A-8010 Graz, AUSTRIA;
*Corresponding author (E-mail: helmut.mayrhofer@uni-graz.at)
[2]Faculty of Sciences, University of Montenegro, 81000 Podgorica, MONTENEGRO
[3]Finnish Museum of Natural History, FI-00014 University of Helsinki, FINLAND
[4]Natural History Museum of Montenegro, 81000 Podgorica, MONTENEGRO

## Introduction

In the framework of a catalogue of the lichenized fungi of Bulgaria (MAYRHOFER et al. 2005) the lichen collection of the herbarium GZU has been evaluated for material from the Balkan Peninsula.

The specimens from Montenegro were mainly collected by the late Josef Poelt and his students Josef Hafellner and Helmut Mayrhofer in the Prokletije and Komovi mountain ranges and adjacent valleys in 1974. In addition, the specimens collected by Orvo Vitikainen and Pertti Uotila during a botanical excursion to western Yugoslavia in 1971 are considered, as well as a small number of samples collected by Klaus Kalb from the mountain Lovćen in 1972. The results of field studies in various parts of the country in the years 2004, 2005, 2007 and 2008 are also included, except for the collections from the Bjelasica mountain range (with special emphasis on the Biogradska gora National Park), which were already published in BILOVITZ et al. (2008).

## Material and methods

The specimens have been identified using routine light microscopy techniques, with the aid of the following literature: POELT (1969), POELT & VĚZDA (1977, 1981), CLAUZADE & ROUX (1985) and WIRTH (1995). Some of the identifications required verification by using standardized thin-layer chromatography (TLC) following the protocols of WHITE & JAMES (1985) and ORANGE et al. (2001). The specimens are preserved in the herbaria of the Institute of Plant Sciences, Karl-Franzens-University Graz (GZU), of the Botanical Museum, University of Helsinki (H), the Natural History Museum of Montenegro (Podgorica), and a smaller number in the private collection of Klaus Kalb (Lichenologisches Institut Neumarkt/Opf., Deutschland).

The nomenclature follows SANTESSON et al. (2004) and, for taxa not represented in this study, NIMIS & MARTELLOS (2003) or other modern treatments. New records for Montenegro are marked with an asterisk (*).

## List of lichenized fungi

***Acrocordia gemmata*** (Ach.) A.Massal.
Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18274, B. Nedović, B. Knežević & M. Jakić (GZU).

***Amandinea punctata*** (Hoffm.) Coppins & Scheid.
Gornja Morača, Dragovića polje (left side of Morača river), close to the military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragićević 0067 (Podgorica). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17884, B. Nedović & B. Knežević (GZU).

***Anaptychia ciliaris*** (L.) Körb.
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, on dead twigs of *Picea abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7007 (H). NW of Žabljak, c. 1400 m, grazed hill, on basal trunk of a solitary *Fagus sylvatica*, leg. O. Vitikainen 7012 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7170 (H). – Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, 1650 m, 15.VII.1974, leg. J. Hafellner 212 (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1600 m, beweideter Buchenwald, 15.VII.1974, leg. H. Mayrhofer 17 (GZU); ibid., ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

****Anaptychia setifera*** Räsänen
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 236, det. J. Poelt (GZU).

***Arthonia radiata*** (Pers.) Ach.
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU, associated with *Lecidella achristotera*).

***Aspicilia calcarea*** (L.) Mudd
Prokletije-Gebirge, zwischen Čakor-Pass und Starac, ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17903, B. Nedović & B. Knežević (GZU).

***Aspicilia cinerea*** (L.) Körb.
Prokletije-Gebirge, zwischen Čakor-Pass und Starac, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).
This species was only known from siliceous rocks on the hill Vrmac near Kotor (ZAHLBRUCKNER 1909).

***Aspicilia contorta*** (Hoffm.) Kremp.
Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17961, B. Knežević & S. Dragićević (GZU).

****Bacidia arceutina*** (Ach.) Arnold
Melješ tak creek (right confluent of Morača), approximately 200 m upstream from the mouth of the river Morača, c. 220 m, on a twig, 18.V.2005, leg. S. Dragićević 0044 (Podgorica, with *Frullania dilatata* (L.) Dumort.).

***Bacidia laurocerasi*** (Delise ex Duby) Zahlbr.
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17972, B. Knežević & S. Dragićević (GZU).

****Biatoridium monasteriense*** J.Lahm ex Körb.
Gornja Morača, Žlijeb (up to the spring of Morača), c. 1200 m, on soil, 29.VII.2005, leg. S. Dragićević 0070 (Podgorica).

***Caloplaca alnetorum*** Giralt, Nimis & Poelt
Lovćen Gebirge oberhalb von Kotor, 250 m, on *Thuja*, 05.IV.1972, leg. K. Kalb (Kalb).
This is the first confirmed record for Montenegro. The dot on the map provided by GIRALT et al. (1992) does not correspond to any locality given under their paragraph on examined specimens.

****Caloplaca arnoldii*** (Wedd.) Zahlbr.
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt, conf. E. Gaya & P. Navarro-Rosinés (GZU).

****Caloplaca biatorina*** (A.Massal.) J.Steiner
3 km SO Andrijevica, am Weg zum Čakor-Pass, 14.VII.1974, leg. J. Hafellner 1197 (GZU). Prokletije-Gebirge, Đevojački krš (= Gebiet südlich des Čakor-Passes), ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

***Caloplaca cerina*** (Hedw.) Th.Fr.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, on *Fagus sylvatica* in grass-herb forest, 16.VI.1971, leg. O. Vitikainen 7043 (H); ibid., on trunk of *Acer pseudoplatanus,* 16.VI.1971, leg. O. Vitikainen 7037 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on solitary *Populus tremula*, 17.VI.1971, leg. O. Vitikainen 7181 p.p., 7423 p.p. (H). – Lovćen, oberhalb von Kotor, 1250 m, on *Populus*, 05.IV.1972, leg. K. Kalb 4573 (Kalb). Lovćen, Ivanova Korita, 42°22’55’’N/ 18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18273, B. Nedović, B. Knežević & M. Jakić (GZU).

***Caloplaca*** cf. ***chalybeia*** (Fr.) Müll.Arg.
Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06’54’’N/ 19°12’54’’E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17905, B. Nedović & B. Knežević (GZU).

****Caloplaca cirrochroa*** (Ach.) Th.Fr.
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

****Caloplaca citrina*** (Hoffm.) Th.Fr.
Smokovac NE of Podgorica, Morača gorge, 42°29’01,8’’N/19°18’47,3’’E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17938 & D. Stešević (GZU). – Above Sv. Stefan along the main road to Budva, 42°15,601’N/18°53,865’E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17963, B. Knežević & S. Dragićević (GZU).

***Caloplaca coccinea*** (Müll.Arg.) Poelt
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

***Caloplaca crenularia*** auct.
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305’N/18°49,217’E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17995, B. Knežević & S. Dragićević, det. J. Vondrák (GZU). – Boljevići W of Virpazar, along the

road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17838 & D. Stešević (GZU).
This species was only known from hornfels and siliceous rocks in the environment of Herceg Novi (SERVÍT 1931, as *C. festiva*).

****Caloplaca crenulatella*** (Nyl.) H.Olivier
Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17964, B. Knežević & S. Dragićević, det. J. Vondrák (GZU).

***Caloplaca ferruginea*** (Huds.) Th.Fr.
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, 1650 m, 15.VII.1974, leg. J. Hafellner 208, det. J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

****Caloplaca flavescens*** (Huds.) J.R.Laundon
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17937 & D. Stešević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17902, B. Nedović & B. Knežević (GZU).

****Caloplaca flavocitrina*** (Nyl.) H.Olivier
Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17964, B. Knežević & S. Dragićević, det. J. Vondrák (GZU, associated with *C. crenulatella*).

***Caloplaca flavorubescens*** (Huds.) J.R.Laundon
Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7174 (H); ibid., on trunk of old *Salix*, leg. O. Vitikainen 7156 (H).

***Caloplaca flavovirescens*** (Wulfen) Dalla Torre & Sarnth.
Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17965, B. Knežević & S. Dragićević (GZU).
This species was only known from limestone in the environment of Herceg Novi (KÖRBER 1867, as *Callopisma aurantiacum* f. *flavovirescens*).

****Caloplaca fuscoatroides*** J.Steiner
SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević, det. J. Vondrák (GZU).

***Caloplaca herbidella*** (Hue) H.Magn.
Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17867, B. Nedović & B. Knežević (GZU).

***Caloplaca holocarpa*** (Hoffm.) A.E.Wade
40 km NNE of Nikšić, 7 km SSE of Žabljak, Bare, c. 1400 m, on decaying boards on roof of a shed near the village, 18.VI.1971, leg. O. Vitikainen 7223 p.p. (H).

****Caloplaca insularis*** Poelt
Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, J. Poelt (GZU).

****Caloplaca*** cf. ***phlogina*** (Ach.) Flagey
Medun, 42°28’02’’N/19°21’11’’E, c. 450 m, roadside trees, on bark of *Ulmus*, 02.IV.2004, leg. H. Mayrhofer 17921, B. Nedović & B. Knežević (GZU).

***Caloplaca pyracea*** (Ach.) Th.Fr.
40 km NNE of Nikšić, 7 km SSE of Žabljak, Bare, c. 1400 m, on decaying boards on roof of a shed near the village, 18.VI.1971, leg. O. Vitikainen 7223 p.p. (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 17.VI.1971, leg. O. Vitikainen 7181, 7423 (H). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381’N/18°49,261’E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17974, B. Knežević & S. Dragićević (GZU).

****Caloplaca saxifragarum*** Poelt
Montes Durmitor, (pars merid.), ad latera montis Zupci supra transitum sedlo, alt. 2000–2100 m, in rupibus calcareis et supra plantas destructas, 22.VIII.1984, A. Vězda (GZU).

***Caloplaca stillicidiorum*** (Vahl) Lynge
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7064 (H).

****Caloplaca xantholyta*** (Nyl.) Jatta
Kuči, Medun, 42°28’22’’N/19°21’45’’E, c. 500 m, rocky slopes, on limestone, 02.IV.2004, leg. H. Mayrhofer 17918, B. Nedović & B. Knežević (GZU). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305’N/18°49,217’E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17987, B. Knežević & S. Dragićević (GZU).

****Caloplaca xanthostigmoidea*** sensu auct. pro parte non (Räsänen) Zahlbr. (? syn. *C. epiphyta* Lynge)
Prokletije-Gebirge, Gebiet zwischen Čakor Pass (1849 m) und Starac (2426 m), Silikat und Kalk, 14.VII.1974, leg. J. Poelt (GZU).

HAFELLNER et al. (2008) discuss the status of the taxon in more detail. VONDRÁK et al. (2008) report it from the mountains of the Greek island Crete.

***Calvitimela armeniaca*** (DC.) Hafellner
Prokletije-Gebirge, Gebiet südlich des Čakor Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).
This species was only known from hornfels in the Bjelasica mountain range (BILOVITZ et al. 2008).

***Candelaria concolor*** (Dicks.) Stein
Morača river canyon, north of Milunovići village (right side of Morača river), c. 120 m, on bark of *Quercus* sp., 14.VIII.1997, leg. S. Dragićević 0080 (Podgorica, with *Ulota crispa* (Hedw.) Brid.). Ras NW of Smokovac NE of Podgorica, above Morača gorge, 42°28'40,7''N/19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on bark of *Quercus troyana*, 26.III.2008, leg. H. Mayrhofer 17947 & D. Stešević (GZU). – Podgorica, hostel Blue Castle, 42°26'44''N/19°15'11''E, c. 60 m, roadside trees in front of the hostel, on bark of *Acer*, 01.IV.2004, leg. H. Mayrhofer 17910 (GZU); ibid., on bark of *Melia*?, 01.IV.2004, leg. H. Mayrhofer 17911 (GZU). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Arbutus unedo*, 28.III.2008, leg. H. Mayrhofer 17967, B. Knežević & S. Dragićević (GZU); ibid., on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17976, B. Knežević & S. Dragićević (GZU). – Rumija, Gornja Briska above Livari, 42°06'57''N/19°13'07''E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17898, B. Nedović & B. Knežević (GZU).

