

F. Schumm (2026):

Images of Lichens

Farkas Lichenes delicati Exsiccati

With this volume I document what was distributed from E. Farkas in "Lichenes Delicati Exsiccati Editae". I have chosen the genus names that E. Farkas used, even though others are now more common. However, I also include the currently used names in the synonym list and the index. In this Volume I omitted the search for description from the literature.

For the descriptions of europaean species I recomend the excellent descriptions that are provided in Prof. Nimis *ITALIC* 8 under the URL: **<https://italic.units.it/>**

and the Australian Lichenslist under the Url: **https://www.anbg.gov.au/abrs/lichenlist/lichenchecklist_e_o.html**

F. Schumm, 2026

Absconditella delutula (Nyl.) Coppins & H. Kiliyas, in Hawksworth, James
& Coppins, Lichenologist 12(1): 106 (1980)
= *Lecidea delutula* Nyl. 1879

[FA31], Macedonia. Municipality of Bitola , Pelister National Park, in
coniferous forest, ca 1 km NW of peak "Jorgov kamen". On turf/detritus
on acidic soil. Lat.: 41°1'24.6" N; Long.: 21°13'0.3" E, 1730 m. Leg. L.
Lökös, 18.7.2010, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES
DELICATI NR. 31.



Absconditella delutula



Absconditella delutula

Amandinea efflorescens (Müll. Arg.) Marbach, Biblioth. Lichenol. 74: 61
(2000)
= *Buellia efflorescens* Müll. Arg. 1893
= *Efflorellia efflorescens* (Müll. Arg.) Kalb & Aptroot, Lichenes Neotropici Fasc. XVII: 6 (2024)

[FA16], Brazil. Alagoas. Município de Piranhas, above the northern banks of Rio São Francisco. in dense ±cliffy Caatinga. Corticolous. Lat.: 09°38" S; Long.: 37°43" W, 20-50 m. Leg. M. Cáceres et K. Kalb, 23.4.2010, det K.Kalb. EX E. FARKAS LICHENES DELICATI NR. 16.



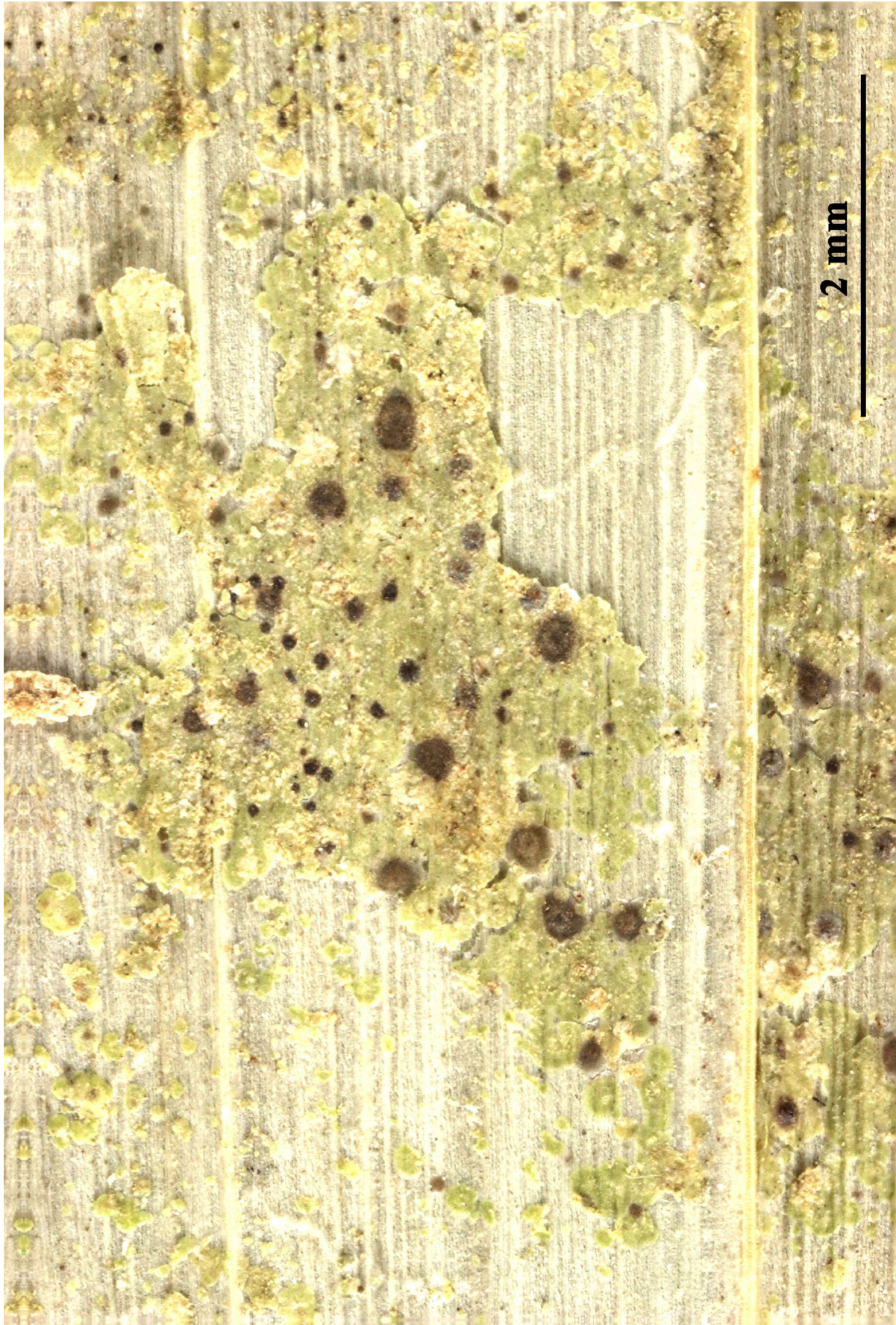
Amandinea efflorescens



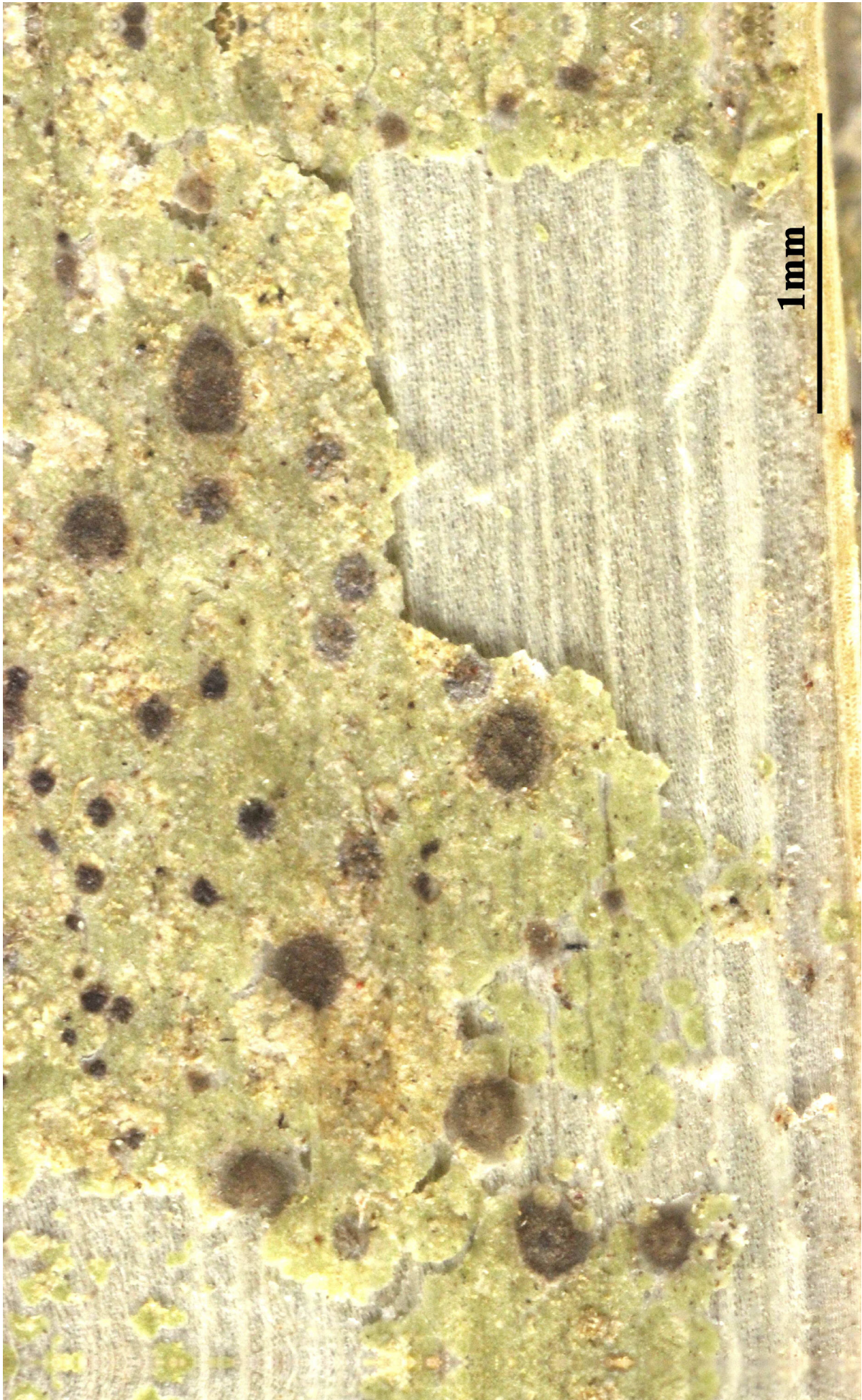
Amandinea efflorescens

Arthonia trilocularis Müll. Arg., Flora, Regensburg 64(15): 233 (1881)

[FA32], Brazil. Estado São Paulo. São Roque, Project Itatuba. Cascada entre la Laguna Sapucaia y la Lagunita. In Atlantic submontane rain forest. On leaves, 800 m. Leg. A. Borhidi (BB2), 3.1.1989, det. E. Farkas and A. Flakus. EX E. FARKAS LICHENES DELIUCATI NR. 32.



Arthonia trilocularis



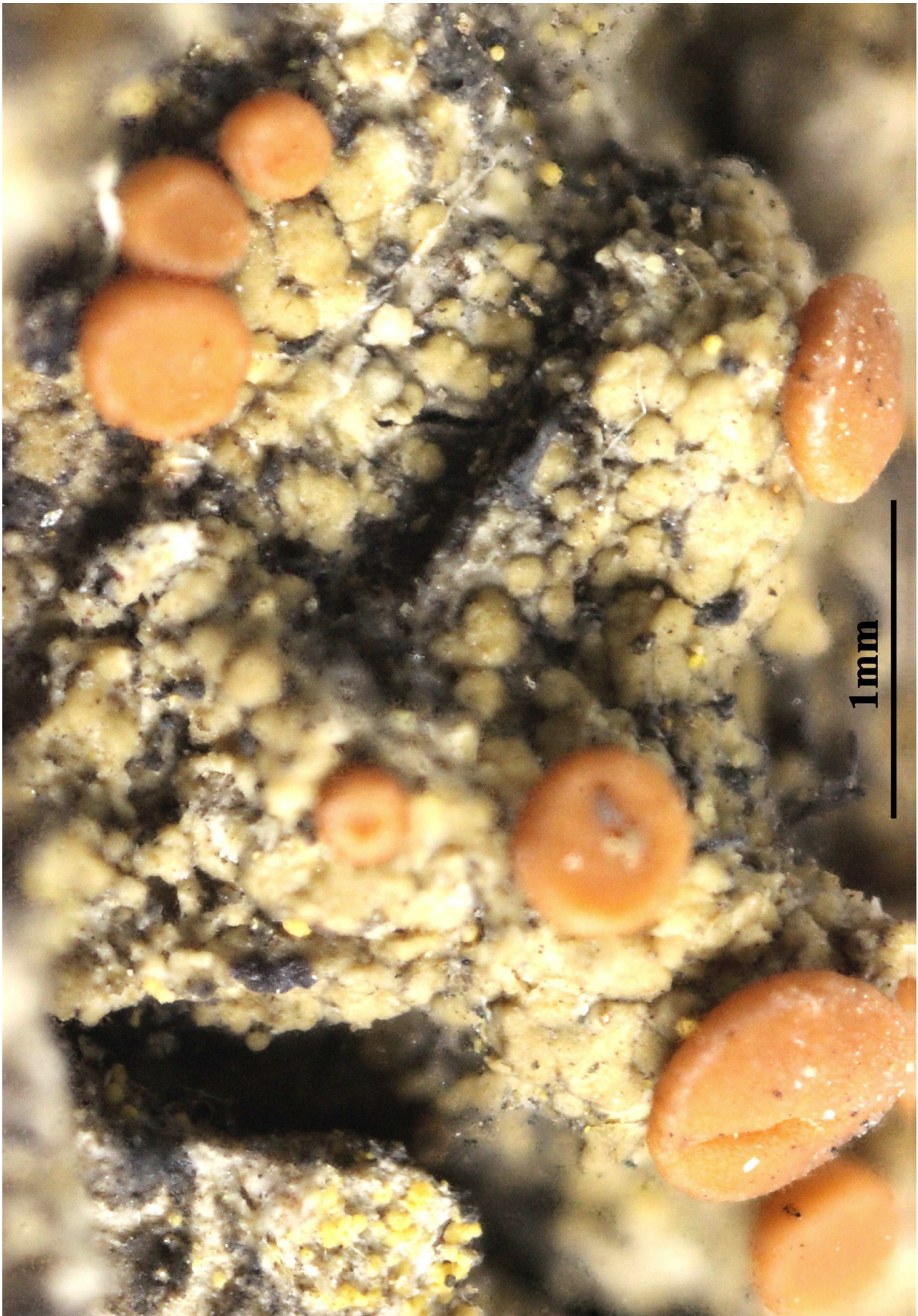
Arthonia trilocularis

Bacidia fraxinea Lönnr., Flora, Regensburg 41: 612 (1858)

[FA33], Bulgaria. Burgas Province, Malko. Tarnovo Municipality, Standzha Mts. Paroria reserve, ca. 2.2 km NE of Petrovaniva, on bark (*Acer campestre*). Lat.: 42°4'45.2" N; Long.: 27°32'26.6" E, 120 m. Leg. L. Lökös, 36.2009, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 33.



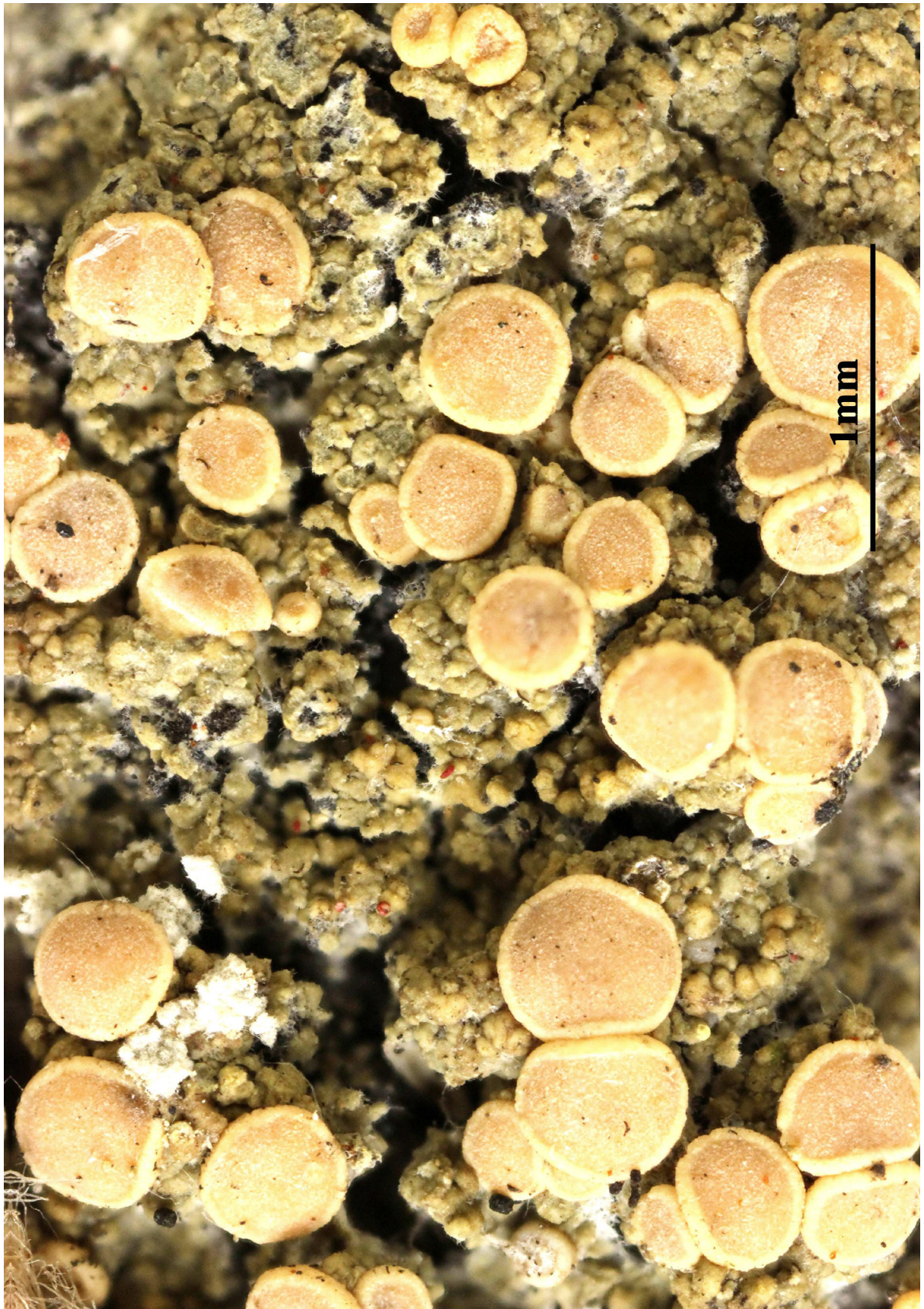
Bacidia fraxinea



Bacidia fraxinea

Bacidia rosella (Pers.) De Not., G. bot. ital. 2(1.1): 190 (1846)
= *Lichen rosellus* Pers. 1794

[FA34], Greece. Central Macedonia District, Kaimaktsalan/Voras Mts.
Kremasis stream at Kotroni, Mavro Dasos. On bark (*Fagus moesiaca*).
Lat.: 40°55'02.3" N; Long.: 21°51'17.8" E; 1065 m. Leg E. Lökös,
16.7.2010, det E. Farkas et L. Lökös. Ex E. Farkas Lichenes Delicati
Nr. 34.



