

Selected exsiccates of *Caloplaca*, Fasc. 2 (Nos 26–50)

Jan VONDRÁK*

VONDRÁK J. 2010: Selected exsiccates of *Caloplaca*, Fasc. 2 (Nos 26–50).
- Fritschiana (Graz) 67: 1–10. - ISSN 1024-0306.

Abstract: Fascicle 2 of '*Selected exsiccates of Caloplaca*' comprises 25 collections of lichens from the following countries: Australia, Austria, Bulgaria, Croatia, Czech Republic, Greece, Hungary, Iran, Romania, Russia, Spain, Turkey, and Ukraine. Isotypes of *Caloplaca communis* and *Caloplaca concreticola* and topotype material of *Caloplaca albopustulata* and *Caloplaca borysthenica* are distributed. All samples were collected and identified by the author.

*Department of Botany, Faculty of Science,
University of South Bohemia, Branišovská 31,
370 05, České Budějovice, Czech Republic

Introduction

The exsiccate collection '*Selected exsiccates of Caloplaca*' is aimed at the distribution of species of the genus *Caloplaca* (Teloschistales, lichenized fungi) from all over the world. Although the modern molecular phylogenetic studies find the genus *Caloplaca* paraphyletic, the classic concept used in most recent checklists is followed here.

'*Selected exsiccates of Caloplaca*' is distributed on exchange basis to the following 15 herbaria and private collections (herbarium abbreviations follow <http://sciweb.nybg.org/science2/IndexHerbariorum.asp>): ASU, B, C, CANB, CBFS, F, GZU, H, HMAS, LE, M, MIN, TNS, UPS, herb. Lendemer. Contributions to this exsiccate are welcome.

Abbreviations of authors of plant names are taken from http://asaweb.huh.harvard.edu:8080/databases/botanist_index.html. Names of countries and states (or provinces or principal subdivisions) are based upon a list from <http://www.ars-grin.gov/cgi-bin/npgs/html/geolist.pl>.

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

26. *Caloplaca albopruinosa* (Arnold) H.Olivier (1909)

Bas.: *Pyrenodesmia agardhiana* var. *albopruinosa* Arnold (1860)

ROMANIA, Dobruja: Tulcea, Enisala, limestone outcrops 250 m SE of Enisala castle ruin, alt. c. 70 m, 44°52'56.03"N, 28°50'12.41"E.

On limestone outcrops.

Note: Based on ITS sequence data, endolithic members of the *Caloplaca variabilis* group are very similar in morphology and therefore taxonomically difficult to separate. This specimen may be different from *C. albopruinosa* s.str.

3.IV.2008

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

27. *Caloplaca albopustulata* Khodos. & S.Y.Kondr. (2002)

in KHODOSOVTSSEV & al. (2002), Graphis Scripta 13(1): 6
- topotype -

UKRAINE, Crimean Peninsula: Alushta, S slope of Demerji Yayla above Luchistoye, alt. c. 600 m, 44°44'42.56"N, 34°24'27.91"E.

On calcareous conglomerates.

28.V.2007

leg. & det. Alexander Khodosovtsev & Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

28. *Caloplaca ammiospila* (Ach.) H.Olivier (1909)

Bas.: *Lecidea cinereofusca* var. *ammiospila* Ach. (1808)

Syn.: *Caloplaca cinnamomea* (Th.Fr.) H.Olivier (1909)

ROMANIA, Retezat Mts: Lupeni, Câmpu lui Neag, Retezatul Mic Mts, limestone outcrops around Mt Piule, alt. 1900–2080 m.

On plant debris.

25.VI.2005

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

29. *Caloplaca borysthenica* Khodos. & S.Y.Kondr. (2006)

in KONDRATYUK & al. (2006), *Mycologia Balcanica* 3(2–3): 96

- topotype -

UKRAINE, Kherson region: Belozerkha, close to Shirokaya Balka village, loess gorge to maritime lake Dneprovskyi liman, alt. 10–20 m, 46°34'35"N, 32°11'4"E.

On sun-exposed loess slopes with restricted plant cover.

12.X.2009

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

30. *Caloplaca carphinea* (Fr.) Jatta (1900)

Bas.: *Parmelia carphinea* Fr. (1831)

TURKEY, Sea of Marmara coast: Armutlu, coastal rocks 2.5 km SE of Fıstıklı, 40°28'20.31"N, 28°54'23.93"E.

On quartzite outcrops.

13.IV.2007

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

31. *Caloplaca cerina* (Ehrh. ex Hedw.) Th.Fr. (1861)

Bas.: *Lichen cerinus* Ehrh. ex Hedw. (1789)

IRAN, East Azerbaijan: Hashtpar (Talesh), forest near the road from Asalem to Khalkhal, alt. 1150 m, 37°39'23.88"N, 48°49'10.61"E.

On bark of *Acer*.