***Candelariella aurella*** (Hoffm.) Zahlbr.
Žabljak, Mt. Durmitor, near Crno jezero, 1700 m, *Pinus mugo* zone, rock outcrop and boulders, 19.VI.1971, leg. O. Vitikainen 7198 (H).

****Candelariella lutella*** (Vain.) Räsänen
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 6998 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Fagus* forest, on trunk of old *Fagus,* 19.VI.1971, leg. O. Vitikainen 7162 (H); ibid., *Pinus mugo* zone, on trunk of solitary *Populus tremula,* leg. O. Vitikainen 7173 (H).

***Candelariella reflexa*** (Nyl.) Lettau
Melješ̆tak creek (right confluent of Morača), approximately 200 m upstream from the mouth of Morača river, c. 220 m, on fallen rotten tree, 18.V.2005, leg. S. Dragićević 0086 (Podgorica). Ras NW of Smokovac NE of Podgorica, above Morača gorge, 42°28'40,7''N/19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on bark of *Quercus troyana*, 26.III.2008, leg. H. Mayrhofer 17946 & D. Stešević (GZU).
This common species was only known from the Bjelasica (BILOVITZ et al. 2008).

***Candelariella vitellina*** (Hoffm.) Müll.Arg.
40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7206 (H). – Lovćen Gebirge,

oberhalb von Kotor, 250 m, on *Robinia pseudacacia*, 05.IV.1972, leg. K. Kalb 4569, 4575, 4576 (Kalb).

***Candelariella xanthostigma*** (Ach.) Lettau
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7006 (H).

****Carbonea distans*** (Kremp.) Hafellner & Obermayer
Prokletije-Gebirge, Gebiet südlich des Čakor Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, auf *Orphniospora mosigii*, 14.VII.1974, leg. J. Poelt (GZU).

***Catapyrenium cinereum*** (Pers.) Körb.
Prokletije-Gebirge, Gebiet zwischen Čakor Pass (1849 m) und Starac (2426 m), Silikat und Kalk, 14.VII.1974, leg. J. Poelt, det. O. Breuß (GZU).

***Catillaria chalybeia*** (Borrer) A.Massal.
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17838 & D. Stešević (GZU, associated with *Caloplaca crenularia*).

***Cetraria islandica*** (L.) Ach.
40 km NNE of Nikšić, Žabljak, NW of Crno jezero, *Picea-Abies* forest, c. 1350 m, on ground, sparsely, 16.VI.1971, leg. O. Vitikainen 7039 (H); ibid., Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, c. 1700 m, 19.VI.1971, leg. O. Vitikainen 7192 (H), P. Uotila 11163 (H). – Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Aufstieg zum Grat westlich des Starac-Gipfel, Bereich über der Waldgrenze, ca. 2100–2230 m, 14.VII.1974, leg. J. Poelt (GZU).

***Cetraria muricata*** (Ach.) Eckfeldt
SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU).
This species was only known from Vlasulja (KUŠAN 1932, as *C. alpina*).

****Cladonia cenotea*** (Ach.) Schaer.
40 km NNE of Nikšić, Žabljak, c. 1350 m, W shore of Crno jezero, on decayed stump of tree in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7102 (H).

****Cladonia cervicornis*** (Ach.) Flot.
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17998, B. Knežević & S. Dragićević (GZU).

***Cladonia coniocraea*** (Flörke) Spreng.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7099, 7100, 7101 (H). NW of Žabljak, Barno jezero, c. 1350 m, on decayed stump of tree in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7120 (H).

Žabljak, Mt. Durmitor, near Crno jezero, *Picea-Abies* forest, 1500 m, on decayed stump of tree, 17.VI.1971, leg. O. Vitikainen 7138 (H). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17889, B. Nedović & B. Knežević (GZU).

***Cladonia convoluta*** (Lam.) Anders

Morača river canyon, right side of Morača river, opposite to Duga Monastery, c. 110 m, on rock, 14.VIII.1997, leg. S. Dragićević 0049 (Podgorica). Bioče, right side of Morača, Vežišta (upstream from Piletići houses), c. 90 m, on rock close to the water, 18.V.1997, leg. S. Dragićević 0091 (Podgorica). Bioče, confluence of Mala rijeka and Morača river, c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0003, 0023 (Podgorica, with *Pleurochaete squarrosa* (Brid.) Lindb. and *Plagiomnium affine* (Blandow ex Funck) T.J. Kop.). Bioče, confluence of Mala rijeka and Morača river (right side of Morača), c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0002, 0004 (Podgorica, with *Hypnum cupressiforme* Hedw. and *Homalothecium lutescens* (Hedw.) H.Rob.). – Podgorica, Zlatica (left side of Morača river), c. 45 m, close to the riverside, on soil, 25.IV.1997, leg. S. Dragićević 0021 (Podgorica). Podgorica, City beach (Momišići), c. 45 m, on soil, 15.IX.2005, leg. S. Dragićević 0007 (Podgorica, with *Pleurochaete squarrosa*). Confluence of Morača and Skadar lake, right side of Morača river, c. 6 m, willow forest, humus on rock, 04.X.2005, leg. S. Dragićević 0035 (Podgorica, with *Pleurochaete squarrosa*). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17999, B. Knežević & S. Dragićević (GZU).

***Cladonia fimbriata*** (L.) Fr.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, limestone cliff, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7030a, det. T. Ahti (H). – Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17621 & B. Nedović (GZU). – Bioče, 200 m upstream from the mouth of Mala rijeka (left side), c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0010 (Podgorica, with *Hypnum cupressiforme* and *Pleurochaete squarrosa*).

***Cladonia furcata*** (Huds.) Schrad. subsp. ***furcata***

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7020, conf. S. Hammer (H); ibid., in rock crevices and terraces by trail in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7079, conf. S. Hammer (H). – Gornja Morača, Ljevišta, c. 1000 m, on rock, 29.VI.2005, leg. S. Dragićević 0064 (Podgorica, with *Abietinella abietina* (Hedw.) M.Fleisch. and *Hypnum cupressiforme*). Bioče, confluence of Mala rijeka and Morača, c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0003 (Podgorica, with *Pleurochaete squarrosa*). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17997, B. Knežević & S. Dragićević (GZU).

***Cladonia furcata*** subsp. ***subrangiformis*** (Sandst.) Abbayes
Bioče, 200 m upstream from the mouth of Mala Rijeka (left side), c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0011 (Podgorica, with *Hypnum cupressiforme*).
This taxon was only known from the Durmitor National Park (ŽUKOVEC 2005).

***Cladonia pocillum*** (Ach.) O.J.Rich.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7027, 7028 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, 1700 m, rock outcrop and boulders, 17.VI.1971, leg. O. Vitikainen 7187, conf. A. Kowalewska (H).

***Cladonia pyxidata*** (L.) Hoffm.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7032, 7065, 7068, 7080 (H). Žabljak, Mt. Durmitor, near Crno jezero, c. 1800 m, limestone cliff, 19.VI.1971, leg. P. Uotila 11165 (H). – Gornja Morača, Vragodo (spring of Morača river), c. 1600 m, on rock close to water, 11.X.2001, leg. S. Dragićević 0104 (Podgorica, with *Pellia epiphylla* (L.) Corda). Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragićević 0062 (Podgorica, with *Hypnum cupressiforme* and *Ditrichum flexicaule* (Schwägr.) Hampe). Gornja Morača, Ratnja river (right confluent of Morača), 500 m upstream from the mouth of Morača river, c. 550 m, termophilic wood, on soil, 27.X.2004, leg. S. Dragićević 0105 (Podgorica, with *Hypnum cupressiforme*). Međurječje, Pernica (delta of Mrtvica river to Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragićević 0076 (Podgorica, with *Homalothecium sericeum* (Hedw.) Schimp.). Bioče, confluence of Mala rijeka and Morača river (right side of Morača), c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0025 (Podgorica). Morača river canyon, left side of Morača, along the road to Duga Monastery, c. 110 m, on stone wall, 14.VIII.1997, leg. S. Dragićević 0083 (Podgorica, with *Leptodon smithii* (Hedw.) F. Weber & D. Mohr. and *Homalothecium sericeum*). – Confluence of Morača and Skadar lake, right and left side, c. 6 m, in willow forest and out of it, on soil, 04.X.2005, leg. S. Dragićević 0028, 0036 (Podgorica, with *Scorpiurium circinatum* (Brid.) M. Fleisch. & Loeske and *Tortella inclinata* (R.Hedw.) Limpr.). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/ 18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17996, B. Knežević & S. Dragićević (GZU). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17826, B. Knežević & D. Stešević (GZU). Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on mossy siliceous soil, 10.V.2007, leg. H. Mayrhofer 17847 & D. Stešević (GZU). Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17890, B. Nedović & B. Knežević (GZU).

***Cladonia rangiformis*** Hoffm.
Gornja Morača, Ratnja river (right confluent to Morača river), 500 m upstream from the mouth of Morača river, c. 550 m, termophilic wood, on wood, 27.X.2004, leg. S. Dragićević 0108 (Podgorica, with *Pleurochaete squarrosa*, *Racomitrium canescens*

(Hedw.) Brid. and *Eurhynchium striatum* (Hedw.) Schimp.). Međurječje, Pernica (confluence of Mrtvica river and Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragićević 0074 (Podgorica, with *Hypnum cupressiforme*). Melješ̆tak creek (right confluent of Morača), c. 220 m, approximately 200 m upstream from the mouth of Morača river, on soil, 18.V.2005, leg. S. Dragićević 0084 (Podgorica, with *Hypnum cupressiforme* and *Leptodon smithii*). Bioče, confluence of Mala rijeka and Morača (right side of Morača), c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0004, 0024, 0027 (Podgorica, with *Hypnum cupressiforme*, *Homalothecium lutescens* and *Pleurochaete squarrosa*). Bioče, Mala rijeka, approximately 500 m upstream from the mouth of Morača river, c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0009 (Podgorica, with *Hypnum cupressiforme*). – Kuči, Medun, 42°28'22''N/19°21'45''E, c. 500 m, rocky slopes, on soil, 02.IV.2004, leg. H. Mayrhofer 17916, B. Nedović & B. Knežević (GZU). SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU). Confluence of Morača river and Skadar lake, right and left side of Morača river, c. 6 m, willow forest, humus on a rock, soil, 04.X.2005, leg. S. Dragićević 0034, 0037 (Podgorica, with *Leptodon smithii* and *Pleurochaete squarrosa*).

****Cladonia rei*** Schaer.
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on siliceous soil, 10.V.2007, leg. H. Mayrhofer 17846 & D. Stešević (GZU).

***Cladonia symphycarpia*** (Flörke) Fr.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, limestone cliff, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7021 (H). – Gornja Morača, Ljevišta, c. 1000 m, on rock, 29.VI.2005, leg. S. Dragićević 0060, 0063 (Podgorica, with *Schistidium apocarpum* Bruch & Schimp. and *Hypnum cupressiforme*). Morača river canyon, right side of Morača river, opposite to Duga Monastery, c. 110 m, humus on a rock, 14.VIII.1997, leg. S. Dragićević 0093 (Podgorica, with *Pleurochaete squarrosa*). Morača river canyon, Milunovići village (right side of Morača river), c. 120 m, on rock, 14.VIII.1997, leg. S. Dragićević 0012 (Podgorica, with *Pleurochaete squarrosa* and *Scorpiurium circinatum*).