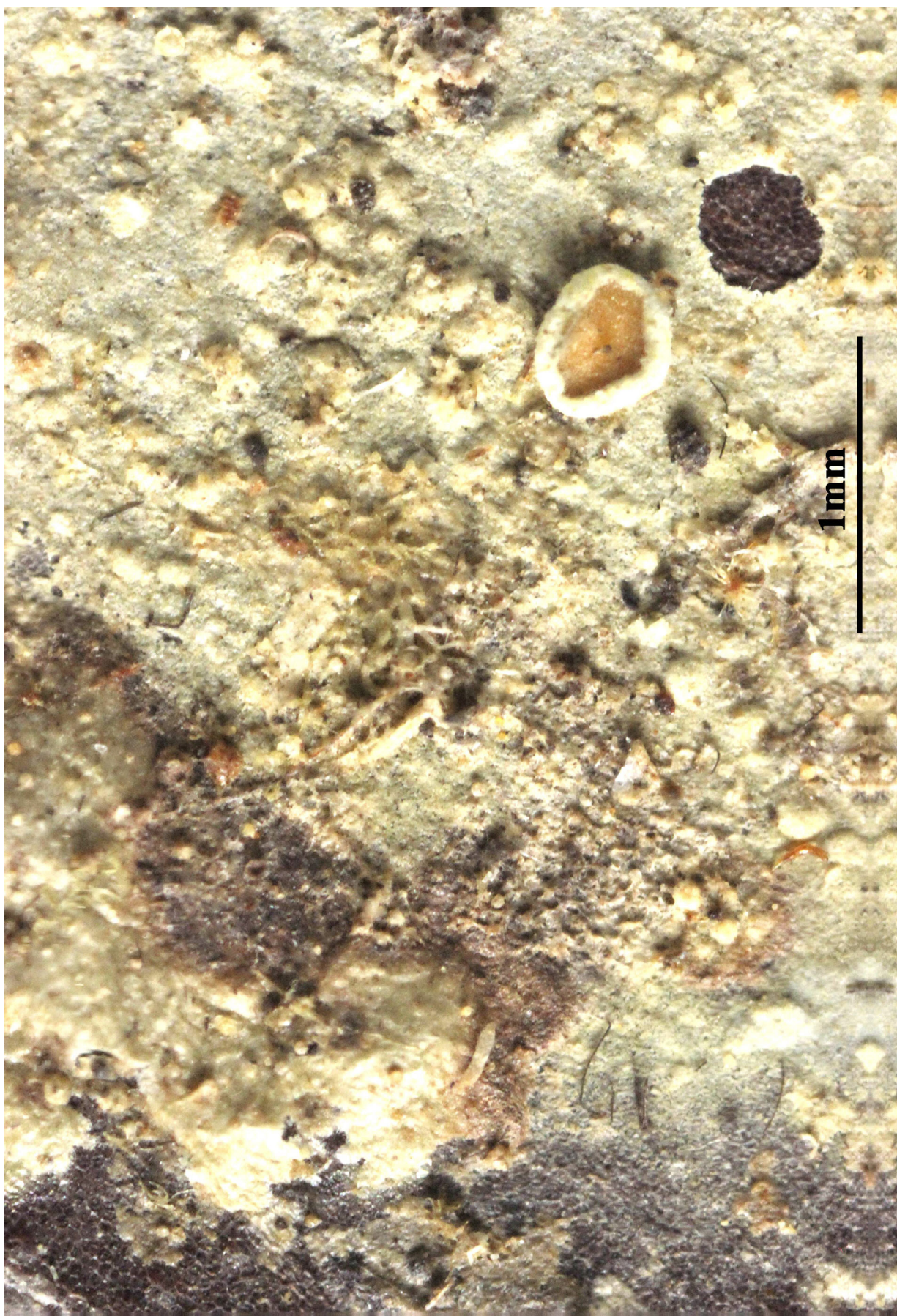
Bacidia rosella



Bacidia rosella

Badimia dimidiata (Bab. ex Leight.) Vězda, Folia geobot. phytotax. 21(2):
215 (1986)
= *Lecanora dimidiata* Bab. ex Leight. 1866

[FA17], Costa Rica. Heredia province. La Selva protection zone about 60 km of San José, base of Atlantic slope of the Cordillera Central, tropical lowland rainforest zone, secondary vegetation (forest margin) on SHO-trail. On leaves of undetermined *Araceae*. Lat.: 10°26' N; long.: 84°032' W, 50 m. Leg. R. Lücking (no. 91-4750), 9.1991, det. R. Lücking. EX E FARKAS LICHENES DELICATI NR.17.



Badimia dimidiata



Badimia dimidiata

Biatora veteranorum Coppins & Sérus., in Sérusiaux, Brand, Motiejunaite, Orange & Coppins, Bryologist 113(2): 337 (2010)

[FA35], Czech Republic. N-Moravia. Moravsko Slezské Beskydy Mts., distr. Frýdek-Místek: fir-beech virgin forest Salajka, ca. 0.7 km NE-ENE from Bumbálka pass. On wood of dead *Abies alba*. Lat.: 49°24.06' N; Long.: 18°25.17' E; 760 M. Leg. J. Maliček and Z. Palice (nr. 13198), 25.8.2009, det. Z. Palice. - the same species was described and distributed as *Cattillaria alba* Coppins et Vězda in Vězda Lichenes Rariore Exsiccati 1993. - EX E. FARKAS LICHENES DELICATI NR. 35.



Biatora veteranorum



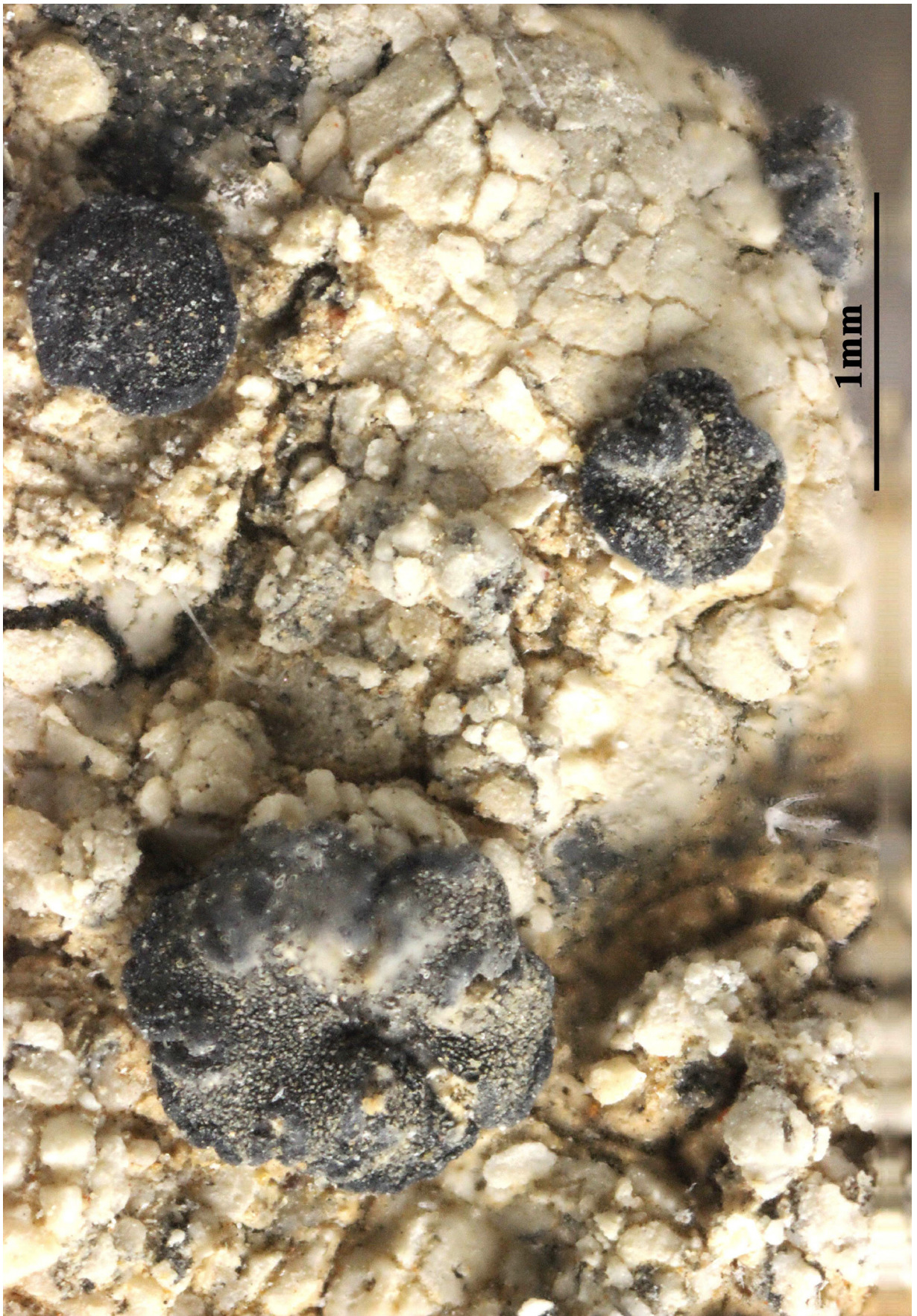
Biatora veteranorum

Buellia follmannii C.W. Dodge [as 'follmanni'], Nova Hedwigia 12(3+4): 350 (1967) [1966]

[FA1], Namibia. Distr. Omaruru, Central Namib Desert, Laguneberg, approx 2-3 km N of mile 72. On basic rock. 25-60 m. Leg. V. Wirth, 25.2.1989, det. V. Wirth. EX E. FARKAS LICHENES DELICATI NR. 1.



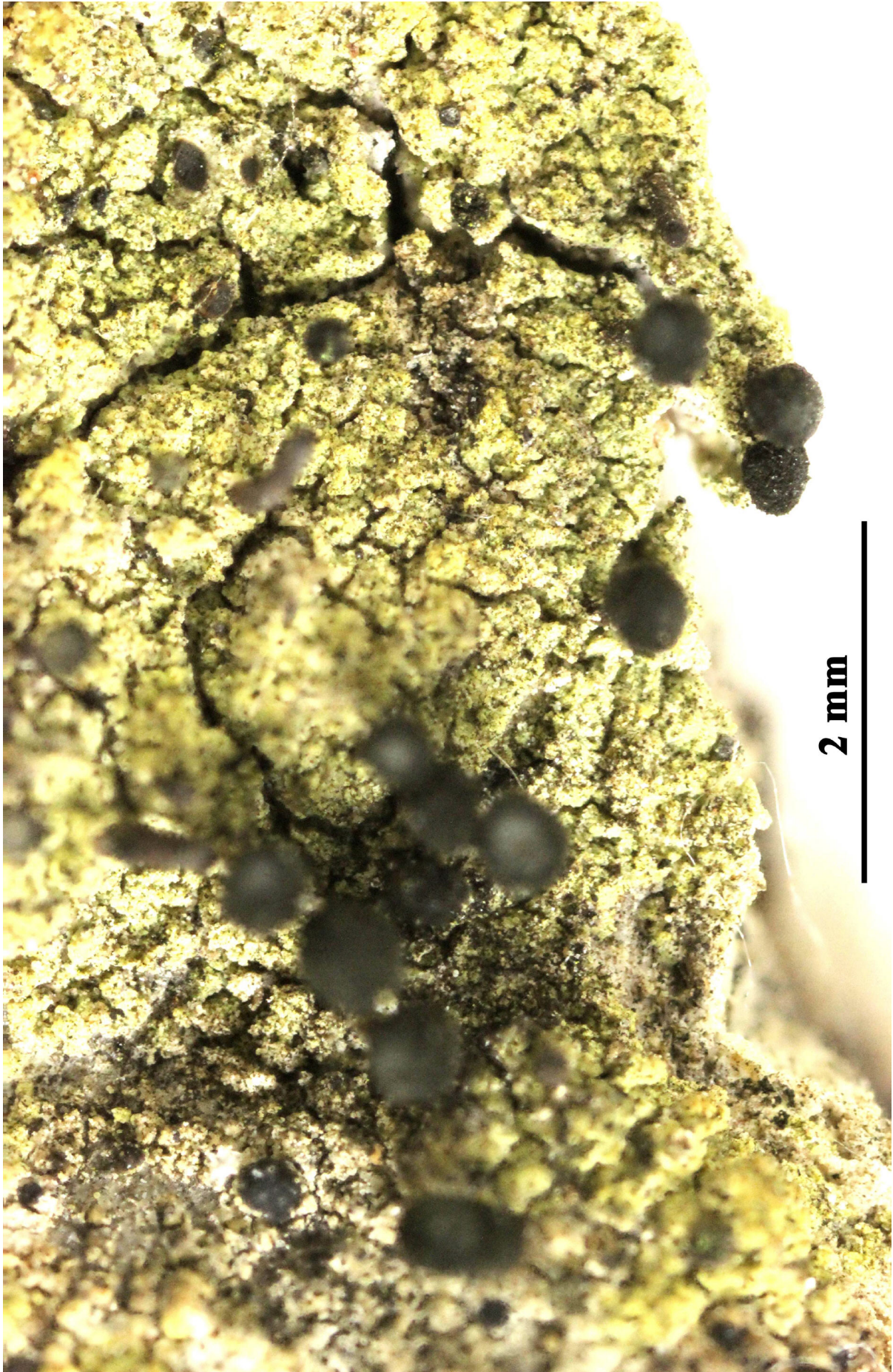
Buellia follmannii



Buellia follmannii

Calicium viride Pers., Ann. Bot. (Usteri) 7: 20 (1794)

[FA46], Sweden. Ostergotland province, Vadstena parish, on bark (*Tilia*). Lat.: 58°27'05.6" N; Long.: 14°53'29.9" E; 97 m. Leg. E. Farkas and N. Varga, 13.8.2013, det. E. Farkas, L. Lökös and N. Varga. EX E. FARKAS LICHENES DELICATI NR.46.