Note: *Caloplaca cerina* is a heterogeneous species. This Iranian sample is surprisingly phylogenetically close to some Scandinavian populations (J. Šoun, unpublished data).

5.V.2007

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

32. *Caloplaca cerinelloides* (Erichsen) Poelt (1992)

Bas.: *Caloplaca pyracea* (Ach.) Th.Fr. var. *cerinelloides* Erichsen (1930)

AUSTRIA, Styria: Schladming, Aich, lake Bodensee, at a parking place,
c. 800 m down stream from the lake, 47°22'52.228"N, 13°49'34.209"E.

On lower eutrophicated spruce twigs.

7.IX.2009

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

33. *Caloplaca cinnabarina* (Ach.) Zahlbr. (1908)

Bas.: *Lecanora cinnabarina* Ach. (1810)

AUSTRALIA, Queensland: Mt Garnet, Undara Volcanic National Park, at
central camp, alt. 750 m, 18° 9'39.11"S, 144°37'51.22"E.

On granite outcrops.

31.VIII.2006

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

34. *Caloplaca communis* Vondrák, Říha, Arup & Søchting (2009)

in VONDRÁK et al. (2009), The Lichenologist 41(6): 591

- isotype -

BULGARIA, Black Sea coast: Burgas, Tsarevo, coastal rocks SE of town,
near small boat-factory, 42°08'49.7"N, 27°52'48.2"E.

On siliceous rock in supralittoral zone.

30.XI.2005

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

35. *Caloplaca concreticola* Vondrák & Khodos. (2008)

in VONDRÁK et al. (2008), *The Lichenologist* 40(2): 98

- isotype -

UKRAINE, Kherson region: protected area Askaniya-Nova, c. 4.5 km W of village Zaozerne, bank of Kachovski canal, alt. c. 30 m, 46°35'44.37"N, 33°53'13.21"E.

On concrete panel on canal bank, c. 1 m above water level.

7.VI.2006

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

36. *Caloplaca crenularia* (With.) J.R.Laundon (1984)

Bas.: *Lichen crenularius* With. (1801)

TURKEY, Marmara Sea coast: Bandırma, coastal rocks near Yenice, 40°22'44.78"N, 28°04'16.09"E.

Saxicolous on schist coastal cliff.

13.IV.2007

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

37. *Caloplaca ferruginea* (Huds.) Th.Fr. (1861)

Bas.: *Lichen ferrugineus* Huds. (1762)

SPAIN, Andalucía: Tarifa, San Bartolo rocks c. 4 km E of El Santiscal, alt. c. 250 m, 36° 5'7.47"N, 5°42'58.87"W.

On bark of *Eucalyptus*.

29.II.2008

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

38. *Caloplaca granulosa* (Müll.Arg.) Jatta (1900)

Bas.: *Amphiloma granulosum* Müll.Arg. (1862)

ROMANIA, Dobruja: Tulcea, Enisala, limestone outcrops 250 m SE of Enisala castle ruin, alt. c. 70 m, 44°52'56.03"N, 28°50'12.41"E.

On limestone outcrops.

3.IV.2008

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

39. *Caloplaca haematites* (Chaub. ex St.-Amans) Zwackh (1862)

Bas.: *Lecanora haematites* Chaub. ex St.-Amans (1821)

GREECE, Crete: Mires, Kali Limenes, valley c. 3 km W of the village, alt. c. 30 m, 34°55'36"N, 24°46'43"E.

On bark of *Ceratonia siliqua*.

Note: Based on ITS sequence data, *Caloplaca haematites* is a corticolous variant of the saxicolous *C. viridirufa* (Ach.) Zahlbr. (Syn.: *C. aractina* (Fr.) Häyrén).

2.V.2005

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

40. *Caloplaca haematites* (Chaub. ex St.-Amans) Zwackh (1862)

Bas.: *Lecanora haematites* Chaub. ex St.-Amans (1821)

GREECE, Crete: Mires, Kali Limenes, valley c. 3 km W of the village, alt. c. 30 m, 34°55'36"N, 24°46'43"E.

On bark of *Pistacia*.

Note: Based on ITS sequence data, *Caloplaca haematites* is a corticolous variant of the saxicolous *C. viridirufa* (Ach.) Zahlbr. (Syn.: *C. aractina* (Fr.) Häyrén).

2.V.2005

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

41. *Caloplaca haematites* (Chaub. ex St.-Amans) Zwackh (1862)

Bas.: *Lecanora haematites* Chaub. ex St.-Amans (1821)

UKRAINE, Crimean Peninsula: Sevastopol, cape "Mis Aya", submediterranean forest on seaward slope, alt. c. 200 m, 44°25'N, 33°39'E.

On bark of *Pistacia mutica*.