***Clauzadea metzleri*** (Körb.) Clauzade & Cl.Roux ex D.Hawksw.
Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/ 19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17907, B. Nedović & B. Knežević (GZU).
This species was only known from limestone on the mountain Lovćen (SERVÍT 1931, as *Protoblastenia m*.).

***Clauzadea monticola*** (Schaer.) Hafellner & Bellem.
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17990, B. Knežević & S. Dragićević (GZU).
This species was only known from limestone in the environment of Herceg Novi (KÖRBER 1867, as *Lecidea m*.).

***Collema callopismum*** A.Massal.
Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/ 19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17829, B. Knežević & D. Stešević (GZU).
This species was only known from limestone in Luštica (ZAHLBRUCKNER 1907).

***Collema crispum*** (Huds.) Weber ex F.H.Wigg.
Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17962, B. Knežević & S. Dragićević (GZU). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17830, B. Knežević & D. Stešević (GZU).
This species was only known from limestone in the environment of Herceg Novi (SERVÍT 1931).

***Collema cristatum*** (L.) Weber ex F.H.Wigg.
Bioče, right side of Morača river, Vežišta (upstream from Piletići houses), c. 90 m, on rock close to the water, 18.V.1997, leg. S. Dragićević 0087 (Podgorica). Morača river canyon, Smokovac, right side of Morača river (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragićević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus* (Brid.) K. Saito). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17951 & D. Stešević (GZU). – Lovćen Gebirge oberhalb von Kotor, 1110 m, an Kalk, 05.IV.1972, leg. K. Kalb 4577 (Kalb). Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/ 18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17988, B. Knežević & S. Dragićević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17900, B. Nedović & B. Knežević (GZU).

***Collema flaccidum*** (Ach.) Ach.
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17859, B. Nedović & B. Knežević (GZU).

***Collema furfuraceum*** (Arnold) Du Rietz
Morača river canyon, north from Milunovići village (right side of Morača river), c. 120 m, on bark of *Quercus* sp., 14.VIII.1997, leg. S. Dragićević 0080 (Podgorica, with *Ulota crispa*). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17984, B. Knežević & S. Dragićević (GZU).

***Collema tenax*** (Sw.) Ach. em. Degel.
Morača river canyon, Smokovac, right side of Morača river (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragićević 0066 (Podgorica, with

*Pleurochaete squarrosa* and *Didymodon acutus*). – Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragićević 0045 (Podgorica, with *Pleurochaete squarrosa* and *Scorpiurium circinatum*). Podgorica, City beach (Momišići), c. 45 m, on soil, 15.IX.2005, leg. S. Dragićević 0006, 0007 (Podgorica, with *Didymodon acutus*). – Lovćen Gebirge oberhalb von Kotor, 750 m, über Moosen auf Kalk, 05.IV.1972, leg. K. Kalb 4568 (Kalb). Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on soil in rock crevices, 28.III.2008, leg. H. Mayrhofer 17958, B. Knežević & S. Dragićević (GZU).

***Collema undulatum*** Laurer ex Flot.
Grenzgebiet zwischen Montenegro und Kosovo, Anstieg vom Čakor auf den Starac, ca. 1900 m, 14.VII.1974, leg. J. Hafellner 3236 (GZU).

***Cornicularia normoerica*** (Gunnerus) Du Rietz
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).
KÄRNEFELT (1986) has recorded this species from Montenegro without any information about the locality.

***Degelia atlantica*** (Degel.) P.M.Jørg. & P.James
Kotor, Tivat, Lastva, village, olive plantation on hillside, on trunks of *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7281, conf. P.M. Jørgensen (H).

***Degelia plumbea*** (Lightf.) P.M.Jørg. & P.James
Lovćen Gebirge, oberhalb von Kotor, 1450 m, an Fagus, 05.IV.1972, leg. K. Kalb 4548 (Kalb). Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18262, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17864, B. Nedović & B. Knežević (GZU).

***Dermatocarpon miniatum*** (L.) W.Mann
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7075 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1500–1600 m, 19.VI.1971, leg. O. Vitikainen 7152, 7191 (H).

***Diploschistes ocellatus*** (Vill.) Norman
Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/ 19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17955 & D. Stešević (GZU). – Podgorica, Zlatica (left side of Morača river), close to the riverside, c. 45 m, on stone, 25.IV.1997, leg. S. Dragićević 0018 (Podgorica). Podgorica, Nijagara waterfall along river Cijevna, 42°22'59,6''N/19°17'02''E, c. 40 m, on limestone, 08.V.2007, leg. H. Mayrhofer 17849, B. Knežević & D. Stešević (GZU).

***Diploschistes scruposus*** (Schreb.) Norman
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17832 & D. Stešević (GZU).

***Endocarpon pusillum*** Hedw.
Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragićević 0046 (Podgorica, with *Scorpiurium circinatum*).

***Evernia divaricata*** (L.) Ach.
40 km NNE of Nikšić, Žabljak, NW of Crno jezero, *Picea-Abies* forest, on dead twigs of *Picea abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7017 (H).

***Evernia prunastri*** (L.) Ach.
Gornja Morača, Dragovića polje (left side of Morača), close to military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragićević 0067 (Podgorica). Gornja Morača, Ratnja river (right branch of Morača river), 500 m upstream from the mouth of Morača river, c. 550 m, termophilic wood, on bark of *Fagus sylvatica*, 27.X.2004, leg. S. Dragićević 0107 (Podgorica). Melještak creek (right side of Morača river), approximately 200 m upstream from the mouth of Morača, c. 220 m, on twig, 18.V.2005, leg. S. Dragićević 0043 (Podgorica). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18258, B. Nedović, B. Knežević & M. Jakić (GZU).

***Farnoldia hypocrita*** (A.Massal.) Fröberg
Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU).

***Farnoldia jurana*** (Schaer.) Hertel
Pass zwischen Andrijevica und Babljak, am Fuß des Vasojevićki Kom, ca. 1800 m, 18.VII.1974, leg. J. Hafellner 3413, det. M. Pietschmann (GZU). Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt, det. M. Pietschmann (GZU).

***Flavoparmelia caperata*** (L.) Hale
Gornja Morača, Dragovića polje (left side of Morača river), close to military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragićević 0068 (Podgorica). Melještak creek (right side of Morača river), approximately 200 m upstream from the mouth of Morača, c. 220 m, on twig, 18.V.2005, leg. S. Dragićević 0044, 0085 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/ 19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17619 & B. Nedović (GZU). Morača river canyon, Morača Monastery, left side of Morača (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0077 (Podgorica, with *Frullania dilatata*). Međurječje, Pernica (confluence of Mrtvica and Morača river), upstream from the confluence, c. 180 m, on soil, 08. VII.1997, leg. S. Dragićević 0100 (Podgorica). Morača river canyon, left side of Morača, along the road to Duga Monastery, c. 110 m, on stone wall,

14.VIII.1997, leg. S. Dragićević 0082 (Podgorica, with *Homalothecium sericeum*). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on trunk of *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7276 (H). Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N /18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 19978, B. Knežević & S. Dragićević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17851, B. Nedović & B. Knežević (GZU).

***Fulgensia bracteata*** (Hoffm.) Räsänen subsp. ***bracteata***
Prokletije-Gebirge, Đevojački krš (= Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).
This taxon was only known from the alpine belt of the mountain Maglić (KUŠAN 1933, as *Caloplaca b*.).

****Fulgensia bracteata*** subsp. ***deformis*** (Erichsen) Poelt
Umgebung von Andrijevica, an der Auffahrt zum Čakor-Pass, oberhalb des Dorfes Velika, ca. 1040 m, schieferiges Gestein, 13.VII.1974, leg. J. Poelt (GZU).

***Fulgensia fulgens*** (Sw.) Elenk.
Morača river canyon, opposite to Duga Monastery (right side of Morača river), c. 110 m, on stone, 14.VIII.1997, leg. S. Dragićević 0094, 0095 (Podgorica, with *Tortella inclinata*). Bioče, right side of Morača, Vežišta (upstream from Piletići houses), c. 90 m, on rock close to water, 18.V.1997, leg. S. Dragićević 0088 (Podgorica). – Podgorica, City beach (Momišići), c. 45 m, on soil, 15.IX.2005, leg. S. Dragićević 0006 (Podgorica). Confluence of Morača and Skadar lake, right side of Morača, c. 6 m, willow forest, humus on rock, 04.X.2005, leg. S. Dragićević 0033 (Podgorica, with *Tortella* sp.).

****Fulgensia fulgida*** (Nyl.) Szatala
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on soil, 26.III.2008, leg. H. Mayrhofer 17924 & D. Stešević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17906, B. Nedović & B. Knežević (GZU).

***Fulgensia schistidii*** (Anzi) Poelt
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass und Starac; Đevojački krš, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, ca. 1960–2000 m, in Felsspalten, 14.VII.1974, leg. H. Mayrhofer 327, det. J. Poelt (GZU).

****Fuscidea kochiana*** (Hepp) V.Wirth & Vězda
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

***Fuscopannaria mediterranea*** (C.Tav.) P.M.Jørg.
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17985, B. Knežević & S. Dragićević (GZU).
This corticolous species was only known from the environment of Herceg Novi (JØRGENSEN 1978).

***Fuscopannaria olivacea*** (P.M.Jørg.) P.M.Jørg.
Kotor, Tivat, Lastva, olive plantation on hillside, on basal trunk of *Castanea sativa*, 20.VI.1971, leg. O. Vitikainen 7256, det. P.M. Jørgensen (H).

****Heppia lutosa*** (Ach.) Nyl.
SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU).

***Hymenelia epulotica*** (Ach.) Lutzoni
Pass zwischen Andrijevica und Babljak, am Fuß des Vasojevićki Kom, ca. 1800 m, Kalk, 18.VII.1974, leg. J. Hafellner 41455 (GZU).
This species was only known from limestone on the mountain Lovćen (SERVÍT 1931, as *Jonaspis e*.).

****Hyperphyscia adglutinata*** (Flörke) H.Mayrhofer & Poelt
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17977, B. Knežević & S. Dragićević (GZU).

****Hypocenomyce scalaris*** (Ach.) M.Choisy
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on lignum of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17866, B. Nedović & B. Knežević (GZU).

***Hypogymnia physodes*** (L.) Nyl.
40 km NNE of Nikšić, NW of Žabljak, Barno jezero, c. 1350 m, *Picea-Abies* forest, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7018 (H). – Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17628 & B. Nedović (GZU).

***Hypogymnia tubulosa*** (Schaer.) Hav.
40 km NNE of Nikšić, NW of Žabljak, Barno jezero, c. 1350 m, *Picea-Abies* forest, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7012 (H). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18270, B. Nedović, B. Knežević & M. Jakić (GZU, associated with *Melanohalea exasperata*). – Rumija, Livari, near crossing to

Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on branches of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17881, B. Nedović & B. Knežević (GZU, associated with *Melanohalea exasperata*).

***Icmadophila ericetorum*** (L.) Zahlbr.
40 km NNE of Nikšić, NW of Žabljak, Barno jezero, on decayed stump of tree in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7117 (H).
This species was only known from the Durmitor National Park (SAVIĆ 2001).

***Lecania cyrtella*** (Ach.) Th.Fr.
Confluence of Morača and Skadar lake, left side of Morača river, c. 6 m, willow forest, humus on rock, 04. X.2005, leg. S. Dragićević 0054 (Podgorica).