Calicium viride



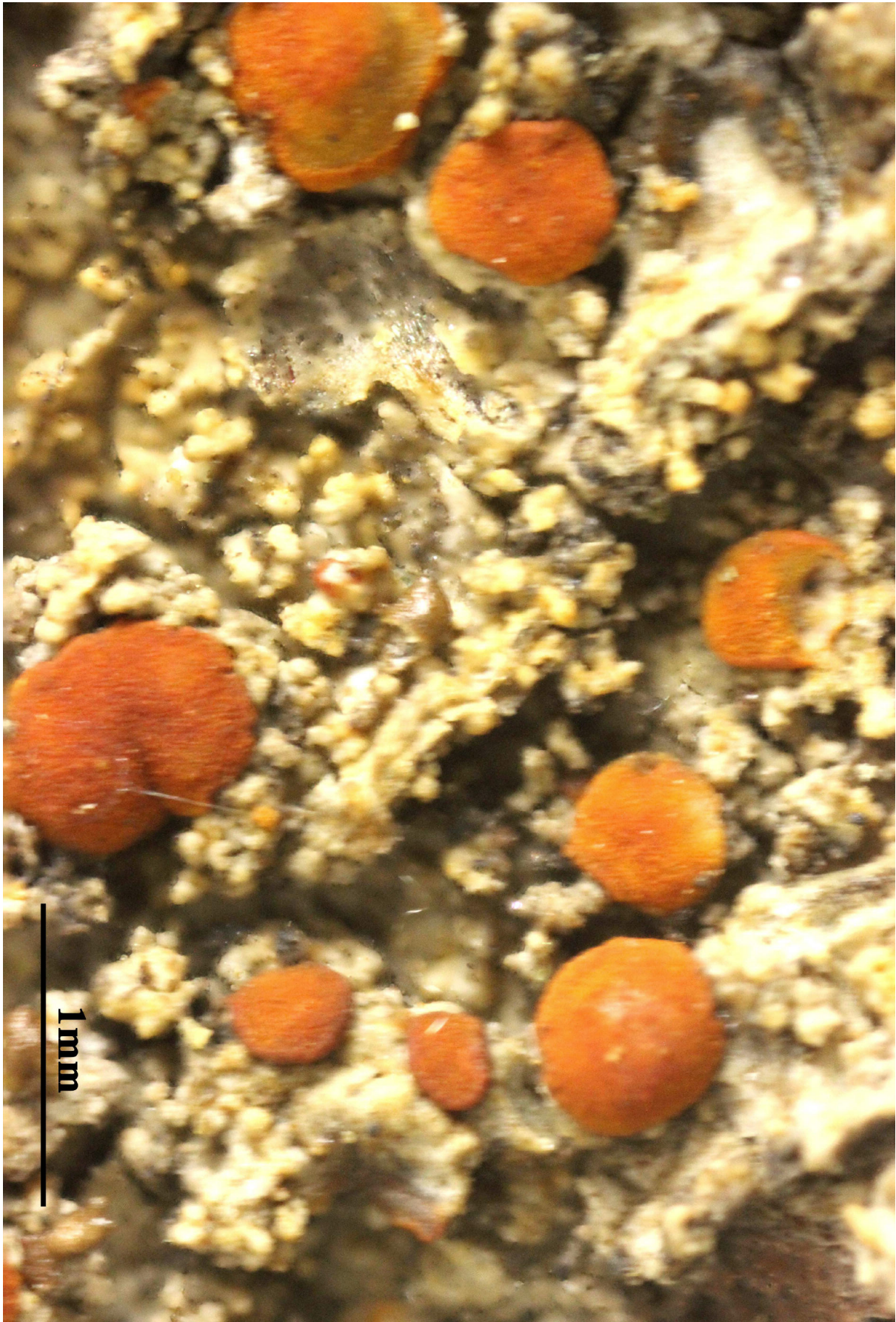
Calicium viride

Caloplaca herbidella (Hue) H. Magn., Bot. Notiser: 430 (1932)
= *Lecidea caesiorufa* f. *herbidella* Hue 1913

[FA47], Albania. Distr. of Korçë (Rethi i Korçës), on the ridge of Mts. Mali i Moravës near peak Buzeja e Boboshticës; ca. 2 km NW of village Dardhë, in beech forest on gravel conglomerate. On bark (*Abies*). Lat.: 49°32'9.5" N; Long.: 20°48'48.3" E; 1620 m. Leg. L. Lökös, 10.8.2010, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 47.



Caloplaca herbidella



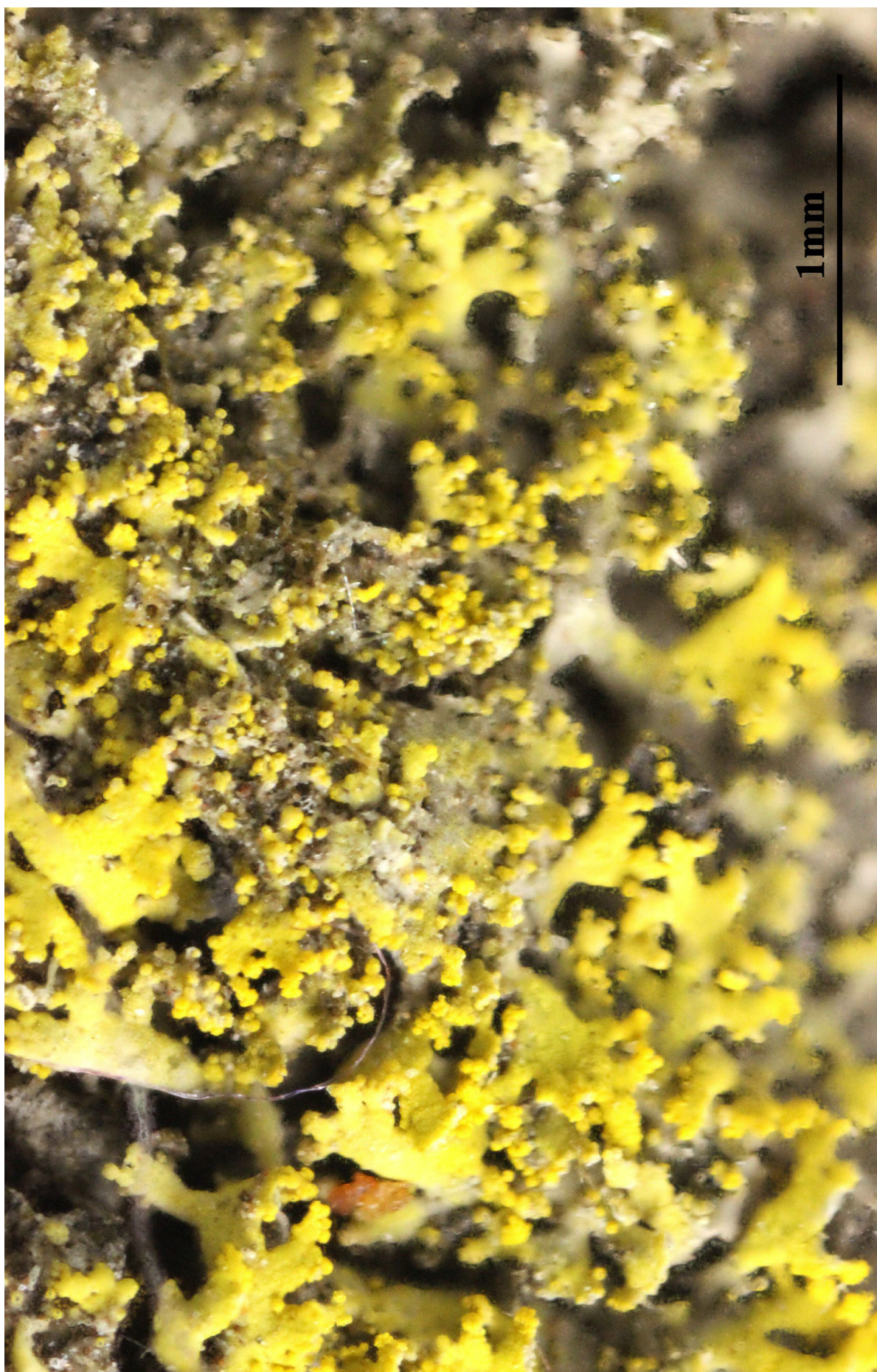
Caloplaca herbidella

Candelaria concolor (Dicks.) Arnold, Flora, Regensburg 62: 364 (1879)
= *Lichen concolor* Dicks. 1793

[FA48], Montenegro. Podgorica Municipality, ca 7.8 km SE of Tuzi, near th Montenegro-Albania border. On bark (*Phyllirea latifolia*). Lat.: 42°19'23.9 N; Long.: 14°38'25.3" E; 35 m. Leg. L. Lökös, 8.10.2012, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR.48.



Candelaria concolor



Candelaria concolor

Chaenotheca furfuracea (L.) Tibell, Beih. Nova Hedwigia 79: 664 (1984)
= *Mucor furfuraceus* L. 1753
= *Coniocybe furfuracea* (L.) Ach.

[FA49], Albania. Distr. Korçë (Rethi i Korçës), on the ridge of Mts Mali Moravës near peak Buzeja e Bobohticës, ca 2 km NE of village Dardhë, in beech forest on gravel conglomerate. On small roots of trees, 1620 m. Leg. L. Lökös, 10.8.2010. det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 49.



Chaenotheca furfuracea



Chaenotheca furfuracea

Chapsa dilatata (Müll. Arg.) Kalb, Biblioth. Lichenol. 99: 140 (2009)
= *Ocellularia dilatata* Müll. Arg. 1895
= *Pseudochapsa dilatata* (Müll. Arg.) Parmen, Lücking & Lumbsch,
PLoS ONE 7(12): e51392, 10 (2012)

[FA02], Brazil. Sergipe. Serra de Itabaiana, Município Areia Branca, street from BR 235 to Pedrinha, "Mata da Fazenda Cafuz", ca 30 km NE of Aracuja, in bushy remnants of a tropical rainforest (Mata Atlântica). Corticolous. Lat.,; 10°48'59" S; Long.: 37°16'26" W; 140 m. Leg M. Cáceres and K. Kalb, 16.4.2010, det. K. Kalb. - Stictia acid (major), consticti acid (major), hypoconstictic acid /minor), cryptostictic acid (minor), menegazziaic acid (minor), TLC from K. Kalb, 2010. - EX E. FARKAS LICHENES DELICATI NR. 02.



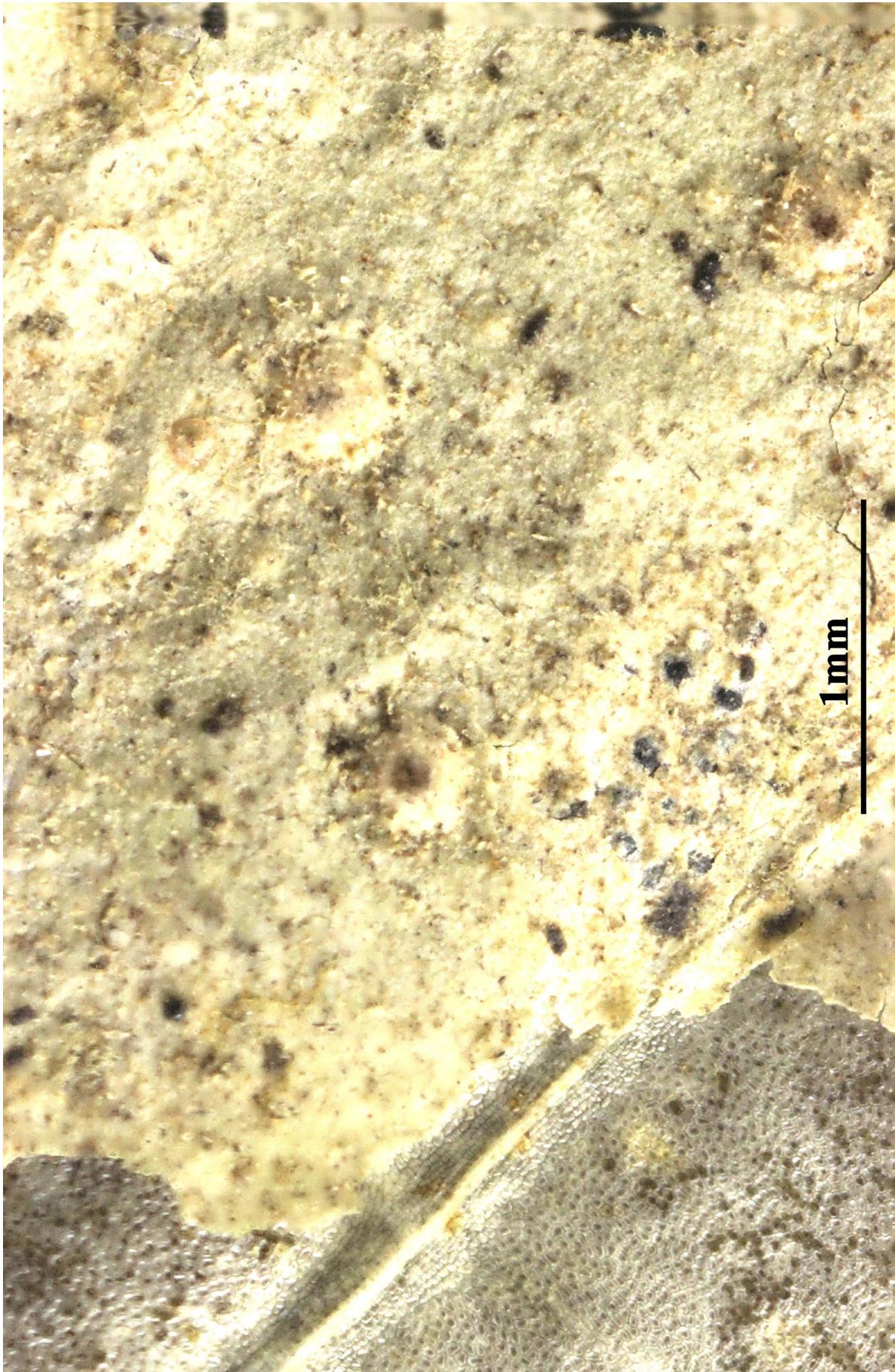
Chapsa dilatata



Chapsa dilatata

Chroodiscus argillaceus (Müll. Arg.) Lücking & Papong, in Papong,
Lücking, Thammathaworn & Boonpragob, Bryologist 112(1): 154 (2009)
= *Ocellularia argillacea* Müll. Arg. 1883

[FA20], Malaysia. Negri Sembilan. Pasoh Forest Reserve, lowland dipterocarp forest. Foliicolous on leaf. Lat.: 02°58' N; Long.: 102°18' E, 100-150 m. Leg. D. L. Hawksworth, 17.11.1007, det. E. Farkas - Stictic acid by HPTLC anal. E. Farkas et K. Molvár, 1010. - Ex E. FARKAS LICHENES DELICATI NR. 20.



Chroodiscus argillaceus



Chroodiscus argillaceus

Chroodiscus homchantarae Papong & Lücking, in Papong, Lücking, Thammathaworn & Boonpragob, Bryologist 112(1): 155 (2009)

[FA03], Malaysia. Negri Sembilan, Pasoh Forest Reserve, lowland dipterocarp forest, foliicolous on palm-leaf, 02°58' N, 102°18' E, 100-150 m. Leg. D. L. Hawksworth, 27.11.1997, det. E. Farkas - Annot.: Stictis acit, anal. E. Farkas. - EX E. FARKAS LICHENES DELICATI NR. 03.



Chroodiscus homchantarae



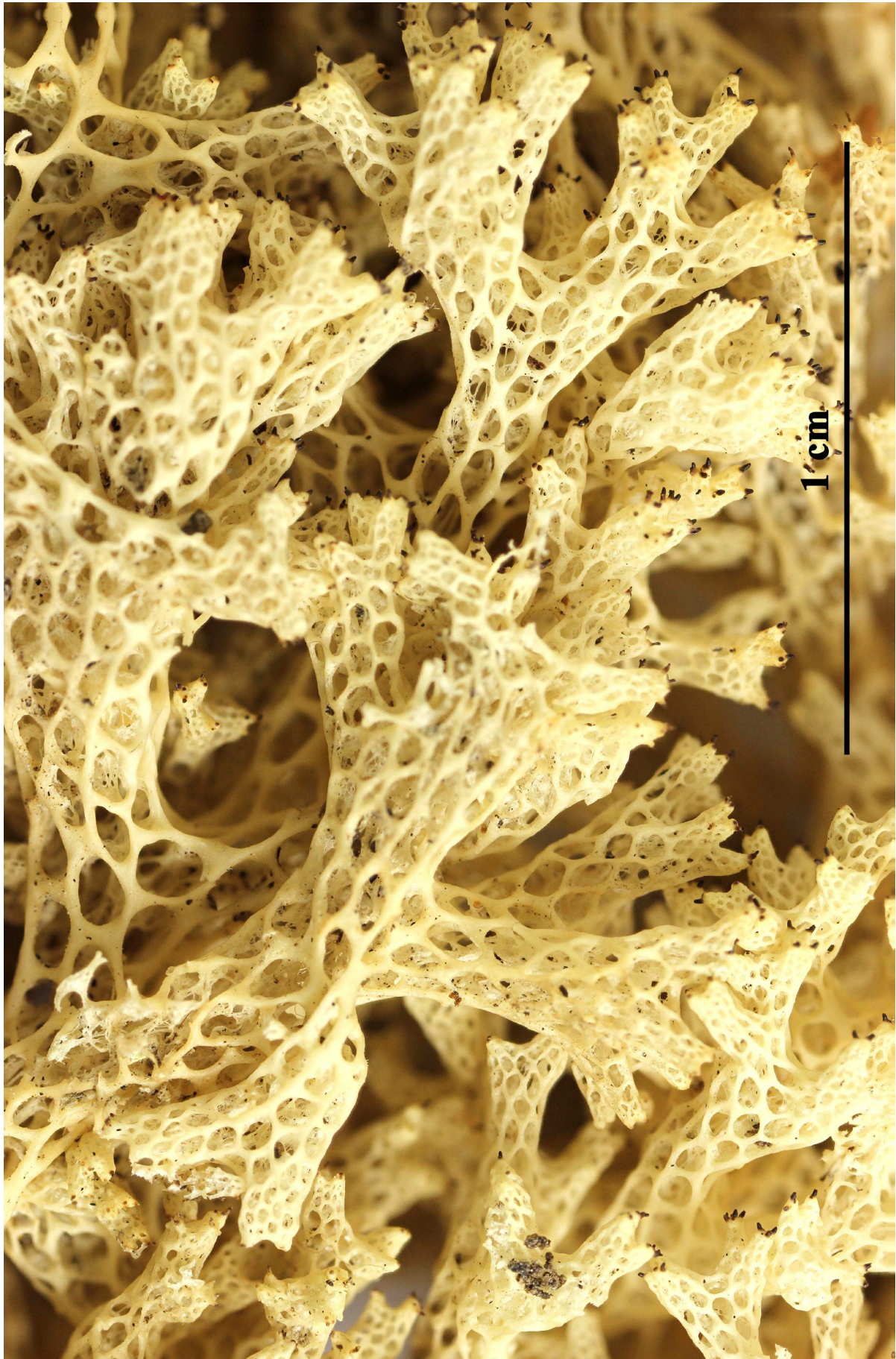
Chroodiscus homchantarae

Cladia retipora (Labill.) Nyl., Bull. Soc. linn. Normandie, sér. 2 4(2): 167 (1870)

= *Baeomyces retiporus* Labill. 1806

= *Pulchrocladia retipora* (Labill.) S. Stenroos, Pino-Bodas & Ahti, in Stenroos, Pino-Bodas, Hyvönen, Lumbsch & Ahti, Cladistics 35: 379 (2018)

[FA21], Tasmania. Forestier Peninsula, Richardsons Road. On ground in wet heathland, Lat.: 42°56' S; Long.: 147°57' E; 90 m. Leg. G. Kantvilas (no. 88/10), 16.6.2010., det. G. Kantvilas. EX E. FARKAS LICHENES DELICATI NR. 21.