Note: Based on ITS sequence data, *Caloplaca haematites* is a corticolous variant of the saxicolous *C. viridirufa* (Ach.) Zahlbr. (Syn.: *C. aractina* (Fr.) Häyrén).

11.X.2009

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

42. *Caloplaca isidiigera* Vězda (1979)

UKRAINE, Eastern Carpathians: Svidovets Mts, N slope at bottom of glacial cirque near glacial lake, alt. c. 1300 m, 48°15'41"N, 24°13'22"E.

On sun-exposed base-rich sandstone boulders.

Note: *Caloplaca isidiigera* is a well-defined taxon, clearly distinguished both phenotypically and genotypically from the sorediate/blastidiate *C. chlorina* (Flot.) Sandst.; the concept in the new British flora, where both names are synonymized, is incorrect.

28.VI.2007

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

43. *Caloplaca limonia* Nimis & Poelt (1994)

CZECH REPUBLIC, Podřipsko: Budyně nad Ohří, Martíněves, alt. 250 m, 50°22'24.411"N, 14°9'8.755"E.

On lime-rich mortar of dust-impregnated old wall.

Note: The identity of the species is confirmed by ITS nrDNA molecular data.

22.VIII.2009

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

44. *Caloplaca pollinii* (A.Massal.) Jatta (1900)

Bas.: *Blastenia pollinii* A.Massal. (1852)

IRAN, East Azerbaijan: Hashtpar (Talesh), old orchard in Asalem, alt. c. 40 m, 37°43'04.20"N, 48°57'38.49"E.

On bark of *Cerasus*.

5.V.2007

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

45. *Caloplaca pyracea* (Ach.) Th.Fr. (1867)

Bas.: *Parmelia cerina* var. *pyracea* Ach. (1803)

AUSTRIA, Styria: Leoben, Proleb, Grillbichler Alm c. 2 km NW of the village, alt. 800 m, 47°24'30"N, 15°06'40"E

On bark of *Populus tremula*.

25.7.2004

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

46. *Caloplaca pyracea* (Ach.) Th.Fr. (1867)

Bas.: *Parmelia cerina* var. *pyracea* Ach. (1803)

HUNGARY, Bükk Mts: Borsod-Abaúj-Zemplén county, Mályinka, Látó-kövek rock, alt. c. 730 m, 48°07'28.7"N, 20°31'37.3"E.

On shaded limestone outcrop.

Note: Saxicolous occurrences are exceptional in this species.

2.VI.2008

leg. Jan Vondrák & Alexander Khodosovtsev

det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

47. *Caloplaca scythica* Khodos. & Søchting (1998)

RUSSIA, Taman Peninsula: salt marsh SW of Primorskiy near Taman' Bay coast, 45°15'16.05"N, 36°53'40.46"E

On *Halocnemum strobilaceum*.

Note: Based on ITS sequence data, *Caloplaca scythica* is conspecific with *C. phlogina*. However, the name "*C. scythica*" can be used for populations with whitish soralia which lack anthraquinone, occurring in salt marshes along the northern Black Sea coast.

20.V.2007

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

48. *Caloplaca teicholyta* (Ach.) J.Steiner (1895)

Bas.: *Lecanora teicholyta* Ach. (1810)

UKRAINE, Crimean Peninsula: Yalta, Oliva village, Efigenia coastal cliff, 44°24'16"N, 33°53'4"E.

On ultrabasic diorite rock.

Note: A richly fertile specimen, but ascospores in apothecia poorly developed.

30.VI.2009

leg. Jan Vondrák & Alexander Khodosovtsev

det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

49. *Caloplaca ulcerosa* Coppins & P.James (1979)

CROATIA, Istria: Poreč, Špadići, at sea coast, 45°14'59"N, 13°35' 27.04"E.

On bark of *Carpinus betulus*.

11.IX.2009

leg. & det. Jan Vondrák

Vondrák J. 2010: **Selected exsiccates of *Caloplaca***, Fasc. 2 (Nos 26–50).
Fritschiana 67: 1–10.

Distributed by the *Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz (GZU)*

50. *Caloplaca variabilis* (Pers.) Müll.Arg. (1862)

Bas.: *Lichen variabilis* Pers. (1794)

UKRAINE, Kherson region: Berislav, Burgunka, shallow valley "Burgunskaya Balka", alt. 20–40 m, 46°48'30.37"N, 33°13'10.01"E.

On limestone outcrops.

Note: Based on ITS sequence data, *Caloplaca variabilis* in a recent sense is a complex of phenotypically similar species. This specimen may be different from *C. variabilis* s.str.

16.VI.2008

leg. & det. Jan Vondrák

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Fritschiana](#)

Jahr/Year: 2010

Band/Volume: [67](#)

Autor(en)/Author(s): Vondrák Jan

Artikel/Article: [Selected exsiccates of Caloplaca, Fasc. 2 \(Nos 26-50\) 1-10](#)