***Lecania hyalina*** (Fr.) R.Sant.
Morača river canyon, Morača Monastery, left side of Morača (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0079 (Podgorica).

****Lecania inundata*** (Körb.) M.Mayrhofer
Smokovac NE of Podgorica, Morača gorge, 42°29’01,8’’N/19°18’47,3’’E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17941 & D. Stešević (GZU). – Above Sv. Stefan along the main road to Budva, 42°15,601’N/18°53,865’E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17960, B. Knežević & S. Dragićević (GZU).

***Lecanora admontensis*** Zahlbr.
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac (2426 m), Đevojački krš (= Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).
This species was only known from the Komovi mountain range (ANONYMUS 1975).

***Lecanora agardhiana*** Ach. subsp. ***sapaudica*** Clauzade & Cl.Roux
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt, det. Cl. Roux (GZU).

***Lecanora argentata*** (Ach.) Malme
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 242, det. J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, schieferiges Gestein, beweideter Buchenwald mit *Picea abies* beigemischt, auf Rinde von *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

***Lecanora campestris*** (Schaer.) Hue
Boljevići W of Virpazar, along the road to Bar, 42°13,873’N/19°05,453’E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17838 & D. Stešević (GZU, associated with *Caloplaca crenularia*).
This species was only known from siliceous rocks on the hill Vrmac (ZAHLBRUCKNER 1910).

***Lecanora carpinea*** (L.) Vain.
10 km NW of Pljevlja, c. 1150 m, on trunk of *Abies* near the road in *Picea-Abies* forest, 15.VI.1971, leg. O. Vitikainen 6994 (H). – 40 km NNE of Nikšić, Žabljak, NW of Crno jezero, c. 1350 m, on trunk of *Acer pseudoplatanus* in grass-herb forest, 16.VI.1971, leg. O. Vitikainen 7038 (H); ibid., on *Fagus sylvatica*, leg. O. Vitikainen 7040, 7054, 7058 (H).

***Lecanora cenisia*** Ach.
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

***Lecanora chlarotera*** Nyl.
Melješ tak creek (right side of Morača river), approximately 200 m upstream from the mouth of Morača, c. 220 m, on twig, 18.V.2005, leg. S. Dragićević 0043, 0085 (Podgorica). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17981, B. Knežević & S. Dragićević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU, associated with *Lecidella achristotera*).

***Lecanora hagenii*** (Ach.) Ach. var. ***fallax*** Hepp
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac (2426 m), 14.VII.1974, leg. J. Poelt (GZU).

***Lecanora intumescens*** (Rebent.) Rabenh.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, on trunk of *Fagus sylvatica* in grass-herb forest, 16.VI.1971, leg. O. Vitikainen 7044 (H).

****Lecanora leuckertiana*** Zedda
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17873, B. Nedović & B. Knežević (GZU).

***Lecanora polytropa*** (Hoffm.) Rabenh.
40 km NNE of Nikšić, Žabljak, village, c. 1350 m, 18.VI.1971, leg. O. Vitikainen 7215 (H).

***Lecanora pruinosa*** Chaub.
Kuči, Medun, 42°28'22''N/19°21'45''E, c. 500 m, rocky slopes, on limestone, 02.IV.2004, leg. H. Mayrhofer 17920, B. Nedović & B. Knežević (GZU).
This species was only known from limestone in Klinči (ZAHLBRUCKNER 1907, as *L. sulphurella*).

***Lecanora semipallida*** H.Magn.
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).
This species was only known from limestone on the mountain Lovćen (SERVÍT 1931, as *L*. *dispersa* f. *coniotropa*).

****Lecanora subcarpinea*** Szatala
40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, c. 1400 m, on basal trunk of solitary *Fagus sylvatica*, 16.VI.1971, leg. O. Vitikainen 7113 (H).

****Lecanora varia*** (Hoffm.) Ach.
Žabljak, Mt. Durmitor, near Crno jezero, 1500–1600 m, 19.VI.1971, leg. O. Vitikainen 7154 (H).

****Lecidella achristotera*** (Nyl.) Hertel & Leuckert
Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18275, B. Nedović, B. Knežević & M. Jakić (GZU). Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381’N/18°49,261’E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17979, B. Knežević & S. Dragićević (GZU). Jaz W of Budva, 42°17’N/18°48’07’’E, plantations of *Populus* behind a sandy beach, on bark of *Populus*, 04.IV.2004, leg. H. Mayrhofer 18247, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU).

***Lecidella carpathica*** Körb.
Boljevići W of Virpazar, along the road to Bar, 42°13,873’N/19°05,453’E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17839 & D. Stešević (GZU).

***Lecidella elaeochroma*** (Ach.) M.Choisy
Melještak creek (right tributary of Morača river), c. 220 m, approximately 200 m upstream from the mouth of Morača, on twig, 18.V.2005, leg. S. Dragićević 0085 (Podgorica). – Podgorica, hostel Blue Castle, 42°26’44’’N/19°15’11’’E, c. 60 m, roadside trees in front of the hostel, on bark of *Melia*?, 01.IV.2004, leg. H. Mayrhofer 17914 (GZU). Confluence of Morača and Skadar lake, left side of Morača river, c. 6 m, willow forest, on twigs, 04.X.2005, leg. S. Dragićević 0052, 0053 (Podgorica). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381’N/18°49,261’E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17980, B. Knežević & S. Dragićević (GZU).

****Lecidella patavina*** (A.Massal.) Knoph & Leuckert
Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt, conf./vidi J.-G. Knoph (GZU).

***Lecidella stigmatea*** (Ach.) Hertel & Leuckert
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und dem Starac (2426 m), 14.VII.1974, leg. J. Poelt, conf./vidi J.-G. Knoph (GZU). Prokletije-Gebirge, Gebiet südlich des Čakor-Passes (1849 m), Kuppe südlich der Passhöhe, 1930–1960 m, Kalkfelsrippe, 14.VII.1974, leg. J. Poelt, conf./vidi J.-G. Knoph (GZU).

***Lepraria eburnea*** J.R.Laundon
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark and mossy bark of *Erica arborea*, 28.III.2008, leg. H. Mayrhofer 17969, B. Knežević & S. Dragićević (GZU). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17825, B. Knežević & D. Stešević (GZU, associated with *Vahliella saubinetii*); ibid., on mosses, 10.V.2007, leg. H. Mayrhofer 17827, B. Knežević & D. Stešević (GZU).
This species was only known from Bjelasica (BILOVITZ et al. 2008).

***Lepraria lobificans*** Nyl.
Gornja Morača, Žlijeb (up to the spring of Morača river), c. 1200 m, on soil, 29.VII.2005, leg. S. Dragićević 0070 (Podgorica).

****Lepraria nivalis*** J.R.Laundon
Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, rock crevices, 28.III.2008, leg. H. Mayrhofer 17959, B. Knežević & S. Dragićević (GZU).

***Lepraria rigidula*** (de Lesd.) Tønsberg
Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17625 & B. Nedović (GZU).
This species was only known from Bjelasica (BILOVITZ et al. 2008).

****Lepraria vouauxii*** (Hue) R.C.Harris
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark and mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17875, 17876, B. Nedović & B. Knežević (GZU).

****Leprocaulon microscopicum*** (Vill.) Gams
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on siliceous soil, 10.V.2007, leg. H. Mayrhofer 17845 & D. Stešević (GZU).

***Leptogium brebissonii*** Mont.
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17986, B. Knežević & S. Dragićević, det. A. Guttová (GZU).

***Leptogium gelatinosum*** (With.) J.R.Laundon
Confluence of Morača river and Skadar lake, left side of Morača river, c. 6 m, willow forest, humus on rock, 04.X.2005, leg. S. Dragićević 0037 (Podgorica, with *Pleurochaete squarrosa*).

***Leptogium lichenoides*** (L.) Zahlbr.
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 231, conf. P.M. Jørgensen (GZU). – Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragićević 0005, 0056 (Podgorica, with *Homalothecium lutescens* and *Schistidium apocarpum*). Međurječje, Pernica (confluence of Mrtvica and Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragićević 0076 (Podgorica, with *Homalothecium sericeum*). Morača river canyon, Smokovac, right side of Morača (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragićević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus*). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, loose above stones, 26.III.2008, leg. H. Mayrhofer 17949 & D. Stešević (GZU). – Kuči, Medun, 42°28'22''N/19°21'45''E, c. 500 m, rocky slopes, on mosses, 02.IV.2004, leg. H. Mayrhofer 17915, B. Nedović & B. Knežević (GZU). Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragićević 0045 (Podgorica, with *Pleurochaete squarrosa* and *Scorpiurium circinatum*). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18260, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17861, B. Nedović & B. Knežević (GZU).

****Leptogium magnussonii*** Degel. & P.M.Jørg.
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17844 & D. Stešević, det. A. Guttová (GZU).

***Leptogium massiliense*** Nyl.
Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17828, B. Knežević & D. Stešević (GZU).

***Leptogium saturninum*** (Dicks.) Nyl.
Gornja Morača, Bojići, c. 900 m, meadow along the road, on rock, 26.VI.2001, leg. S. Dragićević 0055 (Podgorica, with *Schistidium apocarpum*). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18261, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17860, B. Nedović & B. Knežević (GZU).

***Leptogium teretiusculum*** (Wallr.) Arnold
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17986, B. Knežević & S. Dragićević, det. A. Guttová (GZU, associated with *Leptogium brebissonii*). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17888, B. Nedović & B. Knežević (GZU).
This species was only known from two localities on the mountain Lovćen (SERVÍT 1931, as *L. t.* f. *circinans*).

***Letharia vulpina*** (L.) Hue
Prokletije mountain range: Mt. Visitor between the Visitor lake and the the mountain hut near Mramorje, Pinetum peucis, 42°37'30''N/19°53'05''E, 1800 m, on *Pinus peuce*, 08.VII.2008, phot. B. Surina. Mt. Bogićevica round the Hridsko jezero below the Krš Bogićevica peak, 42°34'20''N/20°02'09''E, c. 1900 m, on *Pinus peuce*, 11.VII.2008, phot. B. Surina.
MEĐEDOVIĆ (1972) discussed the distribution and ecology of this species in the mountains of north eastern Montenegro and neighbouring Kosovo. It always occurs there on *Pinus peuce*.

****Lethariella intricata*** (Moris) Krog
Komovi-Gebirge, on bark, 2006, leg. D. Milošević (GZU).
We have seen one other specimen from the Balkan mainland: Greece, Pindus National Park, Mt. Avgo, 39°55'30"N/21°05'44"E, leg. T. Spribille 16089 (GZU).

***Lobaria amplissima*** (Scop.) Forssell
Pass zw. Andrijevica und Babljak, Anstieg von der Passhöhe auf den Kučki Kom, nahe der Passhöhe, auf *Carpinus betulus*, 15.VII.1974, leg. H. Mayrhofer 603 (GZU); ibid., Anstieg von der Passhöhe zum Fuss des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 237, det. J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, auf *Fagus*, 15.VII.1974, leg. J. Poelt (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17855, B. Nedović & B. Knežević (GZU).

***Lobaria pulmonaria*** (L.) Hoffm.
40 km NNE of Nikšić, Žabljak, NW of Crno jezero, c. 1350 m, *Picea-Abies* forest, on *Picea abies*, 16.VI.1971, leg. P. Uotila 11171 (H). 40 km NNE of Nikšić, N of Bistrica, Tara Valley, Crna bora, 850–900 m, on trunks of *Fagus sylvatica*, 19.VI.1971, leg. O. Vitikainen 7229 (H). – Pass zw. Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 221 & J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, 15.VII.1974, leg. J. Poelt (GZU). – Gornja Morača, Žlijeb (up to the spring of Morača river), c. 1350 m, on rock, 29.VII.2005, leg. S. Dragićević 0071 (Podgorica). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18248, B. Nedović,

B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17852, B. Nedović & B. Knežević (GZU).