Cladia retipora



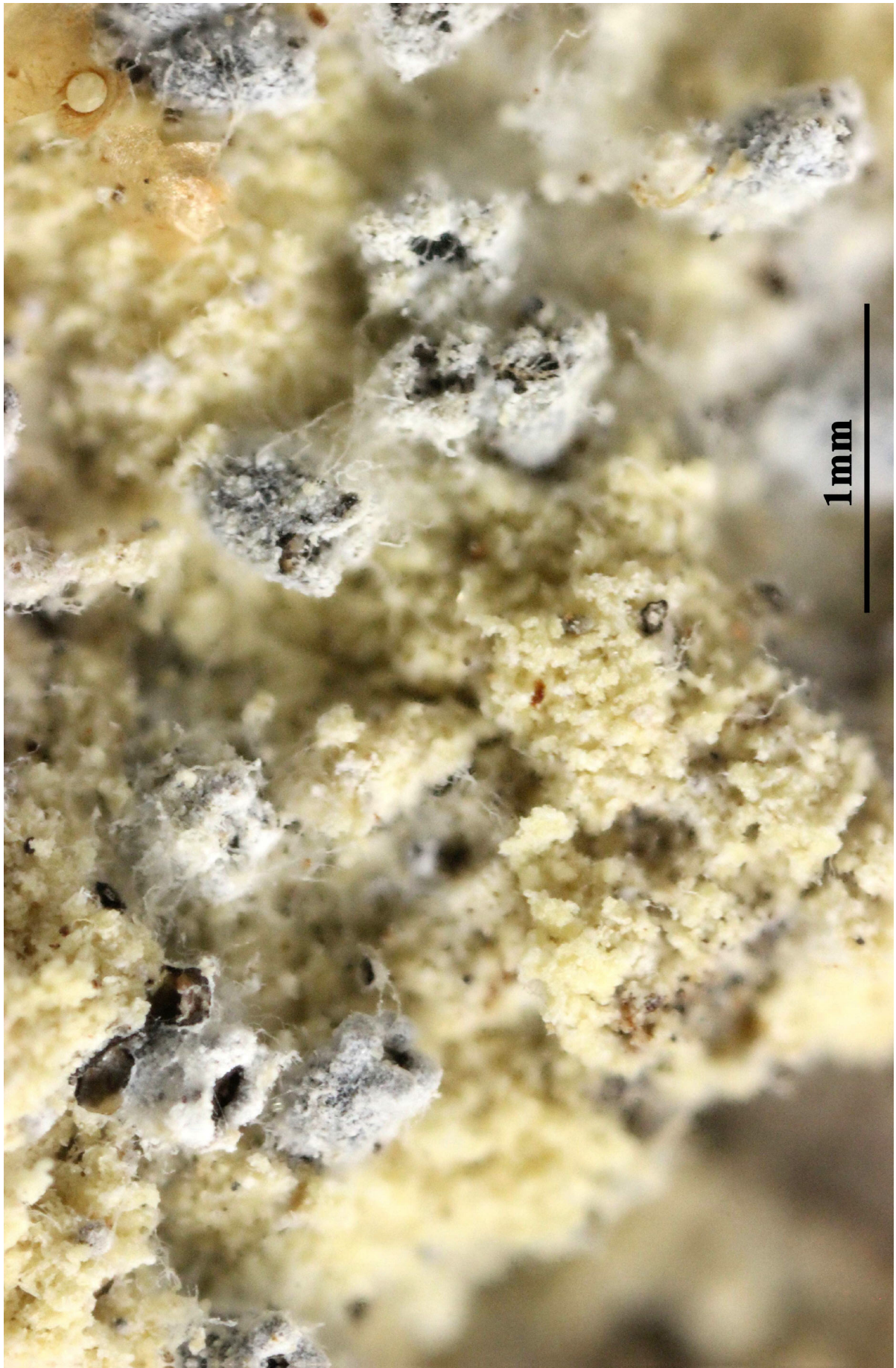
Cladia retipora

Conotremopsis weberiana Vězda, Folia geobot. phytotax. 12: 314 (1977)

[FA37], Tasmania. Upper reaches of Little Fisher River. Walls of Jerusalem National Park. In rain forest, on *Nothofagus cunninghamii*. Lat.: 41°46' S: Long.: 146°20' E; 1000 m. Leg. G. Kantvilas (no. 25/12), 17.2.2012, det. G. Kantvilas. EX E. FARKAS LICHENES DELICATI NR.37



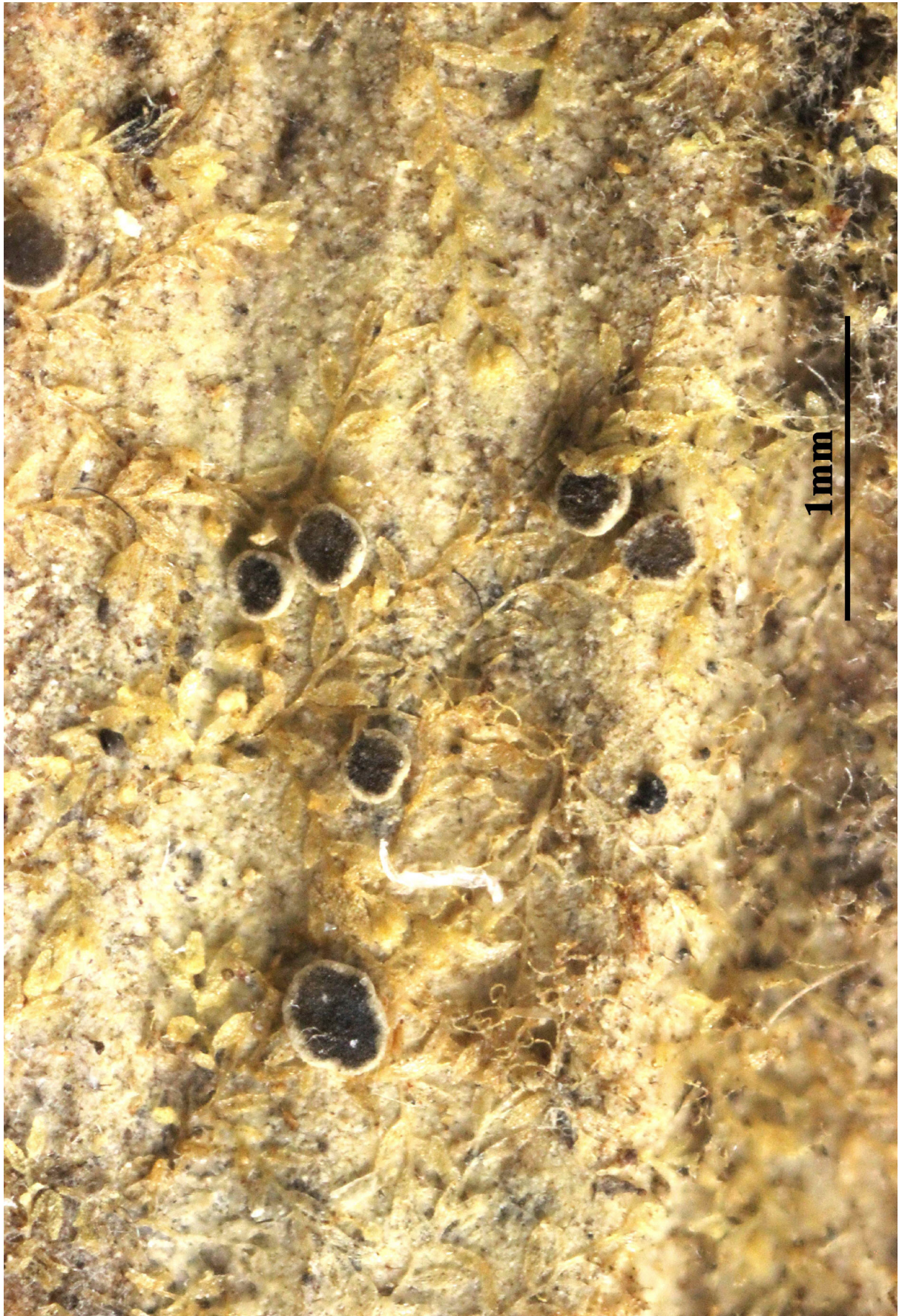
Conotremopsis weberiana



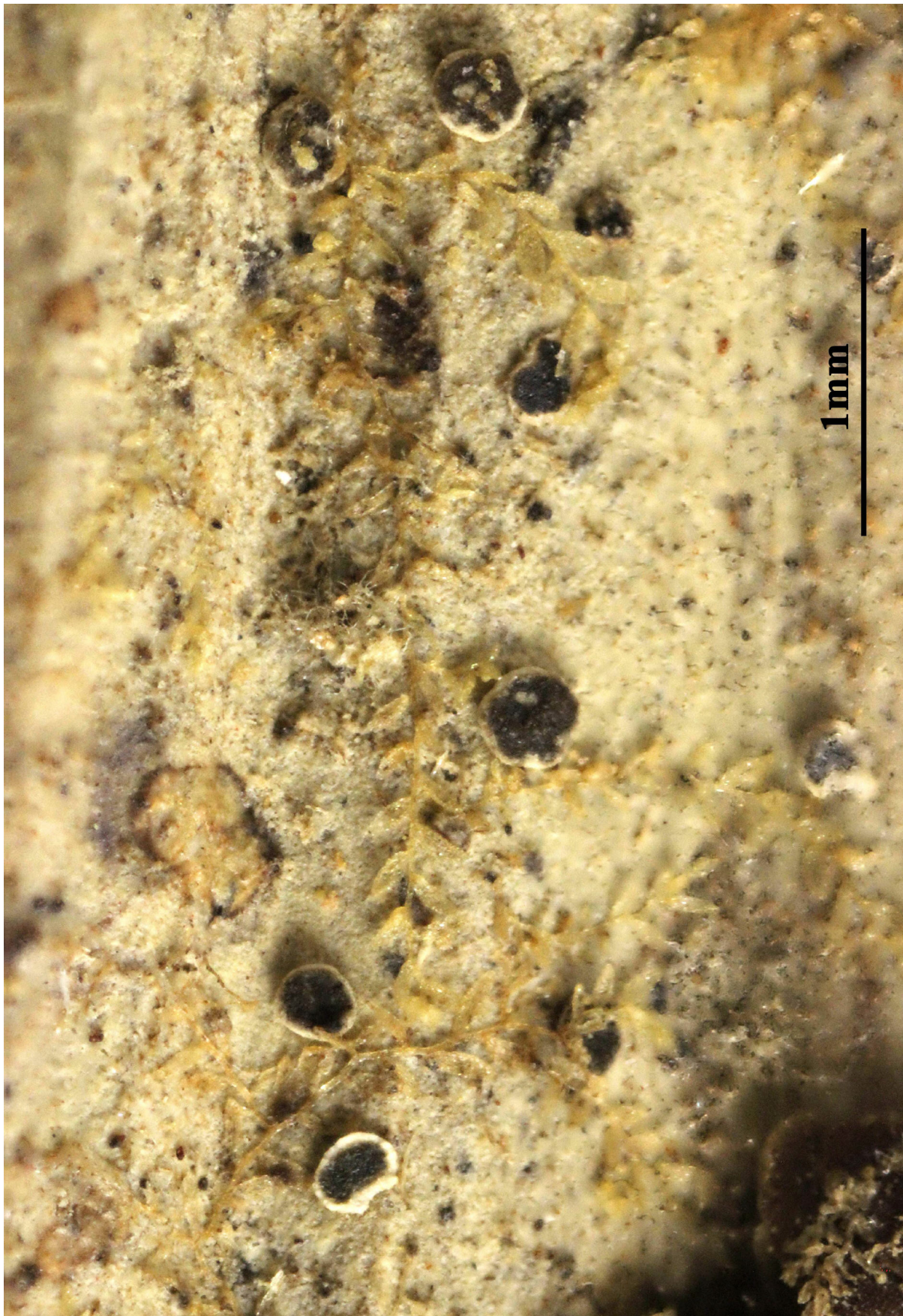
Conotremopsis weberiana

Eugeniella leucocheila (Tuck.) Lücking, Sérus. & Kalb, in Lücking, Fl.
Neotrop., Monogr. 103: 714 (2008)
= *Lecidea leucocheila* Tuck. 1866

[FA38], Brazil. Amazonas, Rio Negro, inter 100-200 km supra Manaus.
On leaves in rain forest along the river, ca. 40 m. Leg. K. Kalb, 14-
18.10.1980, det. E. Farkas and A. Flakus. - Annot.: Early tentatively
identified as *Fellhanera* aff. *sublecanorina* sp. n. by Kalb and Vezda in
1988. 2-O-methyl-perlatolic (TLC . E. Farkas and A. Flakus 2013), The
lichenicolous fungus *Keratosphaera furcatiseta* Matzer, Mycol Pap.
171: 123 (1996) may occur on the margin of apothecia. - EX E. FARKAS
LICHENES DELICATI NR. 38.



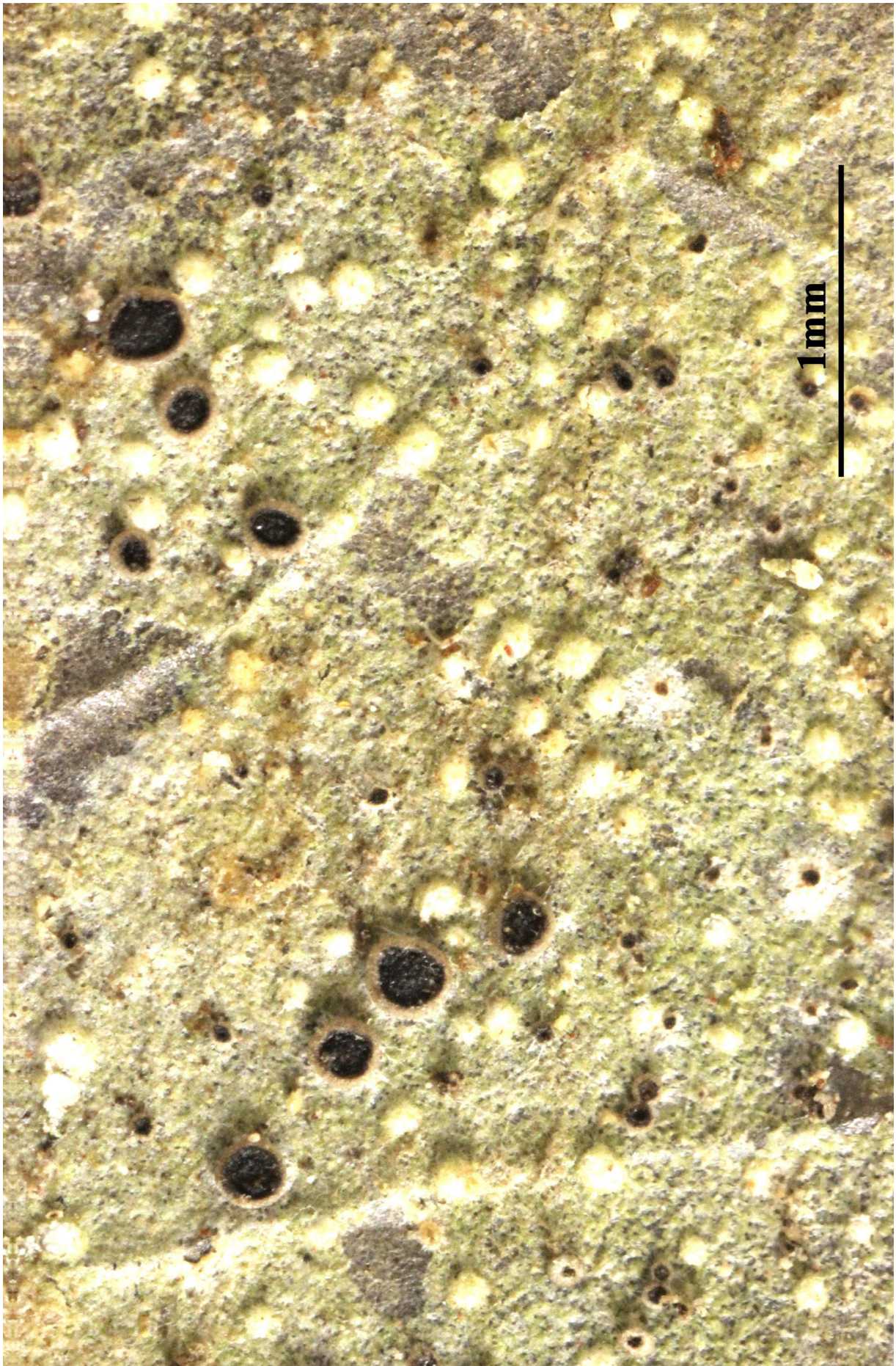
Eugeniella leucocheila



Eugeniella leucocheila

Fellhanera stanhopeae (Müll. Arg.) Lücking, Lumbsch & Elix, Bot.
Acta 107(6): 400 (1994)
= *Patellaria stanhopeae* Müll. Arg. 1881