***Lobarina scrobiculata*** (Scop.) Nyl. ex Cromb.
Morača valley, c. 6 km S of Monastir Morača, 42°43’09’’N/19°22’17’’E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17617, 18244 & B. Nedović (GZU).

***Lobothallia radiosa*** (Hoffm.) Hafellner
40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, on stone, c. 1400 m, 16.VI.1971, leg. O. Vitikainen 7104; ibid., 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7222 (H). – Komovi-Gebirge, Pass zwischen Andrijevica und Babljak, Abhänge des Vasojevićki Kom, 1980 m, 18.VII.1974, leg. J. Hafellner 1192, det. J. Poelt (GZU). – Prokletije-Gebirge, Gebiet zwischen Čakor Pass (1849m) und Starac, Đevojački krš (=Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU). – Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28’40,7’’N/19°18’28,4’’E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17952 & D. Stešević (GZU). – Kuči, Medun, 42°28’22’’N/19°21’45’’E, c. 500 m, rocky slopes, on limestone, 02.IV.2004, leg. H. Mayrhofer 17919, B. Nedović & B. Knežević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06’54’’N/19°12’54’’E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17904, B. Nedović & B. Knežević (GZU).

****Megalospora pachycarpa*** (Delise ex Duby) H.Olivier
Morača valley, c. 6 km S of Monastir Morača, 42°43’09’’N/19°22’17’’E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17629 & B. Nedović (GZU).

***Megaspora verrucosa*** (Ach.) Hafellner & V.Wirth
Montes Durmitor (pars merid.) ad latera montis Zupci supra transitum Sedlo, 2000–2100 m, in rupibus calcareis & supra plantas destructas, 22.VIII.1984, leg. A. Vězda (GZU).

***Melanelixia fuliginosa*** (Duby) O.Blanco et al. subsp. ***fuliginosa***
Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17882, B. Nedović & B. Knežević (GZU).

***Melanelixia fuliginosa*** subsp. ***glabratula*** (Lamy) J.R.Laundon
40 km NNE of Nikšić, NW of Žabljak, *Picea-Abies* forest, on *Abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7046 (H).

***Melanelixia glabra*** (Schaer.) O.Blanco et al.
40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, on basal trunk of solitary *Fagus sylvatica*, c. 1400 m, 16.VI.1971, leg. O. Vitikainen 7114 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Fagus* forest, on trunks of *Fagus*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7164 (H); ibid., *Pinus mugo* zone, on trunk of isolated *Populus tremula*, leg. O. Vitikainen 7171 (H).

***Melanelixia subaurifera*** (Nyl.) O.Blanco et al.
Međurječje, Pernica (confluence of Mrtvica and Morača river), upstream from the mouth of Morača river, c. 180 m, on soil, 08.VII.1997, leg. S. Dragićević 0100 (Podgorica).

***Melanohalea exasperata*** (De Not.) O.Blanco et al.
Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18259, 18270, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on branches of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17881, B. Nedović & B. Knežević (GZU).

***Melanohalea exasperatula*** (Nyl.) O.Blanco et al.
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, on dead twigs of *Picea abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7002 (H).

****Melanohalea laciniatula*** (Flagey ex H.Olivier) O.Blanco et al.
40 km NNE of Nikšić, NW of Žabljak, Barno jezero, on trunks of *Picea abies* in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7124 (H).

***Micarea prasina*** Fr.
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on root-lignum, 03.IV.2004, leg. H. Mayrhofer 17894, B. Nedović & B. Knežević (GZU).

***Mycobilimbia sanguineoatra*** auct.
Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/ 19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17825, B. Knežević & D. Stešević (GZU, associated with *Vahliella saubinetii*).
This species was only known from Trnovačko jezero (KUŠAN 1933, as *Lecidea s.*).

***Nephroma laevigatum*** Ach.
Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17622 & B. Nedović (GZU). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on basal trunk of *Laurus*, 20.VI.1971, leg. O. Vitikainen 7274 (H). Lovćen Gebirge oberhalb von Kotor, 1290 m, an *Cydonia elongata*, 05.IV.1972, leg. K. Kalb 4546 (Kalb). Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on

bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18255, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17863, B. Nedović & B. Knežević (GZU).

***Nephroma resupinatum*** (L.) Ach.
Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone just above *Fagus* forest, on trunk of old *Salix*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7155 (H). – Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 213 (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, auf *Fagus*, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18253, B. Nedović, B. Knežević & M. Jakić (GZU).

***Normandina pulchella*** (Borrer) Nyl.
Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0077, 0079 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43’09’’N/ 19°22’17’’E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17624 & B. Nedović (GZU, associated with *Pannaria conoplea*). – Confluence of Morača river and Skadar lake, left side of Morača (opposite to Vranjina), c. 6 m, on lignum of fallen tree, 04.X.2005, leg. S. Dragićević 0040 (Podgorica). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381’N/18°49,261’E, c. 250 m, trees in an old garden, on bark of *Erica arborea*, 28.III.2008, leg. H. Mayrhofer 17970, B. Knežević & S. Dragićević (GZU); ibid., on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17985, B. Knežević & S. Dragićević (GZU, associated with *Fuscopannaria mediterranea*).

***Ochrolechia androgyna*** (Hoffm.) Arnold
Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17877, 17878, B. Nedović & B. Knežević (GZU).
The specimens have numerous apothecia. This species was only known from the Biogradska gora National Park (BILOVITZ et al. 2008).

***Ochrolechia pallescens*** (L.) A.Massal.
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 216 (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

***Opegrapha atra*** Pers.
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381’N/18°49,261’E, c. 250 m, trees in an old

garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17975, B. Knežević & S. Dragićević (GZU).

****Orphniospora moriopsis*** (A.Massal.) D.Hawksw.
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

****Orphniospora mosigii*** (Körb.) Hertel & Rambold
Prokletije-Gebirge, Gebiet südlich des Čakor Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU, associated with *Carbonea distans*).

***Pachyphiale carneola*** (Ach.) Arnold
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17891, B. Nedović & B. Knežević (GZU).
This species was only known from the environment of Herceg Novi (SERVÍT 1931, as *P. cornea*).

***Pannaria conoplea*** (Ach.) Bory
Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17624 & B. Nedović (GZU). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18263, B. Nedović, B. Knežević & M. Jakić (GZU).

***Parmelia saxatilis*** (L.) Ach.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, on trunk of old *Picea abies* in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7009 (H). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17857, B. Nedović & B. Knežević (GZU).

***Parmelia submontana*** Nádv. ex Hale
40 km NNE of Nikšić, NW of Žabljak, Barno jezero, on dead twigs and trunks of *Picea abies* in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7128 (H). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18256, B. Nedović, B. Knežević & M. Jakić (GZU).
This species was only known from the Biogradska Gora National Park (BILOVITZ et al. 2008).

***Parmelia sulcata*** Taylor
Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 19.VI.1971, leg. O. Vitikainen 7157 (H); ibid., on trunk of old *Salix*, leg. O. Vitikainen 7172 (H). – Melješтak creek (right tributary of Morača river), c. 220 m, approximately 200 m upstreamfrom the mouth of Morača river, on twig, 18.V.2005, leg. S. Dragićević 0085 (Podgorica). Morača river canyon, Morača

Monastery, left side of Morača (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0077 (Podgorica, with *Frullania dilatata*). – Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18257, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17856, B. Nedović & B. Knežević (GZU).

***Parmeliella triptophylla*** (Ach.) Müll.Arg.
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 241, det. J. Poelt. Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17880, B. Nedović & B. Knežević (GZU).

****Parmelina carporrhizans*** (Taylor) Poelt & Vězda
Kotor, Tivat, Lastva, olive plantation on hillside, on *Castanea sativa*, 20.VI.1971, leg. O. Vitikainen 7254 (H); ibid., on *Olea* 7277 (H).

***Parmelina pastillifera*** (Harm.) Hale
Žabljak, Mt. Durmitor, near Crno jezero, *Fagus* forest, 1600 m, on trunks of *Fagus*, 19.VI.1971, leg. O. Vitikainen 7165 (H). – Lovćen, Ivanova Korita, 42°22’55’’N/ 18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18267, B. Nedović, B. Knežević & M. Jakić (GZU).

***Parmelina quercina*** (Willd.) Hale
Confluence of Morača river and Skadar lake, right side of Morača river, c. 6 m, willow forest, on twig, 04.X.2005, leg. S. Dragićević 0052 (Podgorica). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17853, B. Nedović & B. Knežević (GZU).

***Parmelina tiliacea*** (Hoffm.) Hale
Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17854, B. Nedović & B. Knežević (GZU).

***Parmeliopsis ambigua*** (Wulfen) Nyl.
40 km NNE of Nikšić, Žabljak, village, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7010 (H). – Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1850 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt (GZU).

***Parmeliopsis hyperopta*** (Ach.) Arnold
40 km NNE of Nikšić, Žabljak, village, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7058 (H). – Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1850 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt (GZU).

***Parmotrema perlatum*** (Huds.) M.Choisy
Gornja Morača, Dragovića polje (left side of Morača river), close to military bridge, c. 700 m, on old tree lignum, 29.VII.2005, leg. S. Dragićević 0067, 0068 (Podgorica). Morača river canyon, Morača Monastery, right and left side of Morača river (small road to the bridge and around the bridge), c. 290 m, on fallen tree and on twig, 18.V.2005, leg. S. Dragićević 0031, 0077, 0078, 0079 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17620 & B. Nedović (GZU). Međurječje, Pernica (confluence of Mrtvica and Morača river), upstream from the confluence, c. 180 m, on soil, 08.VII.1997, leg. S. Dragićević 0100 (Podgorica). Melještak creek (right tributary of Morača river), approximately 200 m upstream from the confluence, c. 220 m, on fallen tree, 18.V.2005, leg. S. Dragićević 0042, 0043, 0086 (Podgorica). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7287 (H). Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Arbutus unedo*, 28.III.2008, leg. H. Mayrhofer 17968, B. Knežević & S. Dragićević (GZU); ibid., on bark of *Erica arborea*, 28.III.2008, leg. H. Mayrhofer 17971, B. Knežević & S. Dragićević (GZU); ibid., on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17982, B. Knežević & S. Dragićević (GZU).

***Peltigera collina*** (Ach.) Schrad.
Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18254, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/ 19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17862, B. Nedović & B. Knežević (GZU).

***Peltigera degenii*** Gyeln.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, in rock crevices and terraces by trail in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7076, 7096 (H). NW of Žabljak, Barno jezero, on ground in *Picea-Abies* forest, leg. O. Vitikainen 7122 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1500 m, *Picea-Abies* forest, on stone, 19.VI.1971, leg. O. Vitikainen 7142 (H).

***Peltigera horizontalis*** (Huds.) Baumg.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, in rock crevices and terraces by trail in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7077, 7078 (H), 7097 (H, GZU).

***Peltigera leucophlebia*** (Nyl.) Gyeln.
40 km NNE of Nikšic, Žabljak, W shore of Crno jezero, c. 1350 m, in rock crevices and terraces by trail in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7083 (H), 7093 (GZU, H). – Gornja Morača, Vragodo (spring of Morača river), c. 1600 m, humus on rock close to water, 11.X.2001, leg. S. Dragićević 0103 (Podgorica, with *Polytrichum commune* and *Ctenidium molluscum* (Hedw.) Mitt.).

****Peltigera membranacea*** (Ach.) Nyl.
Kuči, Medun, 42°28’22’’N/19°21’45’’E, c. 500 m, rocky slopes, on soil, 02.IV.2004, leg. H. Mayrhofer 17917, B. Nedović & B. Knežević (GZU).

***Peltigera monticola*** Vitik.
Žabljak, Mt. Durmitor, near Crno jezero, 1800 m, *Pinus mugo* zone, limestone cliff, 19.VI.1971, leg. O. Vitikainen 7184, 7196 (H).

***Peltigera praetextata*** (Flörke ex Sommerf.) Zopf
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7025, 7071, 7072 (H); ibid., in rock crevices and terraces by trail in *Picea-Abies* forest, leg. O. Vitikainen 7084, 7091b, 7095 (H). – Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragićević 0005, 0029 (Podgorica). Donja Morača, Osreci, c. 700 m, termophilic forest, humus on rock, 25.VI.2005, leg. S. Dragićević 0038 (Podgorica, with *Hypnum cupressiforme* and *Thuidium delicatulum* (Hedw.) Schimp.). Morača river canyon, Milunovići village (right side of Morača river), c. 120 m, on soil, 14.VIII.1997, leg. S. Dragićević 0014 (Podgorica, with *Pleurochaete squarrosa*, *Hypnum cupressiforme* and *Scorpiurium circinatum*). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17858, B. Nedović & B. Knežević (GZU).

***Peltigera rufescens*** (Weiss) Humb.
Žabljak, Mt. Durmitor, near Crno jezero, 1500–1600 m, 19.VI.1971, leg. O. Vitikainen 7183 (H).

***Pertusaria albescens*** (Huds.) M.Choisy & Werner var. ***albescens***
Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18265, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/ 19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17869, B. Nedović & B. Knežević (GZU).
This taxon was only known from Bjelasica (BILOVITZ et al. 2008).

***Pertusaria albescens*** var. ***corallina*** auct.
Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17874, B. Nedović & B. Knežević (GZU).

***Pertusaria amara*** (Ach.) Nyl.
Morača valley, c. 6 km S of Monastir Morača, 42°43’09’’N/19°22’17’’E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17627 & B. Nedović (GZU). – Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18264, B. Nedović, B. Knežević & M. Jakić (GZU).

***Pertusaria coccodes*** (Ach.) Nyl.
Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen Gebirge, oberhalb von Kotor, 1450 m, an *Fagus*, 05.IV.1972, K. Kalb 4545 (Kalb). Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18266, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17872, B. Nedović & B. Knežević (GZU).

***Pertusaria flavida*** (DC.) J.R.Laundon
Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18268, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/ 19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17871, B. Nedović & B. Knežević (GZU).

***Pertusaria leioplaca*** DC.
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 239, det. J. Poelt (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU, associated with *Lecidella achristotera*).

***Pertusaria pertusa*** (Weigel) Tuck.
Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen Gebirge, oberhalb von Kotor, 1450 m, an *Fagus*, 05.IV.1972, leg. K. Kalb 4543 (Kalb). Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18276, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17885, B. Nedović & B. Knežević (GZU).

****Phaeophyscia chloantha*** (Ach.) Moberg
Morača river canyon, north of Milunovići village (right side of Morača river), c. 120 m, on bark of *Quercus* sp., 14.VIII.1997, leg. S. Dragićević 0080 (Podgorica, with *Ulota crispa*). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17828, B. Knežević & D. Stešević (GZU, associated with *Leptogium massiliense*). Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17884, B. Nedović & B. Knežević (GZU, associated with *Amandinea punctata*).

***Phaeophyscia orbicularis*** (Neck.) Moberg
Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0079 (Podgorica). – Track from Medun to Podgorica, 42°27'28''N/19°19'22''E, c. 200 m, roadside trees near farmhouses, on bark of *Ficus*, 02.IV.2004, leg. H. Mayrhofer 17923, B. Nedović & B. Knežević (GZU). Podgorica, hostel Blue Castle, 42°26'44''N/19°15'11''E, c. 60 m, roadside trees in front of the hostel, on bark of *Acer*, 01.IV.2004, leg. H. Mayrhofer 17909 (GZU); ibid., on bark of *Melia*?, 01.IV.2004, leg. H. Mayrhofer 17913 (GZU). Confluence of Morača river and Skadar lake, right and left side of Morača river (opposite to Vranjina), c. 6 m, willow forest and out of it, on fallen tree lignum and on twigs, 04.X.2005, leg. S. Dragićević 0030, 0040, 0041, 0052 (Podgorica). – Lovćen Gebirge, oberhalb von Kotor, 1250 m, an *Populus*, 05.IV.1972, leg. K. Kalb 4571 (Kalb). – Rumija, Gornja Briska above Livari, 42°06'57''N/19°13'07''E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17897, B. Nedović & B. Knežević (GZU).

****Phaeophyscia poeltii*** (Frey) Nimis
Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald mit +/- *Picea abies* beigemischt, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt, det. R. Moberg (GZU).

***Phlyctis argena*** (Spreng.) Flot.
Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17626 & B. Nedović (GZU). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18271, B. Nedović, B. Knežević & M. Jakić (GZU). Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17983, B. Knežević & S. Dragićević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17870, B. Nedović & B. Knežević (GZU).
This common species was only known from Bjelasica (BILOVITZ et al. 2008).

***Physcia adscendens*** (Fr.) H.Olivier
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7003 (H). – Gornja Morača, Dragovića polje (left side of Morača river), close to military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragićević 0068 (Podgorica). Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0079 (Podgorica). Međurječje, Pernica (confluence of Mrtvica and Morača river), c. 180 m, on soil, 08. VII.1997, leg. S. Dragićević 0102 (Podgorica). Melještak creek (right tributary of Morača river), approximately 200 m upstream from the confluence, c. 220 m, on twig, 18.V.2005, leg. S. Dragićević 0085 (Podgorica). – Confluence of Morača river and Skadar lake, left side of Morača river, c. 6 m, willow forest, humus on rock, on twig, 04.X.2005, leg. S. Dragićević 0053, 0054 (Podgorica). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on rocks, sparse, 20.VI.1971, leg. O. Vitikainen 7251 (H). – Boljevići W of Virpazar, along the

road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, 10.V.2007, leg. H. Mayrhofer 17831 & D. Stešević (GZU, associated with *Xanthoria parietina*).

***Physcia aipolia*** (Humb.) Fürnr.
40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, c. 1400 m, on basal trunk of solitary *Fagus sylvatica*, 16.VI.1971, leg. O. Vitikainen 7116 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 17.VI.1971, leg. O. Vitikainen 7178, 7179a (H); ibid., *Fagus* forest, on trunks of *Fagus*, 17.VI.1971, leg. O. Vitikainen 7163 (H).

***Physcia biziana*** (A.Massal.) Zahlbr.
Ras NW of Smokovac NE of Podgorica, above Morača gorge, 42°28'40,7''N/ 19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on bark of *Quercus troyana*, 26.III.2008, leg. H. Mayrhofer 17948 & D. Stešević (GZU). – Podgorica, hostel Blue Castle, 42°26'44''N/19°15'11''E, c. 60 m, roadside trees in front of the hostel, on bark of *Acer*, 01.IV.2004, leg. H. Mayrhofer 17908 (GZU); ibid., on bark of *Melia*?, 01.IV.2004, leg. H. Mayrhofer 17912 (GZU). – Jaz W of Budva, 42°17'N/18°48'07''E, plantations of *Populus* behind a sandy beach, on bark of *Populus*, 04.IV.2004, leg. H. Mayrhofer 18246, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Gornja Briska above Livari, 42°06'57''N/19°13'07''E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17896, B. Nedović & B. Knežević (GZU).
This species was only known from Durmitor National Park (ŽUKOVEC 2005).

***Physcia caesia*** (Hoffm.) Fürnr.
40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7217, rev. R. Moberg (H).

***Physcia clementei*** (Turner) Maas Geest.
Kotor, Tivat, Lastva, olive plantation, on *Laurus nobilis*, 20.VI.1971, leg. O. Vitikainen 7270; ibid., on *Olea europaea*, leg. O. Vitikainen 7283, rev. R. Moberg (H).

***Physcia leptalea*** (Ach.) DC.
Rumija, Gornja Briska above Livari, 42°06'57''N/19°13'07''E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17899, B. Nedović & B. Knežević (GZU).

***Physcia stellaris*** (L.) Nyl.
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 6996 (H). – Kotor, Tivat, Lastva, village, olive plantation, on *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7286 (H). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18272, B. Nedović, B. Knežević & M. Jakić (GZU).

***Physconia distorta*** (With.) J.R.Laundon
Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, c. 1600 m, on trunk of an isolated *Populus tremula*, 19.VI.1971, leg. O. Vitikainen 7176 (H). – Pass zw. Andrijevica und Bablijak, Anstieg von der Passhöhe zum Kučki Kom, 1650 m, 15.VII.1974, leg. J. Hafellner 226, conf./vidi T.L. Esslinger (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, 1650 m, Buchenwald, 15.VII.1974, leg. H. Mayrhofer, conf./vidi T.L. Esslinger (GZU).

****Physconia perisidiosa*** (Erichsen) Moberg
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17883, B. Nedović & B. Knežević (GZU).

***Physconia venusta*** (Ach.) Poelt
Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 226, conf./vidi T.L. Esslinger (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt, rev. T.L. Esslinger (GZU); ibid., 15.VII.1974, leg. H. Mayrhofer, conf./vidi T.L. Esslinger (GZU). – Lovćen Gebirge, oberhalb von Kotor, 1450 m, an *Fagus*, 05.IV.1972, leg. K. Kalb 4540, 4541 (Kalb). Lovćen, Ivanova Korita, 42°22'55''N/ 18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica,* 04.IV.2004, leg. H. Mayrhofer 18252, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17865, B. Nedović & B. Knežević (GZU).

***Placolecis opaca*** (Fr.) Hafellner
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17939 & D. Stešević (GZU). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17950 & D. Stešević (GZU).

***Placynthium nigrum*** (Huds.) Gray
Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/ 19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17954 & D. Stešević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17902, B. Nedović & B. Knežević (GZU, associated with *Caloplaca flavescens*).

***Platismatia glauca*** (L.) W.L.Culb. & C.F.Culb.
40 km NNE of Nikšić, NW of Žabljak, c. 1350 m, on dead twig of *Picea abies* in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7127, det. T. Randlane (H).

****Polysporina urceolata*** (Anzi) Brodo
Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).

***Porpidia crustulata*** (Ach.) Hertel & Knoph
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17994, B. Knežević & S. Dragićević (GZU, associated with *Protoparmeliopsis muralis*). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17840 & D. Stešević (GZU).
This species was only known from siliceous rocks in the mountains of north western Montenegro (KUŠAN 1933, as *Lecidea c*.).

***Protoblastenia calva*** (Dicks.) Zahlbr.
Pass zwischen Andrijevica und Babljak, am Fuß des Vasojevićki Kom, ca. 1800 m, 15.VII.1974, leg. J. Hafellner 222, det. J. Poelt (GZU). Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU).

***Protoblastenia incrustans*** (DC.) J.Steiner
Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt, det. M. Steiner (GZU).
This species was only known from limestone in the environment of Herceg Novi and from Lovćen (SERVÍT 1931).

***Protoblastenia rupestris*** (Scop.) J.Steiner
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17990, B. Knežević & S. Dragićević (GZU, associated with *Clauzadea monticola*).