[FA51], Brazil. Estado Rio de Janeiro, Serrado Mantiqueira, Parque Nacional de Itatiaia. A1 oeste de la valle Itaporani. Follicolous in montane rainforest, 1300-1600 m. Leg. A. Borhidi (nr. BB32), 20.2.1995., det. E. Farkas. EX E. FARKAS LICHENES DELICATI NR.51,



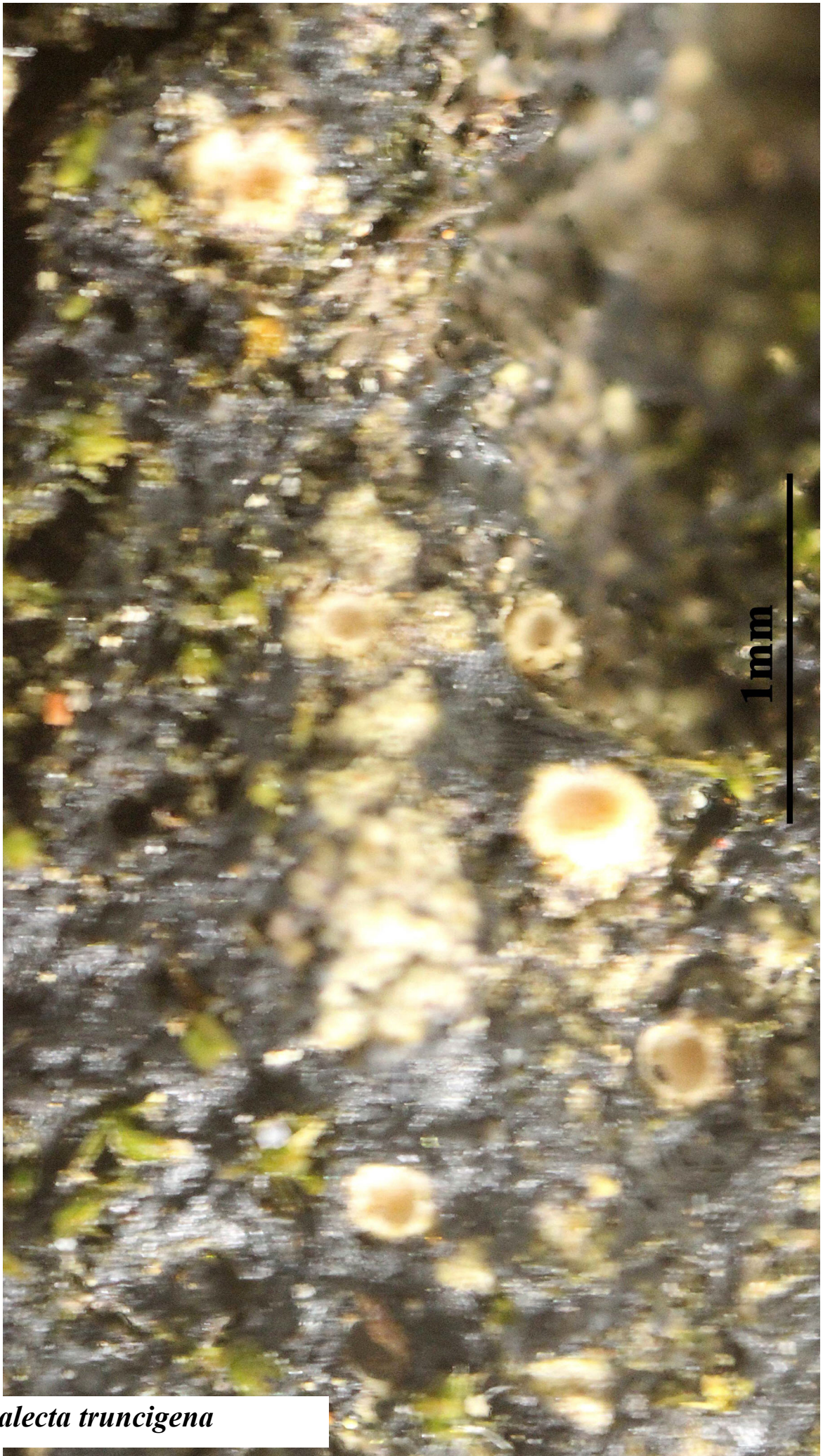
Fellhanera stanhopeae



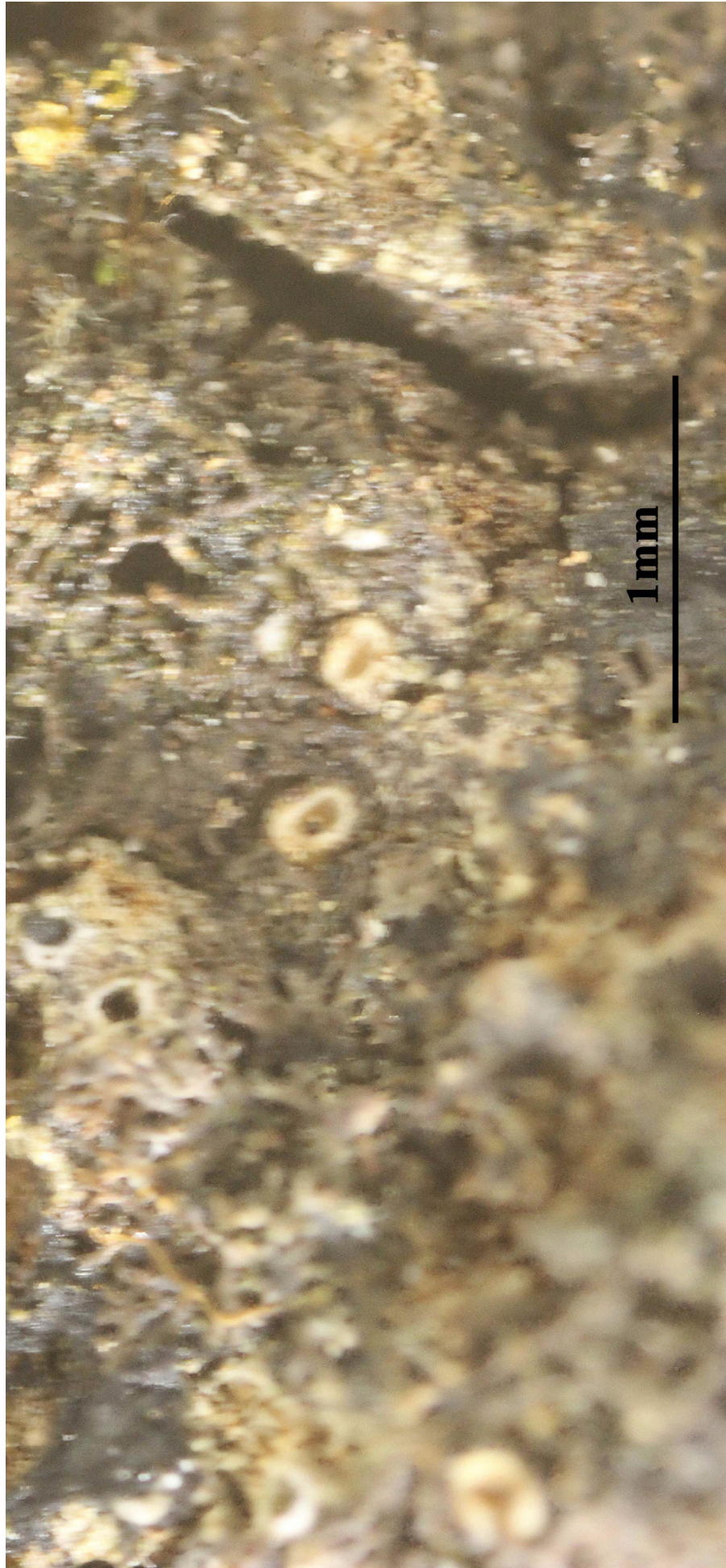
Fellhanera stanhopeae

Gyalecta truncigena (Ach.) Hepp, Flecht. Europ.: no. 27 (1853)
= *Gyalecta wahlenbergiana* var. *truncigena* Ach. 1810

[FA52], Albania. Distr. of Vlorë (Rrethi i Vlorës), ca. 1.7 km S of village Ilias and ca. 1 km E of monastery Shën Theodor (Aghios Theodoros); close to the seashore. On bark (*Platanus*). Lat.: 40°7'41.5" N; Long.: 19°40'19.3' E; 15 m. Leg. L. Lökös, 13.8.2010, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 52.



Gyalecta truncigena



Gyalecta truncigena

Herpothallon hypoprotocetraricum G. Thor, in Aptroot, Thor, Lücking, Elix & Chaves, Biblioth. Lichenol. 99: 43 (2009)

[FA39], Tanzania, Morogoro Region. On the SE slope of Mt. Kanga, along Mkange stream. Corticolous in rocky forest, ca. 1200-1300 m. Leg. E. Farkas (no. 89112), 30.3.1989. - Earlier identified as *Cryptothecia rubrotincta* (Ehrenb.) Thor (Thor 1991: 282, ISOTYPE. - Ex E. FARKAS LICHENES DELICATI NR. 39.



Herpothallon hypoprotocetraricum



Herpothallon hypoprotocetraricum

Illosporium carneum Fr., Systema Mycologicum 3(1): 259 (1829)
= *Lichen roseus* Schreb., Spic. fl. lips. (Lipsiae): 140 (1771)

[FA53], Sweden. Östergötland province, Västra Tollstad parish, Mt. Omberg, at the viewpoint Hjässan. Lichenicolous on terricolous *Peltigera canina* (L.) Willd. Lat.: 58°18'22.5" N: Long.: 14°38'59.5" E; 363 m. Leg. J. Motiejūnaitė. 13.8.2013, det. J. Motiejūnaitė. EX E. FARKA LICHENES DELICATI NR. 53.



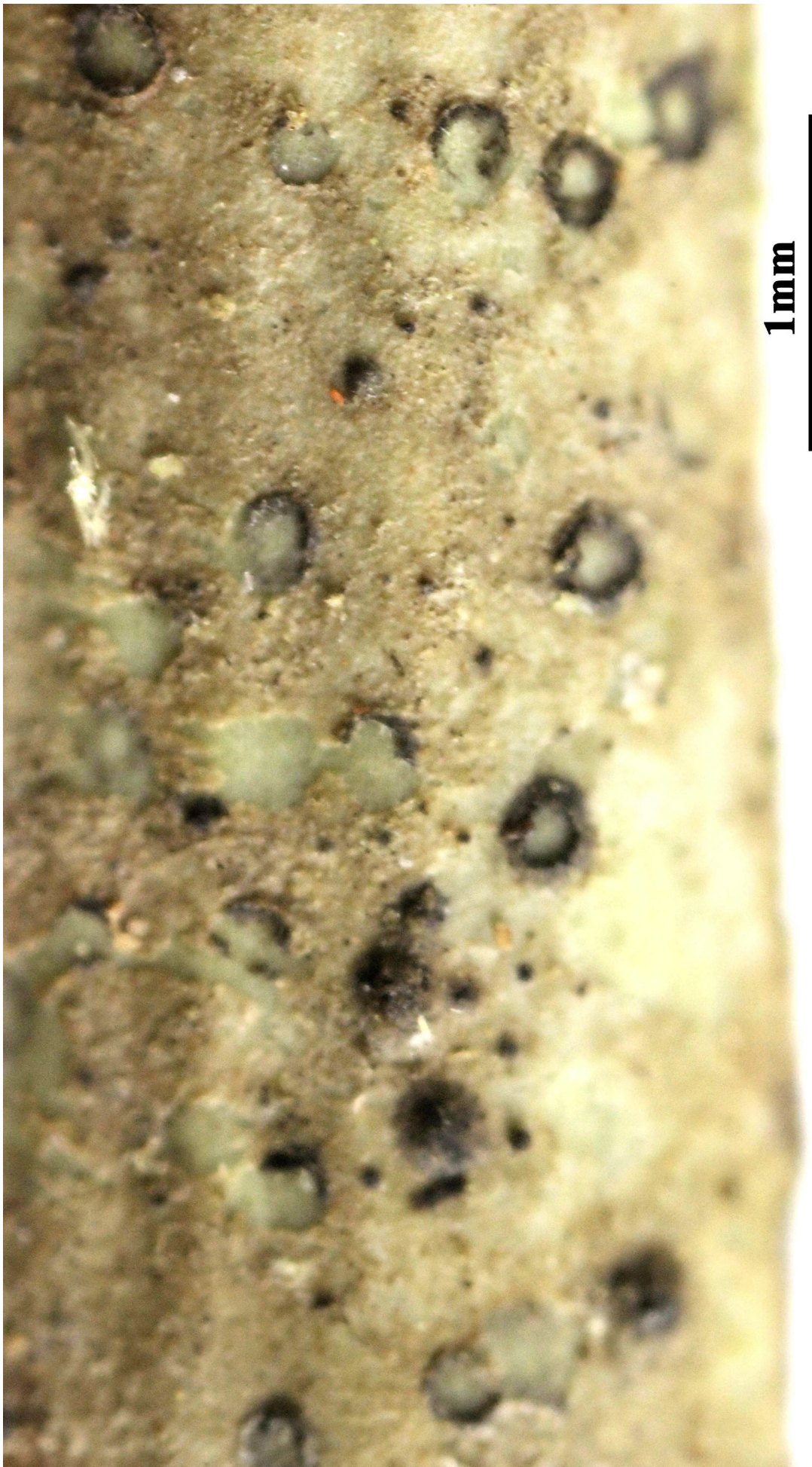
Illosporium carneum



Illosporium carneum

Keratosphaera antoniniana Flakus, Farkas & Lücking [as 'antoniana'],
Acta Bot. Hung. 52(3-4): 333 (2010)

[FA14], Bolivia. Dept. Santa Cruz. Prov. Guarayo, Plan de Manejo AISU, Reserva de Vida Silvestre Rios Blanco y Negro, lowland Amazon forest. On palm leaf. Lat.: 15°01'49" S; Long.: 62°46'36" W; 236 m. Leg. A. Flakus (nr. 14291) and P. Rodriguez, 35.7.2009, det. A. Flakus, E. Farkas and R. Lücking. EX E. FARKAS LICHENES DELICATI NR. 14.



Keratosphaera antoniniana



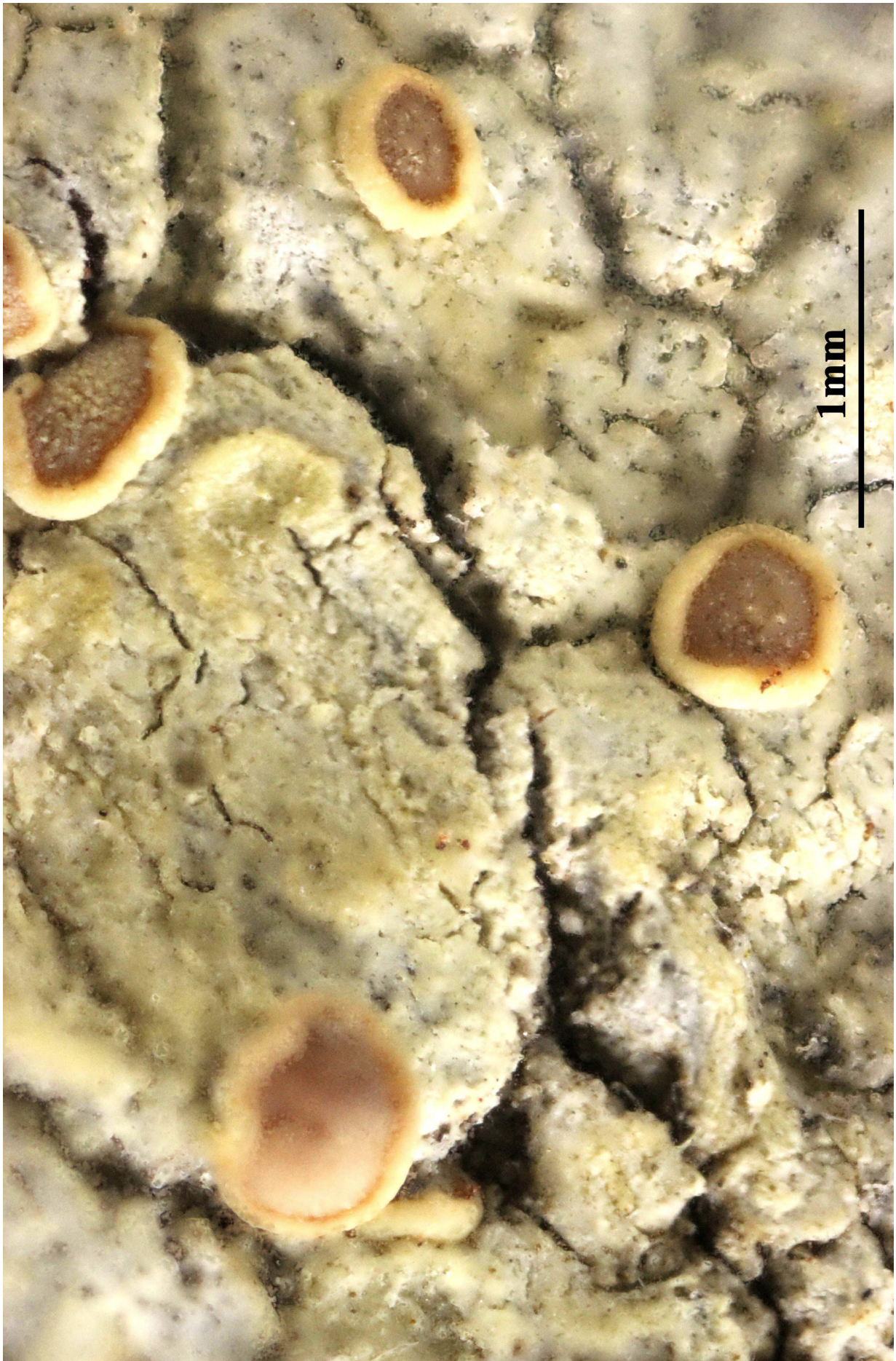
Keratosphaera antoniniana

Lecanora flavopallida Stirt., J. Linn. Soc., Bot. 14(no. 78): 463 (1875)

[FA23], Tasmania. Tasman Peninsula, Devils Kitchen. Corticolous on *Exocarpos cupressiforme* in coastal scrub, 40 m. Lat.: 43°03' S; Long.: 147°57'. Leg. G. Kantvilas (nr. 92/10), 16.6.2010, det. G. Kantvilas. EX E. FARKAS LICHENES DELICATI NR- 23.