***Protoparmeliopsis muralis*** (Schreb.) M.Choisy
40 km NNE of Nikšić, 7 km SSE of Žabljak, Rible jezero, c. 1350 m, grazed grassland hill, on stones, 18.VI.1971, leg. O. Vitikainen 7207 (H). – Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17943 & D. Stešević (GZU). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17994, B. Knežević & S. Dragićević (GZU). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17841 & D. Stešević (GZU).

***Pseudevernia furfuracea*** (L.) Zopf var. ***furfuracea***
40 km NNE of Nikšić, Žabljak, NW of Crno jezero, *Picea-Abies* forest, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7016 (H). 40 km NE of Nikšić, N of Bistrica, Tara valley, Crna Bora, 850–900 m, on dead branches of *Pinus nigra*, 19.VI.1971, leg. O. Vitikainen 7230 (H). – Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1850 m, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen, Ivanova Korita, 42°22'55''N/ 18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18251, B. Nedović, B. Knežević & M. Jakić (GZU).

***Pseudosagedia aenea*** (Wallr.) Hafellner & Kalb
Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17973, B. Knežević & S. Dragićević (GZU).
This species was only known on *Carpinus* from the environment of Herceg Novi (ZAHLBRUCKNER 1903, as *Porina chlorotica* f. *carpinea*).

***Psora decipiens*** (Hedw.) Hoffm.
Bioče, Vežišta, upstream from Piletići houses (right side of Morača river), c. 90 m, rock close to water, 18.V.1997, leg. S. Dragićević 0090 (Podgorica). Morača river canyon, opposite to Duga Monastery (right side of Morača river), c. 110 m, humus on rock, 14.VIII.1997, leg. S. Dragićević 0048, 0095 (Podgorica, with *Tortella inclinata*).

****Psorinia conglomerata*** (Ach.) Gotth.Schneid.
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

***Punctelia subrudecta*** (Nyl.) Krog
Kotor, Tivat, Lastva, village, olive plantation on hillside, on *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7280, rev. M. Adler (H).

***Ramalina farinacea*** (L.) Ach.
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7004 (H). NW of Crno jezero, *Picea-Abies* forest, on *Abies*, leg. O. Vitikainen 7051 (H). 40 km NE of Nikšić, N of Bistrica, Tara Valley, Crna bora, 850–900 m, Fagetum, on trunk of *Fagus sylvatica*, 19.VI.1971, leg. O. Vitikainen 7227 (H). – Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragićević 0077, 0079 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09''N/19°22'17''E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17618 & B. Nedović (GZU). Međurječje, upstream from Pernica (confluence of Mrtvica and Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragićević 0073 (Podgorica). Melještak creek (right side of Morača river), approximately 200 m upstream from the confluence, c. 220 m, on twig, 18.V.2005, leg. S. Dragićević 0043 (Podgorica). – Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18250, B. Nedović, B. Knežević & M. Jakić (GZU). –

Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17879, B. Nedović & B. Knežević (GZU).

***Ramalina fastigiata*** (Pers.) Ach.
Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragićević 0005 (Podgorica).

***Ramalina fraxinea*** (L.) Ach.
40 km NNE of Nikšić, Žabljak, NW of Crno jezero, grazed grassland hill, c. 1400 m, on basal trunk of solitary *Fagus sylvatica*, 16.VI.1971, leg. O. Vitikainen 7115 (H). – Lovćen, Ivanova Korita, 42°22’55’’N/18°49’51’’E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18269, B. Nedović, B. Knežević & M. Jakić (GZU).

***Ramalina pollinaria*** (Westr.) Ach.
Confluence of Morača river and Skadar lake, right side of Morača river, c. 6 m, willow forest, on rock, 04.X.2005, leg. S. Dragićević 0051 (Podgorica, with *Pleurochaete squarrosa*).

***Rhizocarpon geminatum*** Körb.
SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150– 1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU).
This species was only known from siliceous rocks in Bjelasica (BILOVITZ et al. 2008).

***Rhizocarpon polycarpum*** (Hepp) Th.Fr.
Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevićki Kom, Alm am Nordfuß des Vasojevićki Kom, ca. 1760–1810 m, 15.VII.1974, leg. J. Poelt (GZU).

***Rinodina sophodes*** (Ach.) A.Massal.
Kuči, Medun, 42°27’49’’N/19°20’34’’E, c. 450 m, rocky slopes, pasture with low shrubs, on branches of *Carpinus orientalis*, 02.IV.2004, leg. H. Mayrhofer 17922, B. Nedović & B. Knežević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06’59’’N/19°13’16’’E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17893, B. Nedović & B. Knežević (GZU).
This species was only known from the Bjelasica (BILOVITZ et al. 2008).

***Rinodinella controversa*** (A.Massal.) H.Mayrhofer & Poelt
Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28’40,7’’N/ 19°18’28,4’’E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17953 & D. Stešević (GZU).
This species was only known from Medun (ZAHLBRUCKNER 1888, as *Rinodina c*.; MAYRHOFER & POELT 1978).

***Rinodinella dubyanoides*** (Hepp) H.Mayrhofer & Poelt
Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/ 19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17907, B. Nedović & B. Knežević (GZU, associated with *Clauzadea metzleri*).
This species was only known from the environment of Herceg Novi (SERVÍT 1931, as *Rinodina d.*). The record in MAYRHOFER & POELT (1978) refers to a locality in Croatia.

***Sarcogyne privigna*** (Ach.) A.Massal.
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17928 & D. Stešević (GZU).

***Schismatomma pericleum*** (Ach.) Branth & Rostr.
Montes Durmitor, in silva virginea in pede montis Međed loco Brojišta dicto, supra lacum Crno jezero, 1700–1800 m, ad corticem Abietis, 20.VIII.1984, leg. A. Vězda, conf./vidi A. Tehler (GZU).

***Solenopsora candicans*** (Dicks.) J.Steiner
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17940 & D. Stešević (GZU). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17953 & D. Stešević (GZU, associated with *Rinodinella controversa*). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17989, B. Knežević & S. Dragićević (GZU).
This species was only known from limestone in the environment of Herceg Novi (SERVÍT 1931).

***Solenopsora olivacea*** (Fr.) H.Kilias subsp. ***olivacea***
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 18201, B. Knežević & S. Dragićević (GZU).

***Solorina saccata*** (L.) Ach.
40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7026 (H).

****Sporastatia polyspora*** (Nyl.) Grummann
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

***Sporastatia testudinea*** (Ach.) A.Massal.
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from hornfels in Bjelasica (BILOVITZ et al. 2008).

### ***Squamarina cartilaginea*** (With.) P.James

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7214 (H). – Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragićević 0059 (Podgorica, with *Ditrichum flexicaule* and *Ctenidium molluscum*). Morača river canyon, Milunovići village (right side of Morača river), c. 120 m, on rock, 14.VIII.1997, leg. S. Dragićević 0013 (Podgorica, with *Pterigynandrum filiforme* Hedw.). Morača river canyon, opposite to Duga Monastery (right side of Morača river), c. 110 m, humus on rock, 14.VIII.1997, leg. S. Dragićević 0047, 0050, 0092 (Podgorica, with *Tortella tortuosa* (Hedw.) Limpr.). Bioče, Mala rijeka (left side), approximately 500 m upstream from the confluence, c. 100m, on soil, 26.X.2005, leg. S. Dragićević 0008 (Podgorica). Bioče, confluence of Mala rijeka and Morača river (right side of Morača river), c. 100 m, on soil, 26.X.2005, leg. S. Dragićević 0022 (Podgorica, with *Tortella inclinata*). Bioče, right side of Morača river, Vežišta (upstream Piletići houses), c. 90 m, rock close to water, 18.V.1997, leg. S. Dragićević 0088, 0089, 0094 (Podgorica). Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on soil, 26.III.2008, leg. H. Mayrhofer 17925 & D. Stešević (GZU). – Podgorica, Zlatica (left side of Morača river), close to the riverside, c. 45 m, on soil and rock, 25.IV.1997, leg. S. Dragićević 0017, 0020 (Podgorica, with *Didymodon* sp.). Podgorica, Skaline (confluence of Ribnica and Morača river), c. 45 m, on rock, 15.II.2002, leg. S. Dragićević 0096 (Podgorica, with *Syntrichia ruralis* (Hedw.) F.Weber & D.Mohr and *Schistidium apocarpum*). E of Podgorica, Ćemovsko polje along the Cijevna-gorge, approx. 1–1.5 km W of the village Gornji Milješ, on north inclined conglomerate on the left side of the Cijevna, 11.V.2008, leg. M. Magnes & D. Stešević (GZU). Confluence of Morača river and Skadar lake, right side of Morača river, c. 6 m, humus on rock, 04.X.2005, leg. S. Dragićević 0032 (Podgorica, with *Bryum* sp.). – Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/ 18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17991, B. Knežević & S. Dragićević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54''N/ 19°12'54''E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17901, B. Nedović & B. Knežević (GZU).

### ***Squamarina gypsacea*** (Sm.) Poelt

Žabljak, Mt. Durmitor, near Crno jezero, 1700 m, *Pinus mugo* zone, rock outcrop and boulders, 19.VI.1971, leg. O. Vitikainen 7144 (H). – Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe auf den Kučki Kom, 1850 m, 15.VII.1974, leg. H. Mayrhofer 898 (GZU); ibid., im N am Fuß des Vasojevićki Kom, ca. 1700 m, 15.VII.1974, leg. J. Hafellner 218 (Hafellner). Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU). – Grenzgebiet zwischen Crna Gora und Kosovo, Anstieg vom Čakor-Pass zum Starac, ca. 1900 m, 14.VII.1974, leg. J. Hafellner 217, det. J. Poelt (GZU).

### ***Strigula affinis*** (A.Massal.) R.C.Harris

Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on root-lignum, 03.IV.2004, leg. H. Mayrhofer 17895, B. Nedović & B. Knežević (GZU).

This species was only known from *Ulmus* in the environment of Herceg Novi (KÖRBER 1867, as *Sagedia a*.).

****Toninia physaroides*** (Opiz) Timdal
Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragićević 0061 (Podgorica, with *Tortella tortuosa*, *Bryum* sp. and *Ditrichum flexicaule*). Morača river canyon, Smokovac, right side of Morača river (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragićević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus*).

***Toninia rosulata*** (Anzi) H.Olivier
Montes Durmitor (pars merid.), ad latera montis Zupci supra transitum Sedlo, 2000–2100 m, in rupibus calcareis & supra plantas destructas, 22.VIII.1984, leg. A. Vězda, conf./vidi E. Timdal (GZU).
TIMDAL (1991) did not provide any details about the locality.

***Toninia sedifolia*** (Scop.) Timdal
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on soil, 26.III.2008, leg. H. Mayrhofer 17926 & D. Stešević (GZU). Morača river canyon, Smokovac, right side of Morača river (meadow above canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragićević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus*). – Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragićević 0046 (Podgorica, with *Scorpiurium circinatum*).

****Trapelia placodioides*** Coppins & P.James
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17843 & D. Stešević (GZU).

****Trapeliopsis flexuosa*** (Fr.) Coppins & P.James
Rumija, Livari, near crossing to Gornja Briska, 42°06'59''N/19°13'16''E, c. 490 m, plantations with old *Castanea sativa*, on lignum of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17868, B. Nedović & B. Knežević (GZU).

***Tuckermanopsis chlorophylla*** (Willd.) Hale
40 km NNE of Nikšić, NW of Žabljak, Barno jezero, c. 1350 m, on dead twig of *Picea abies* in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7123 (H).

***Umbilicaria cylindrica*** (L.) Delise ex Duby
Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).
This species was only known from hornfels in Bjelasica (BILOVITZ et al. 2008).

***Vahliella saubinetii*** (Mont.) P.M.Jørg.
Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/ 19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on bark and mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17825, B. Knežević & D. Stešević (GZU).
This species was only known from the environment of Herceg Novi (SERVÍT 1931, as *Parmeliella s*.).

***Verrucaria caerulea*** DC.
Pass zwischen Andrijevica und Babljak, am Fuß des Vasojevićki Kom, ca. 1800 m, 18.VII.1974, leg. J. Hafellner 1196, det. J. Poelt (GZU).

****Verrucaria compacta*** (A.Massal.) Jatta
Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7''N/ 19°18'28,4''E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17957 & D. Stešević, det. O. Breuss (GZU).

***Verrucaria dufourii*** DC. var. ***lovcenensis*** (Servít) J.Nowak & Tobol.
Lovćen, inter Cetinje & Kotor, 1400 m, ad saxa calcarea umbrosa, 14.VII.1966, leg. A. Vězda (GZU).

***Verrucaria*** cf. ***muralis*** Ach.
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17842 & D. Stešević (GZU).

****Verrucaria triglavensis*** Servít
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17945 & D. Stešević, det. O. Breuss (GZU).

***Vulpicida pinastri*** (Scop.) J.-E.Mattsson & M.J.Lai
Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, ca. 1840–1860 m, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt, conf./vidi J.-E.Mattsson (GZU).

***Xanthoparmelia conspersa*** (Ach.) Hale
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17992, B. Knežević & S. Dragićević (GZU). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17833, 17835 & D. Stešević (GZU).

***Xanthoparmelia delisei*** (Duby) O.Blanco et al.
Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17836, 17848 & D. Stešević (GZU).

****Xanthoparmelia pulla*** (Ach.) O.Blanco et al. var. ***pulla***
Hill Spas NW of Budva, E-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17993, B. Knežević & S. Dragićević (GZU).

****Xanthoparmelia stenophylla*** (Ach.) Ahti & D.Hawksw.
Kotor, Tivat, Lastva, village, olive plantation on hillside, on rocks, 20.VI.1971, leg. O. Vitikainen 7252 (H).

***Xanthoria contortuplicata*** (Ach.) Boistel
Prokletije-Gebirge, zwischen Čakor-Pass (1849 m) und Starac (2426 m), Silikat und Kalk, 14.VII.1974, leg. J. Poelt (GZU); ibid., ostseitige Kalksteilhänge südöstlich der Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

***Xanthoria elegans*** (Link) Th.Fr.
40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone in stone fence, c. 1350 m, 18.VI.1971, leg. O. Vitikainen 7211 (H). – Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU, associated with *Caloplaca arnoldii*).

***Xanthoria parietina*** (L.) Th.Fr.
40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 6997 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, c. 1600 m, on isolated *Populus tremula*, 19.VI.1971, leg. O. Vitikainen 7177 (H). – Gornja Morača, Ljevišta, c. 1000 m, on rock, 29.VI.2005, leg. S. Dragićević 0057 (Podgorica). – Confluence of Morača river and Skadar lake, right and left side of Morača (opposite to Vranjina), c. 6 m, willow forest, lignum of fallen tree, on humus on rock and on twig, 04.X.2005, leg. S. Dragićević 0040, 0041, 0052, 0053, 0054 (Podgorica). – Jaz W of Budva, 42°17'N/18°48'07''E, plantations of *Populus* behind a sandy beach, on bark of *Populus*, 04.IV.2004, leg. H. Mayrhofer 18245, B. Nedović, B. Knežević & M. Jakić (GZU). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, 10.V.2007, leg. H. Mayrhofer 17831 & D. Stešević (GZU).

***Xanthoria polycarpa*** (Hoffm.) Rieber
40 km NNE of Nikšić, Žabljak, on the road to Crno jezero, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7000 (H).

***Xanthoria sorediata*** (Vain.) Poelt
40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, c. 1350 m, 18.VI.1971, leg. O. Vitikainen 7218, 7376 (H). – Prokletije-Gebirge, Đevojački krš (= Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).
This species was only recorded in a distribution map by POELT & PETUTSCHNIG (1992), but without any information about the locality.

***Xylographa parallela*** (Ach.: Fr.) Fr.
Komovi-Gebirge, Nordhänge des Vasojevićki Kom, ca. 1810–2050 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, ca. 1840–1860 m, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt (GZU).
This species was only known from Bjelasica (BILOVITZ et al. 2008).

## Lichenicolous fungi

****Cercidospora caudata*** agg.
Smokovac NE of Podgorica, Morača gorge, 42°29'01,8''N/19°18'47,3''E, c. 80 m, N-exposed steep slopes below the railway, on *Caloplaca* spec., 26.III.2008, leg. H. Mayrhofer 17942 & D. Stešević, det. J. Hafellner (GZU).

***Plectocarpon lichenum*** (Sommerf.) D.Hawksw.
Lovćen, Ivanova Korita, 42°22'55''N/18°49'51''E, c. 1250 m, beech forest, on *Lobaria pulmonaria*, 04.IV.2004, leg. H. Mayrhofer 18249, B. Nedović, B. Knežević & M. Jakić (GZU).

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## References

ANONYMUS 1975. Plantae Graecenses. Jahrgang 1. – Graz: Institut für Systematische Botanik der Universität Graz.

BILOVITZ P.O., KNEŽEVIĆ B., STEŠEVIĆ D. & MAYRHOFER H. 2008. Lichenized and lichenicolous fungi from Bjelasica (Montenegro) with special emphasis on the Biogradska gora National Park. – Bibliotheca Lichenologica 99: 69–81.

CLAUZADE G. & ROUX C. 1985. Likenoj de okcidenta Eŭropo. Ilustrita determinlibro. – Bulletin de la Société Botanique du Central-Ouest Nouvelle Série – Numero Spécial 7: 1–893.

GIRALT M., NIMIS P.L. & POELT J. 1992. Studien über den Formenkreis von *Caloplaca flavorubescens* in Europa. – Cryptogamie, Bryologie et Lichénologie 13: 261–273.

HAFELLNER J., HERZOG G. & MAYRHOFER H. 2008. Zur Diversität von lichenisierten und lichenicolen Pilzen in den Ennstaler Alpen (Österreich, Steiermark, Oberösterreich). – Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark 137: 131–204.

JØRGENSEN P.M. 1978. The lichen family Pannariaceae in Europe. – Opera Botanica 45: 1–123.

KÄRNEFELT I. 1986. The genera *Bryocaulon*, *Coelocaulon* and *Cornicularia* and formerly associated taxa. – Opera Botanica 86: 1–90.

KÖRBER G.W. 1867. Lichenen aus Istrien, Dalmatien u. Albanien. – Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien 17: 611–618.

KUŠAN F. 1932. Istraživanje flore i vegetacije lišajeva sjeverozapadnih cnogorskih planina. – Ljetopis Jugoslavenske Akademije Znanosti i Umjetnosti 44: 139–146.

KUŠAN F. 1933. Flora i vegetacija lišaja sjeverozapadnih crnogorskih planina. – Prirodoslovna Istraživanja Kraljevine Jugoslavije 18: 68–124.

MAYRHOFER H. & POELT J. 1978. *Rinodinella* – eine neue Gattung der Flechtenfamilie Physciaceae. – Hoppea, Denkschriften der Regensburgischen Botanischen Gesellschaft 37: 89–105.

MAYRHOFER H., DENCHEV C.M., STOYKOV D.Y. & NIKOLOVA S.O. 2005: Catalogue of the lichenized and lichenicolous fungi in Bulgaria. – Mycologia Balcanica 2: 3–61.

MEĐEDOVIĆ S. 1972. Nova nalazišta vrste *Letharia vulpina* (L.) Vain. u Jugoslaviji. – Glasnik Republičkog Zavoda za Zaštitu Prirode i Prirodnjačkog Muzeja u Titograd 4 [1971]: 77–81.

NIMIS P.L. & MARTELLOS S. 2003. A second checklist of the lichens of Italy with a thesaurus of synonyms. – Museo Regionale di Scienze Naturali Saint-Pierre – Valle d'Aosta Monografie 4: 1–192.

ORANGE A., JAMES P.W. & WHITE F.J. 2001. Microchemical methods for the identification of lichens. – British Lichen Society.

POELT J. 1969. Bestimmungsschlüssel europäischer Flechten. – Lehre: J. Cramer.

POELT J. & PETUTSCHNIG W. 1992. Beiträge zur Kenntnis der Flechtenflora des Himalaya IV Die Gattungen *Xanthoria* und *Teloschistes* zugleich Versuch einer Revision der *Xanthoria candelaria*-Gruppe. – Nova Hedwigia 54: 1–36.

POELT J. & VĚZDA A. 1977. Bestimmungsschlüssel europäischer Flechten. Ergänzungsheft I. – Bibliotheca Lichenologica 9: 1–258.

POELT J. & VĚZDA A. 1981. Bestimmungsschlüssel europäischer Flechten. Ergänzungsheft II. – Bibliotheca Lichenologica 16: 1–390.

SANTESSON R., MOBERG R., NORDIN A., TØNSBERG T. & VITIKAINEN O. 2004. Lichen-forming and lichenicolous fungi of Fennoscandia. – Uppsala: Museum of Evolution.

SAVIĆ S. 2001. Contribution to the lichen flora of Montenegro. – Razprave, Slovenska Akademija Znanosti in Umetnosti. IV. Razreda 42(2): 197–208.

SERVÍT M. 1931. Flechten aus Jugoslavien. 2. Süddalmatien und Lovćen. – Hedwigia 71: 215–282.

TIMDAL E. 1991. A monograph of the genus *Toninia* (Lecideacae, Ascomycetes). – Opera Botanica 110: 1–137.

VONDRÁK J., GUTTOVÁ A. & MAYRHOFER H. 2008. A further contribution to the knowledge of lichen-forming and lichenicolous fungi in Crete. – Herzogia 21: 105–124.

WHITE F.J. & JAMES P.W. 1985. A new guide to microchemical techniques for the identification of lichen substances. – Bulletin of the British Lichen Society 57 (Suppl.): 1–41.

WIRTH V. 1995. Flechtenflora: Bestimmung und ökologische Kennzeichnung der Flechten Südwestdeutschlands und angrenzender Gebiete. 2. Auflage. – Stuttgart: Ulmer.

ZAHLBRUCKNER A. 1888. Lichenes. – In: BECK, G. & SZYSZYŁOWICZ, I. (eds.). Plantae à Dre Ign. Szyszyłowicz in itinere per Cernagoram & in Albania adjacente anno 1886 lectae. – Cracoviae: Universitatis Jagellonicae.

ZAHLBRUCKNER A. 1903. Vorarbeiten zu einer Flechtenflora Dalmatiens II. – Österreichische Botanische Zeitschrift 53: 147–153, 177–185, 239–246, 285–289 and 332–336.

ZAHLBRUCKNER A. 1907. Vorarbeiten zu einer Flechtenflora Dalmatiens IV. – Österreichische Botanische Zeitschrift 57: 19–30, 65–73 and 389–400.

ZAHLBRUCKNER A. 1909. Vorarbeiten zu einer Flechtenflora Dalmatiens VI. – Österreichische Botanische Zeitschrift 59: 315–321, 349–354, 398–407, 439–444 and 488–503.

ZAHLBRUCKNER A. 1910. Vorarbeiten zu einer Flechtenflora Dalmatiens VI. – Österreichische Botanische Zeitschrift 60: 13–22 and 71–81.

ŽUKOVEC D. 2005. Lišajevi. – Bilten podmlatka i Biološke grupe Društva istraživača Vladimir Mandić Manda pp. 35–36.