Lecanora flavopallida



Lecanora flavopallida

Lecidea huxariensis (Beckh. ex J. Lahm) Zahlbr., Annln K. K. naturh.
Hofmus. Wien 13: 463 (1925)
= *Biatora huxariensis* Beckh. ex J. Lahm 1885

[FA24], Czech Republic. Southern Bohemia. Šumava Mts, Želtnava, NE
of the village. pasture at W-facing slope on the right bank of Stary potok
brooklet, on elaborated wood of fence, 795 m. Lat.: 48°48'54.5" N;
Long.: 13°58'22.5" E. Leg. J. Maliček et Z. Palice (nr. 13574),
23.5.2010, det. Z. Palice. EX E. FARKAS LICHENES DELICATI NR. 24.



Lecidea huxariensis



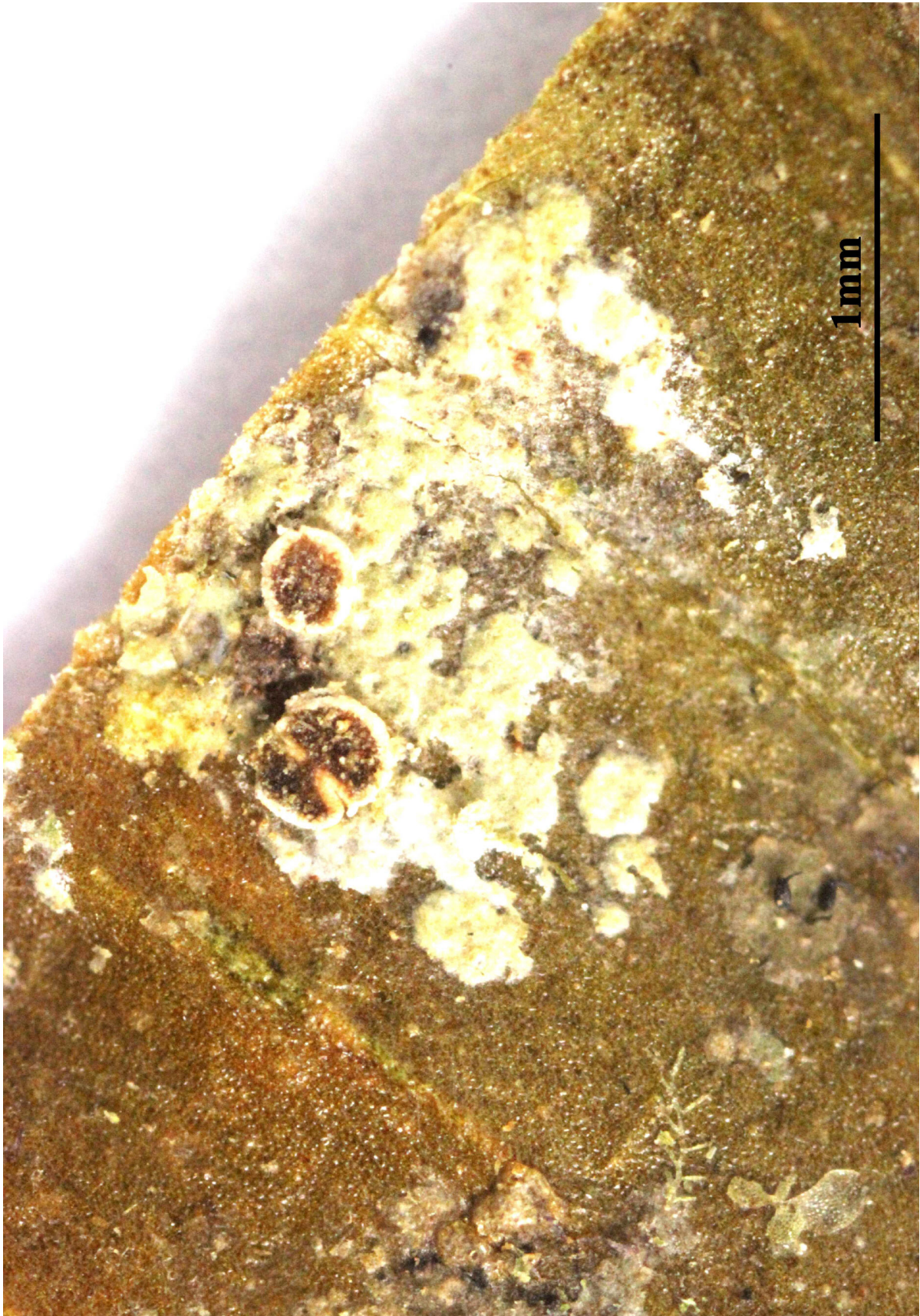
Lecidea huxariensis

Loflammia epiphylla (Fée) Lücking & Vězda, in Lücking, Phytot, Horn
39(1): 141 (1999)
= *Lecanora epiphylla* Fée 1825

[FA], Costa Rica. Cartago Province. Guayabo national monument,
about 40 km E of San José near Turrialba, SE slope of Turrialba
volcano, Cordillera Central, montane rainforest zone, primary forest on
step trail down to the Rio Guayabo. On leaves. Lat.: 09°59' N; Long.:
83°43' W. Leg. R. Lücking (nr. 2191), 5.1992, det. R. Lücking. EX E.
FARKAS LICHENES DELICATI NR. 08.



Loflammia epiphylla



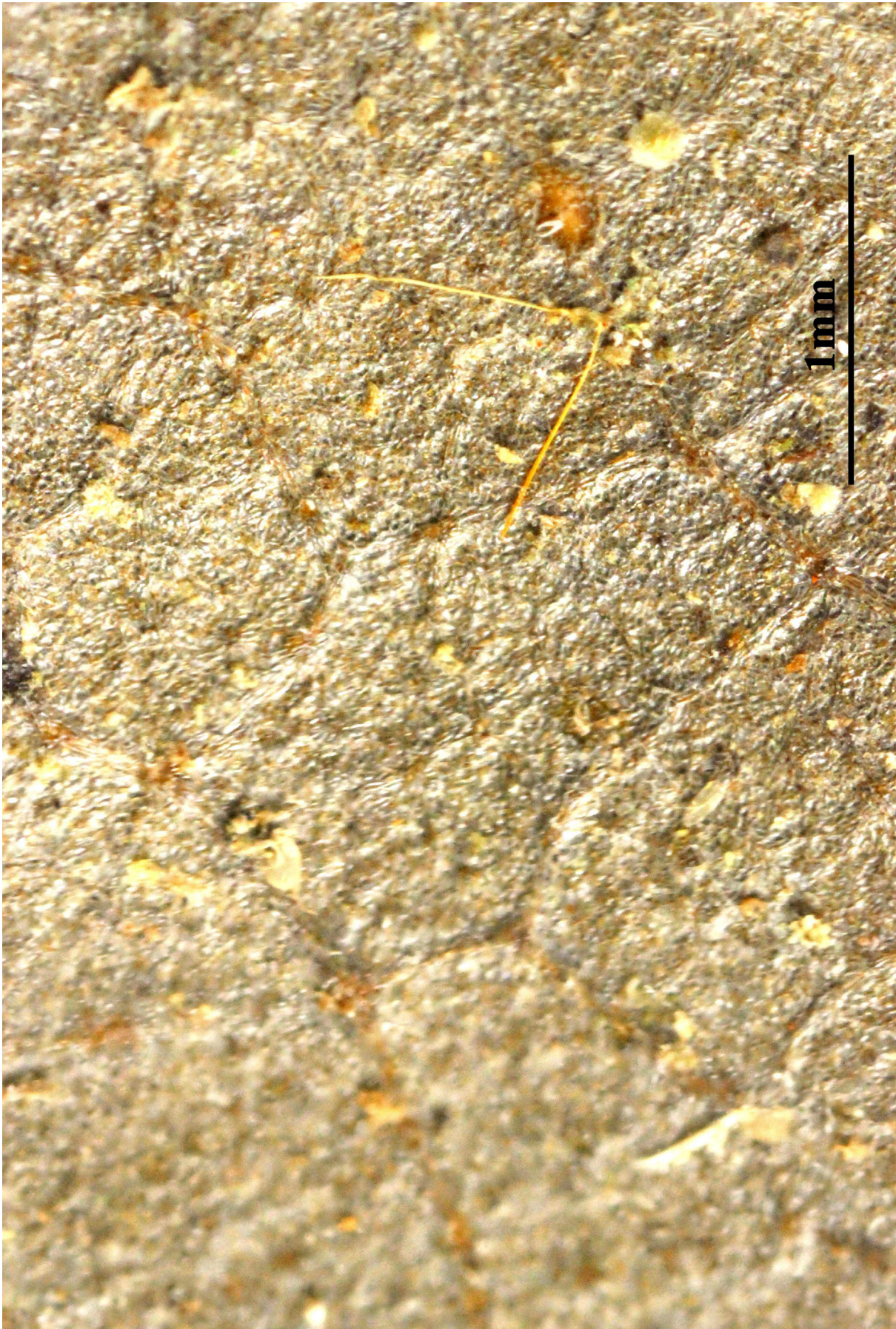
Loflammia epiphylla

Lyromma dolichobellum Cavalc. [as 'dolicobelum'], Publicações. Instituto de Micologia da Universidade de Pernambuco 647: 39 (1972)

[FA55], Bolivia. Dept. Pando, Prov. Frederico Roman, near Santa Cruzito, blackwater-flooded Amazon forest (Igapó) of east Pando Folii-colous, 149 m. Lat.: 10°43'0.3" S; Long.: 65°55'05" W. Leg. A. Flakus (nr. 7107), 1.6.2006, det. A. Flakus.- (cf. Flakus and Farkas (2013) in Mycotaxon124. - EX E. FARKAS LICHENES DELICATI NR. 55.



Lyromma dolichobellum



Lyromma dolichobellum

Megaloblastenia marginiflexa (Hook. f. & Taylor) Sipman, Biblioth.
Lichenol. 18: 89 (1983)
= *Lecidea marginiflexa* Hook. f. & Taylor 1844

[FA26], Tasmania. Sandsplit River. Corticolous on *Pomaderris apetala*
in wet eucalypt forest, 170 m. Lat.: 42°43' S; Long.: 147°51' E. Legt. G.
Kantvilas (nr. 98/10), 15.6.2010, det. G. Kantvilas. EX E. FARKAS
LICHENES DELICATI NR.26.



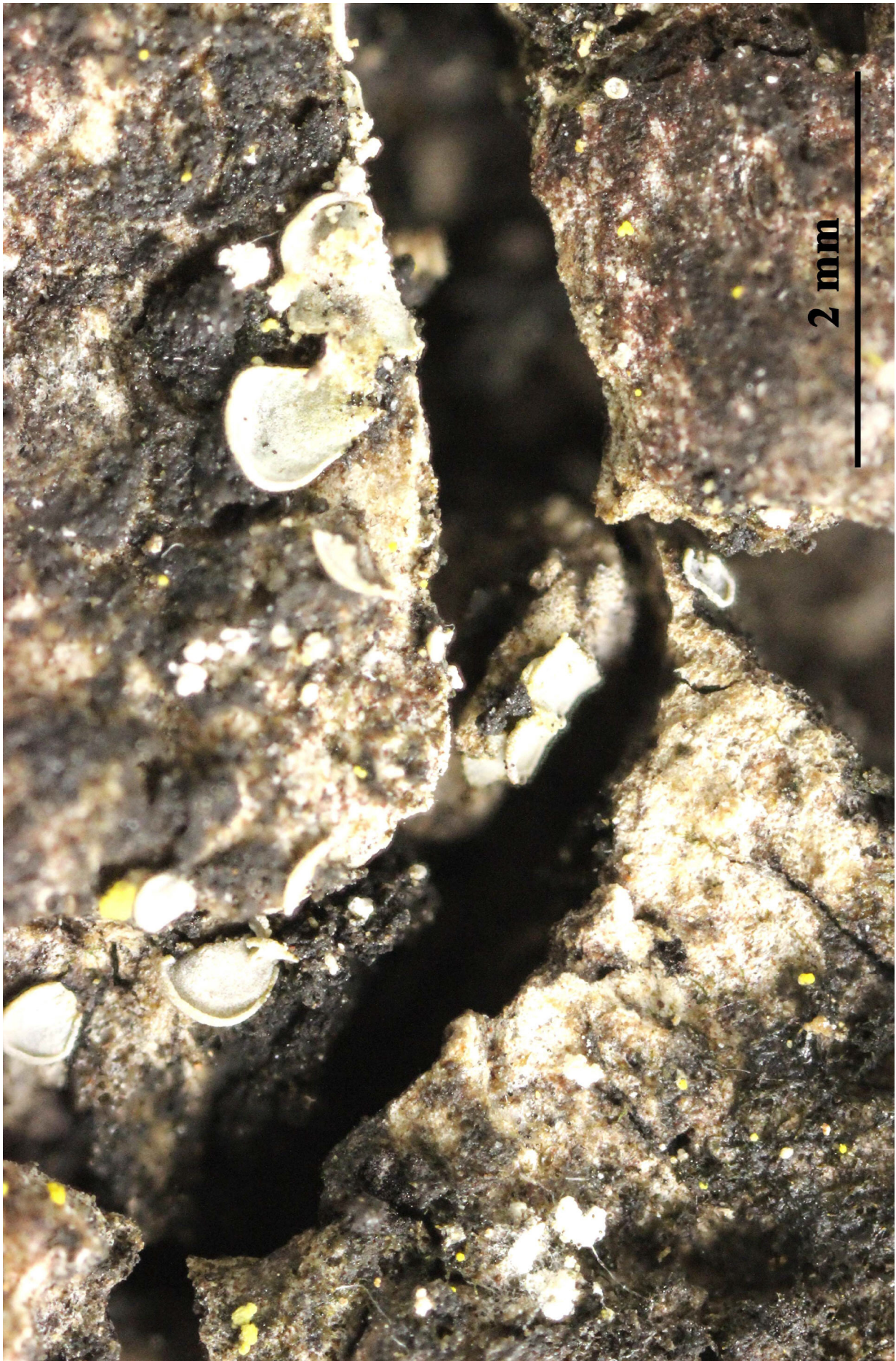
Megaloblastenia marginiflexa



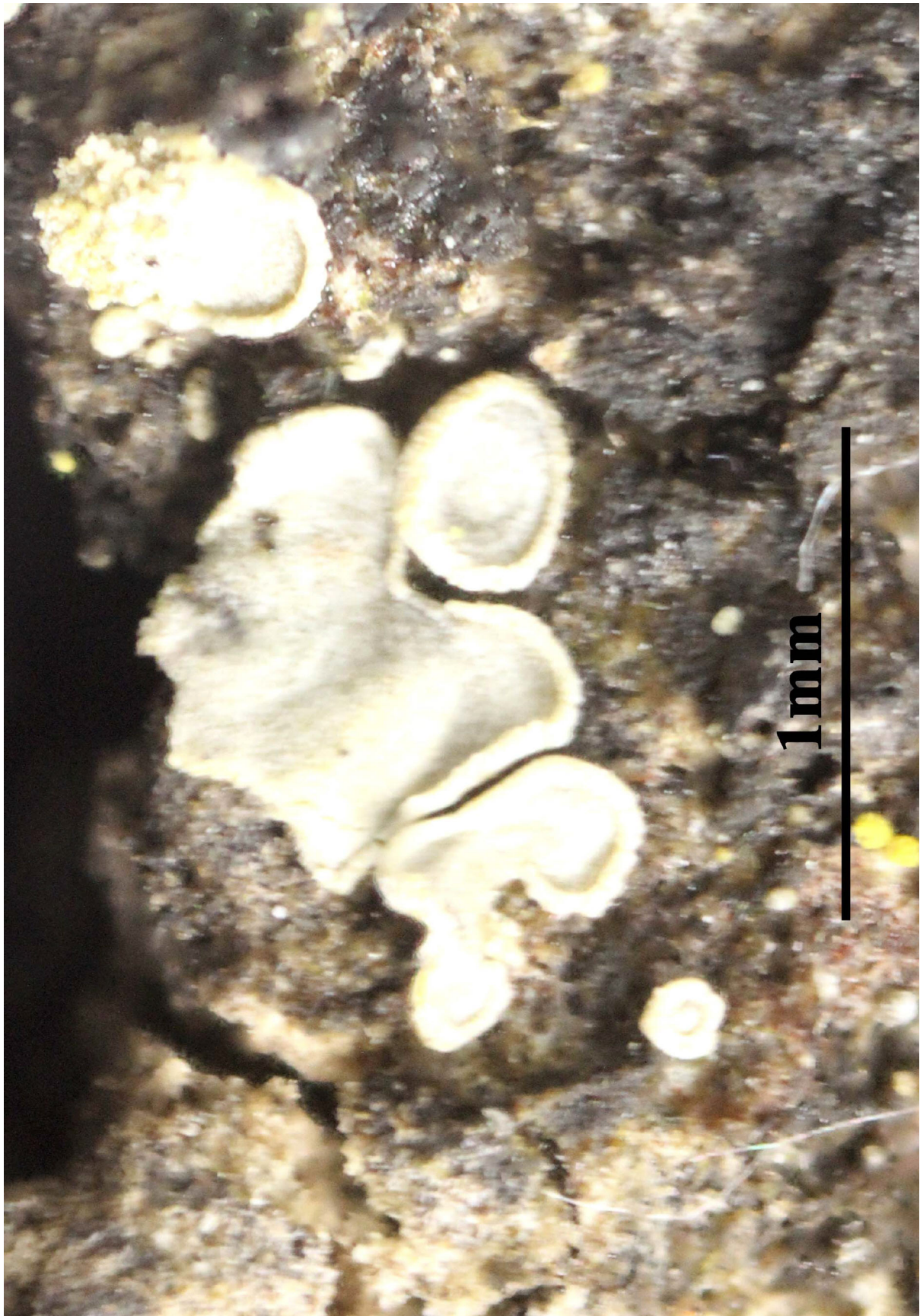
Megaloblastenia marginiflexa

Normandina pulchella (Borrer) Nyl., Annls Sci. Nat., Bot., sér. 4 15: 382
(1861)
= *Verrucaria pulchella* Borrer 1831

[FA56], Montenegro. Podgorica Municipality, ca. 7.8 km SE of Tuzi,
near the Montenegro-Albania border. On bark (*Phyllirea latifolia*). Lat.:
42°19'23.9" N; Long.: 14°38'25.3" E; 35 m. Leg. L. Lökös, 8.10.2012,
det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 56.



Normandina pulchella



Normandina pulchella

Ocellularia sorediigera Kalb, Herzogia 22: 39 (2009)

[FA09], Brazil, Sergipe, a few km SE of Capela, ca. 85 km ENE of Aracaju, "Mata do Junco", in a tropical rainforest (Mata Atlantica). Coticolous. Lat.: 10°31'49" S, Long.: 37°03'33" W, 185 m. Leg. M. Cáceres & K. Kalb, 19.04.2010. det. K. Kalb. - Protocetraric acid present (TLC K. Kalb, 2010). - EX E. FARKAS LICHENES DELICATI NR 09.



Ocellularia sorediigera



Ocellularia sorediigera

Opegrapha filicina Mont., in Sagra, Hist. phys. Cuba, Bot. Pl. Cell. 9: 122 (1845)

= *Fouragea filicina* (Mont.) Trevis., Rc. Ist. Lomb., Milano, ser. 2 13: 67 (1880)

[FA10], Brazil. Estado São Paulo, Ilhabela, Parque Municipal de Natureza, in humid, submontane rainforest. On leaves, 350 m. Leg. A. Borhidi (nr. BB29), 15.2.1995, det E. Farkas and A. Flakus. EX E. FARKAS LICHENES DELICATI NR. 10.



Opegrapha filicina

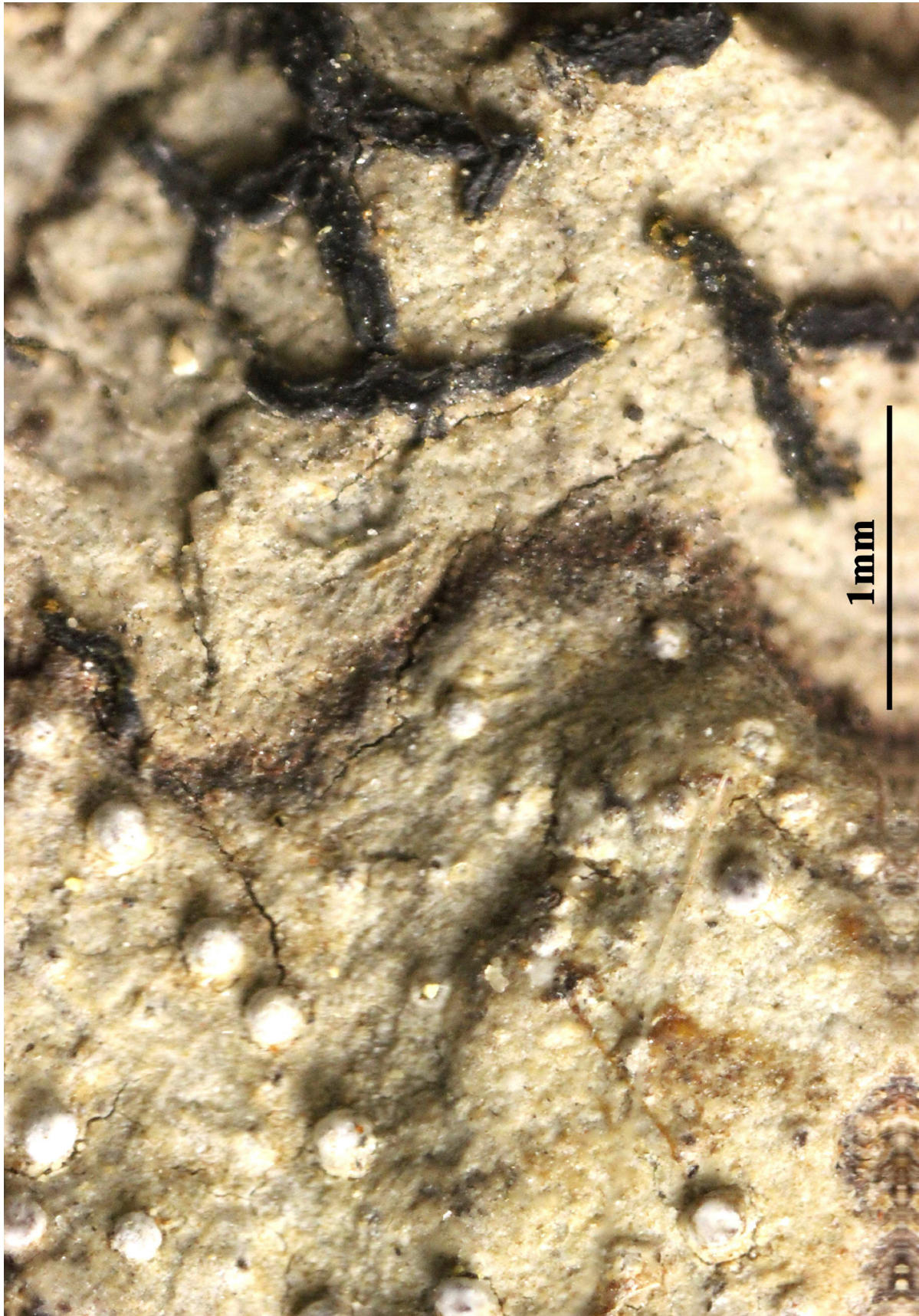


Opegrapha filicina

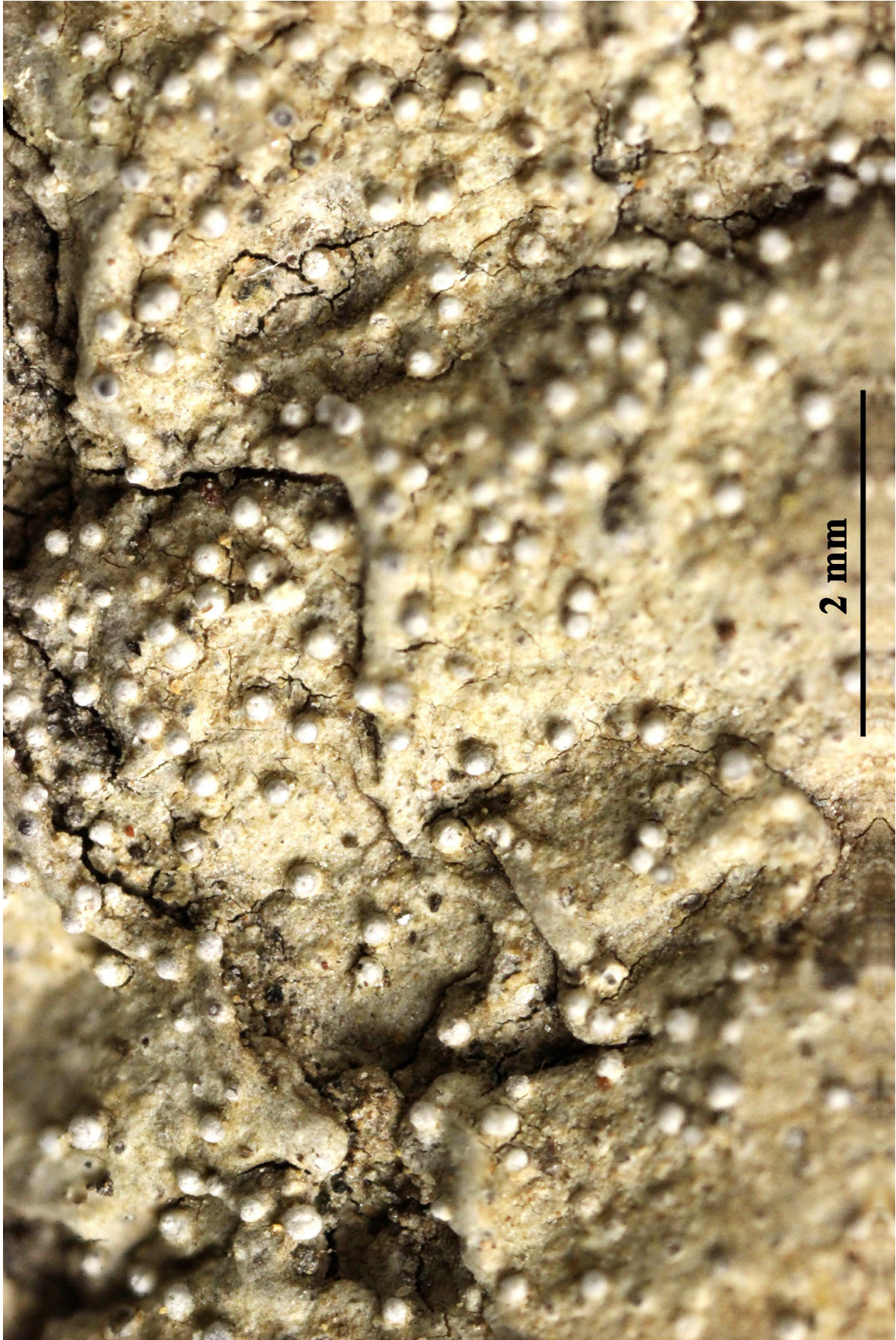
Opegrapha vermicellifera (J. Kunze) J.R. Laundon, Lichenologist 2: 139
(1963)

= *Pyrenotea vermicellifera* J. Kunze 1823

[FA27], Bulgaria, Strandzha Mts. Goljam Mechi dol in Vitanova reserve near Malko Turnovo town, on bark (*Acer campestre*), 350 m. Lat.: 42°00'09.8" N; Long.: 27°26'36.3" W. Leg. L. Lökös, 9.6.2009, det. E. Farkas et L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 27.



Opegrapha vermicellifera



Opegrapha vermicellifera

Opegrapha vermicellifera (J. Kunze) J.R. Laundon, Lichenologist 2: 139 (1963)
= *Pyrenotea vermicellifera* J. Kunze 1823

[4209]. Germany, Baden-Württemberg, Kreis Schwäbisch Gmünd, im Beutenbachtal bei der Beutenmühle ca. 3 km südöstlich von Lorch, ca 310 m, an Quercus. Leg. et det. F. Schumm 29.05.1995 - Sporen sehr schmal; 22,1x2,5 µ, mit meist 5 Septen; Paraphysen verzweigt; Excipulum geschlossen; Hypothecium braun; Trentepohlia-Gonidien. Ex Herbario F. Schumm Nr, 4209.

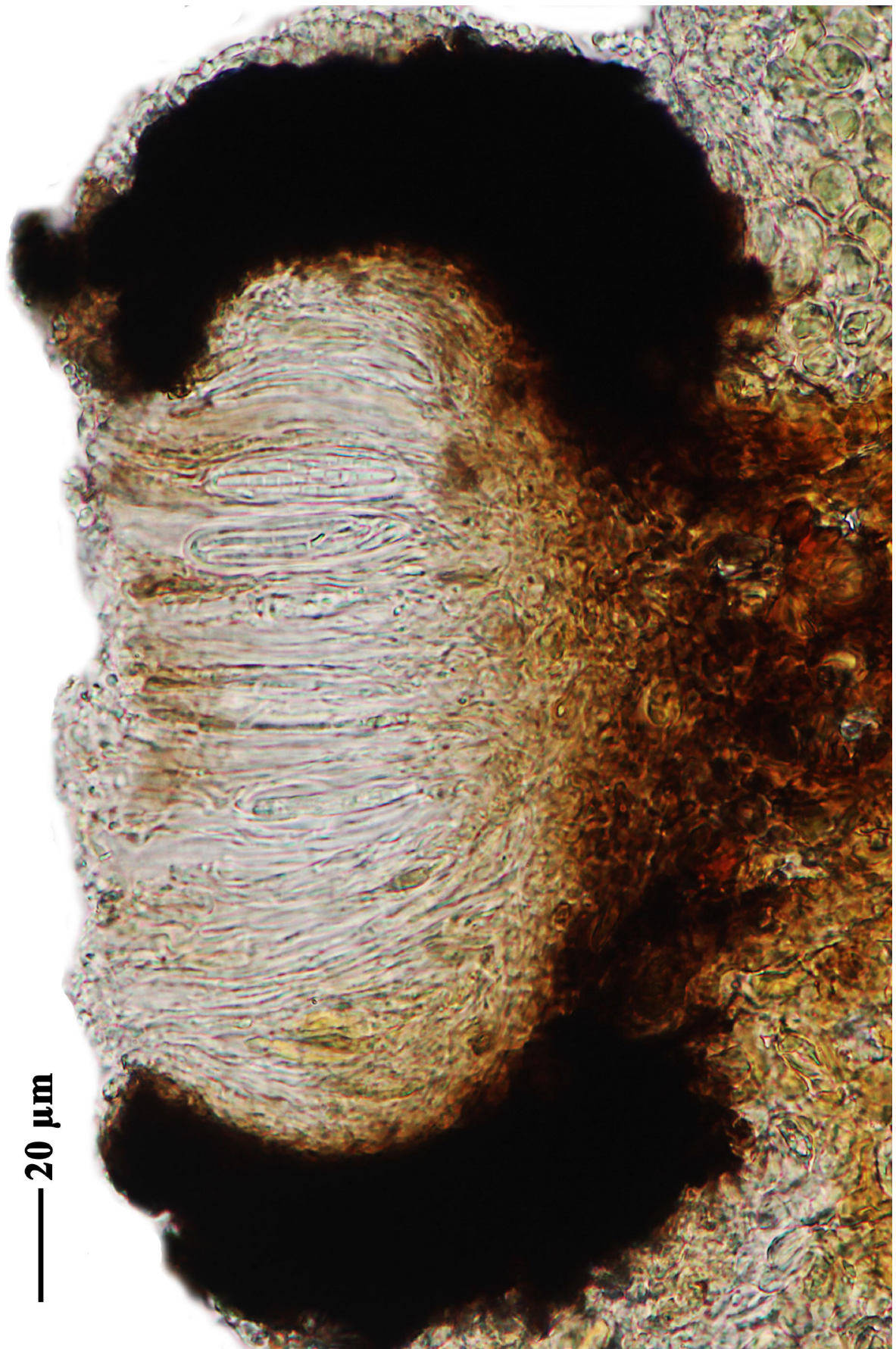
Thallus crustose, thin, smooth or finely rimose, grey to almost white, the fertile form grey-ochre, the sterile form more whitish, forming up to 12 cm wide patches. Apothecia lirelliform, confined to restricted areas on the thallus, (0.3-)0.6-1.5(-2.5) x 0.1-0.3 mm, most often simple and isolated, rarely furcate or stellate and arranged in small clusters, half immersed, with a slit-like to slightly expanded disc and a black to slightly grey-pruinose proper margin. Proper exciple black, carbonized, extending below the hymenium, 28–40 µm thick laterally, 40-50 µm thick at base, K-; epithecium brown; hymenium colourless, 50-60 µm high, I+ yellowish; paraphysoids branched and anastomosing, c. 1 µm thick, the apical cells hardly swollen; subhymenium brownish, 10-15 µm high. Asci 8-spored, cylindrical-clavate, the inner layer of the endoascus amyloid throughout, the apical ring hardly visible, Vulgata-type, 40-50 x 12-15 µm. Ascospores 4-7-septate, hyaline, markedly elongate with pointed ends, 15-25(-30) x 3-4(-5) µm, surrounded by a c. 1 µm thick gelatinous perispore. Pycnidia often abundant (in sterile forms), 0.15-0.25 mm in diam., regularly distributed, at first immersed and appearing as pale brown punctiform ostioles, later prominent, appearing as white-pruinose, subglobose, up to 0.4 mm tall warts, the wall K-, N-. Conidia bacilliform, straight or slightly curved, hyaline, 3-7 x 1-1.5 µm. Spot tests: K-, C-, KC-, P-, UV-. Chemistry: without lichen substances. - Note: a mild-temperate lichen found on old trees in humid areas, especially near large rivers, on faces seldom wetted by rain.



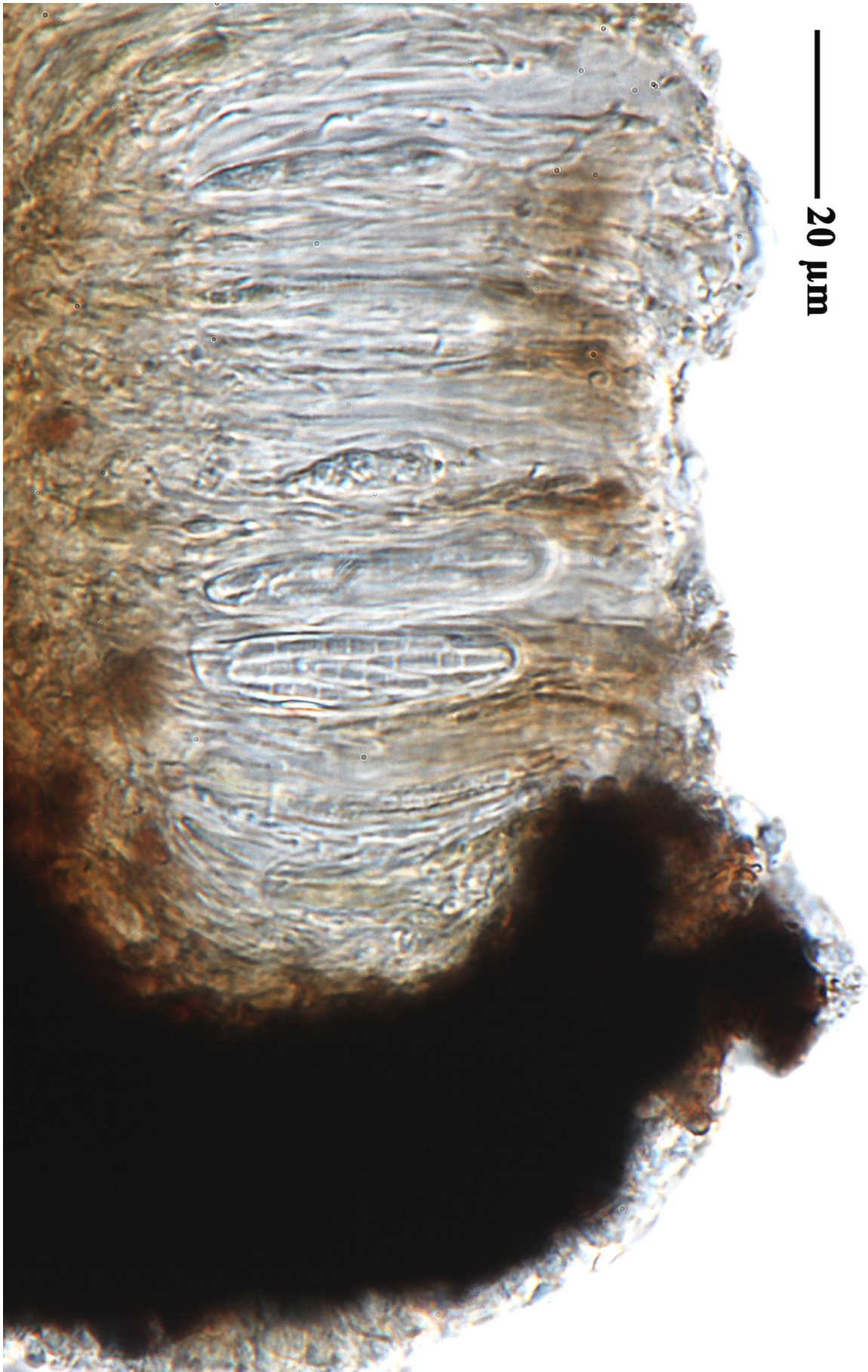
Opegrapha vermicellifera



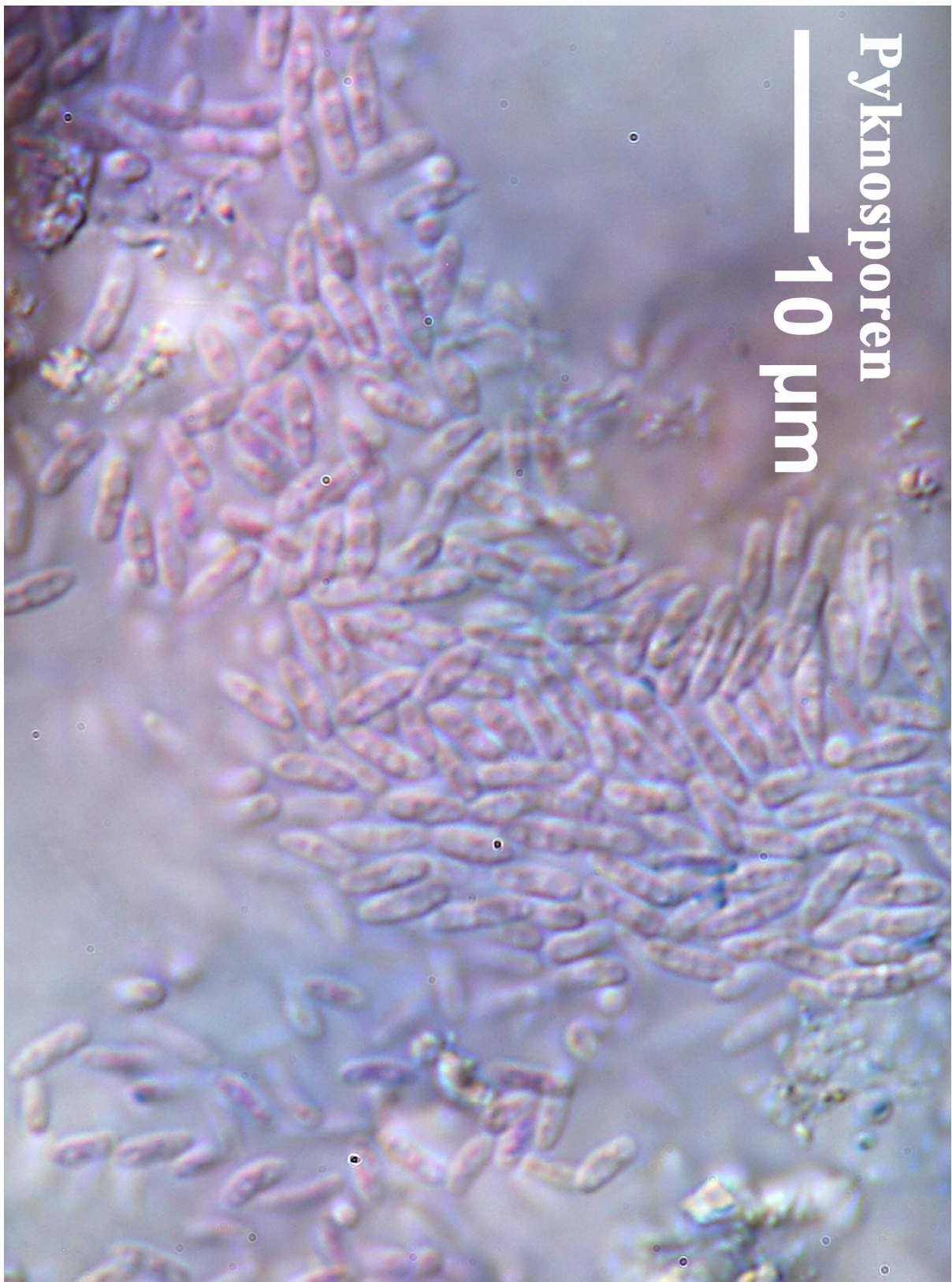
Opegrapha vermicellifera



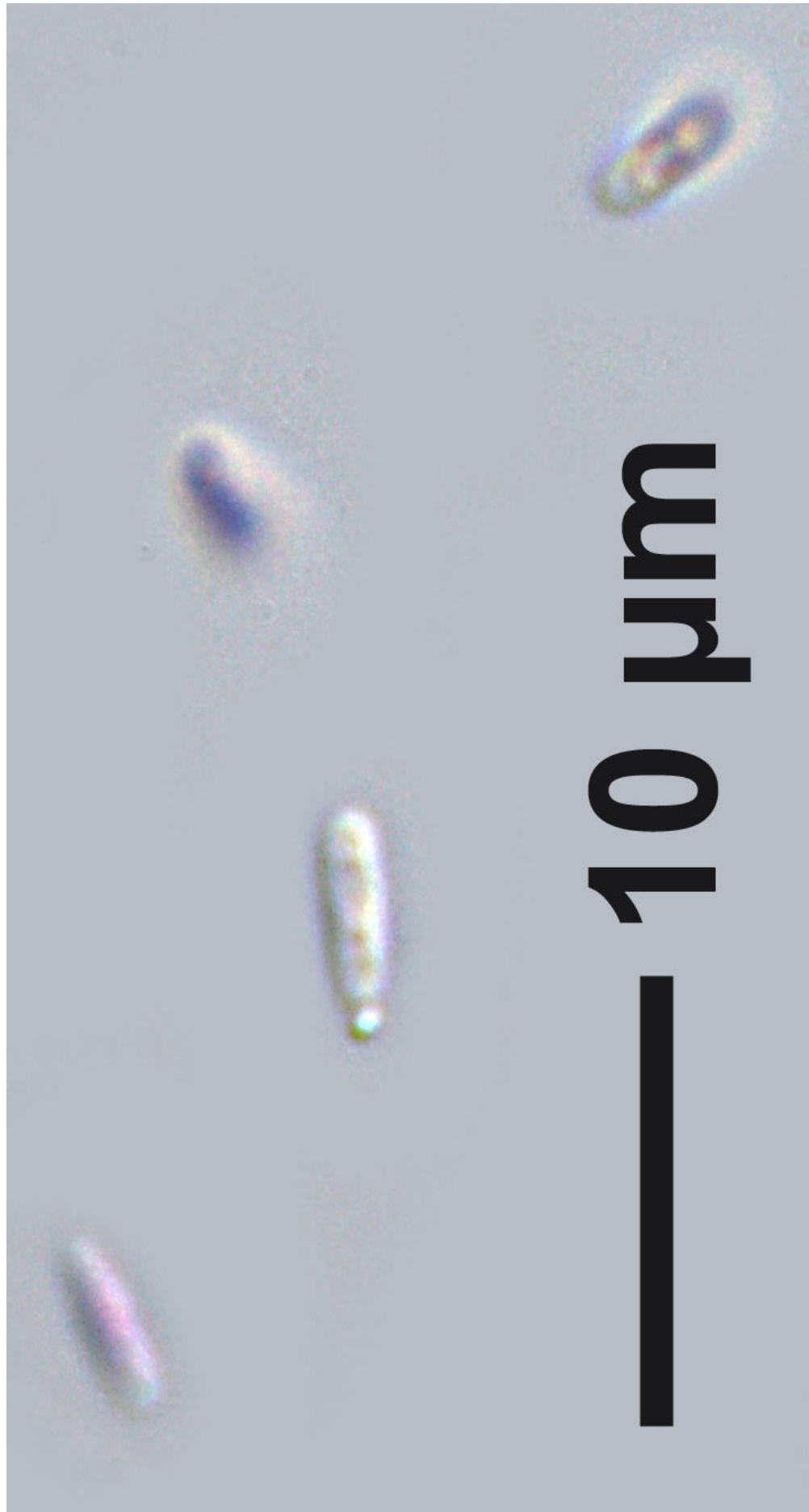
Opegrapha vermicellifera



Opegrapha vermicellifera



Opegrapha vermicellifera



Opegrapha vermicellifera

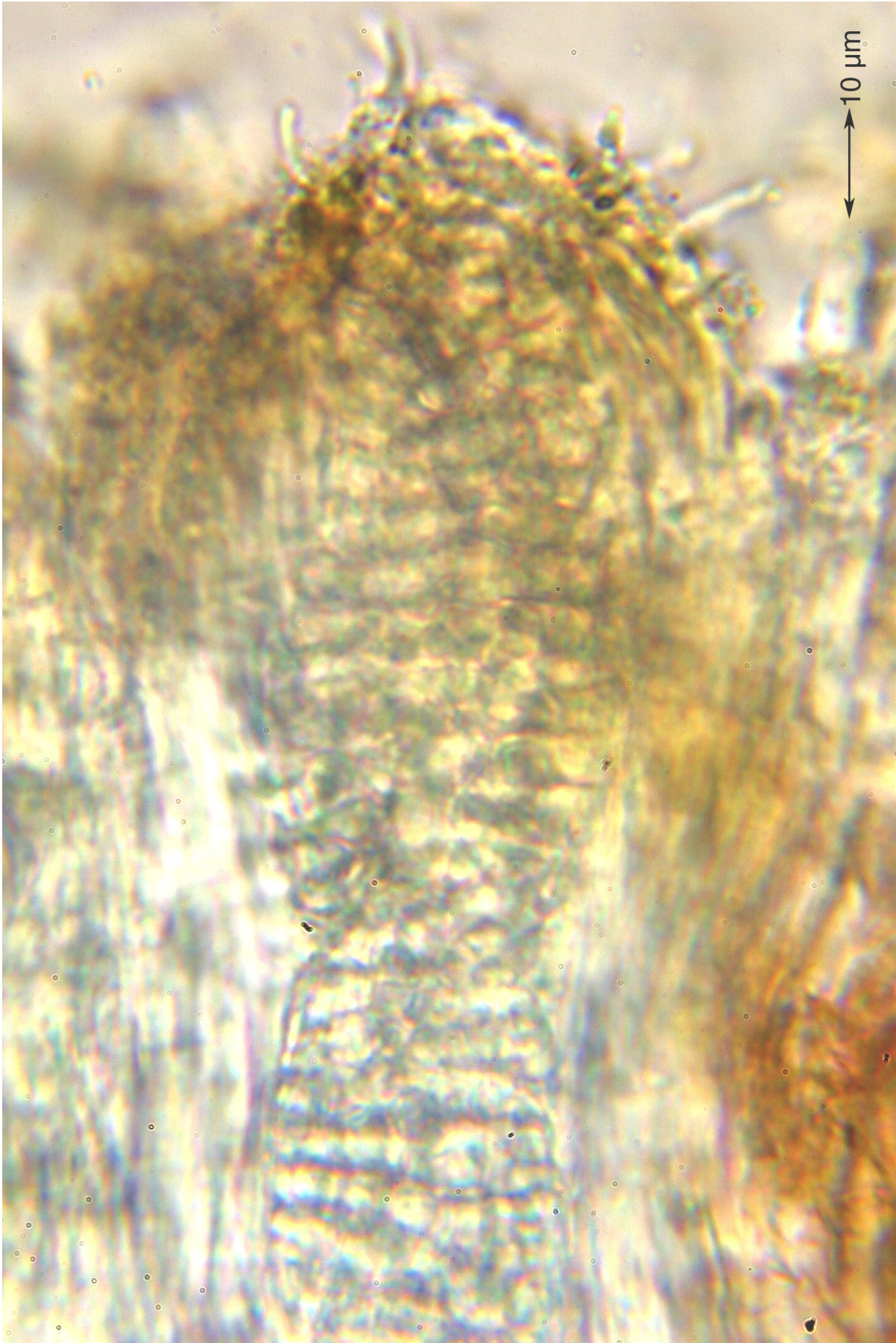
Phlyctis agelaea (Ach.) Flot., Bot. Ztg. 8: 574 (1850)
= *Lichen agelaeus* Ach. 1799

[8533], PORTUGAL, MADEIRA: Ribeiro Frio, unmittelbar an der Straße oberhalb des Rastplatzes, Nordhang mit Lorbeerwald, N 32°44.072, W 16°53.230, 903 m. Leg. F. Schumm 14.04.2001, det F. Schumm 01.2008. - Sporen muriform, ca. 9 Quersepten, in der Mitte mit ca. 2-3 Längssepten, an einem Ende zugespitzt, zu ca. 4, hyalin, alt grau. Th K+ rot (Norstictinsäurenadeln), C-, KC+rot, P+rot, UVL: blass gelblichweiß. Ex Herbarium F. Schumm Nr.8533.

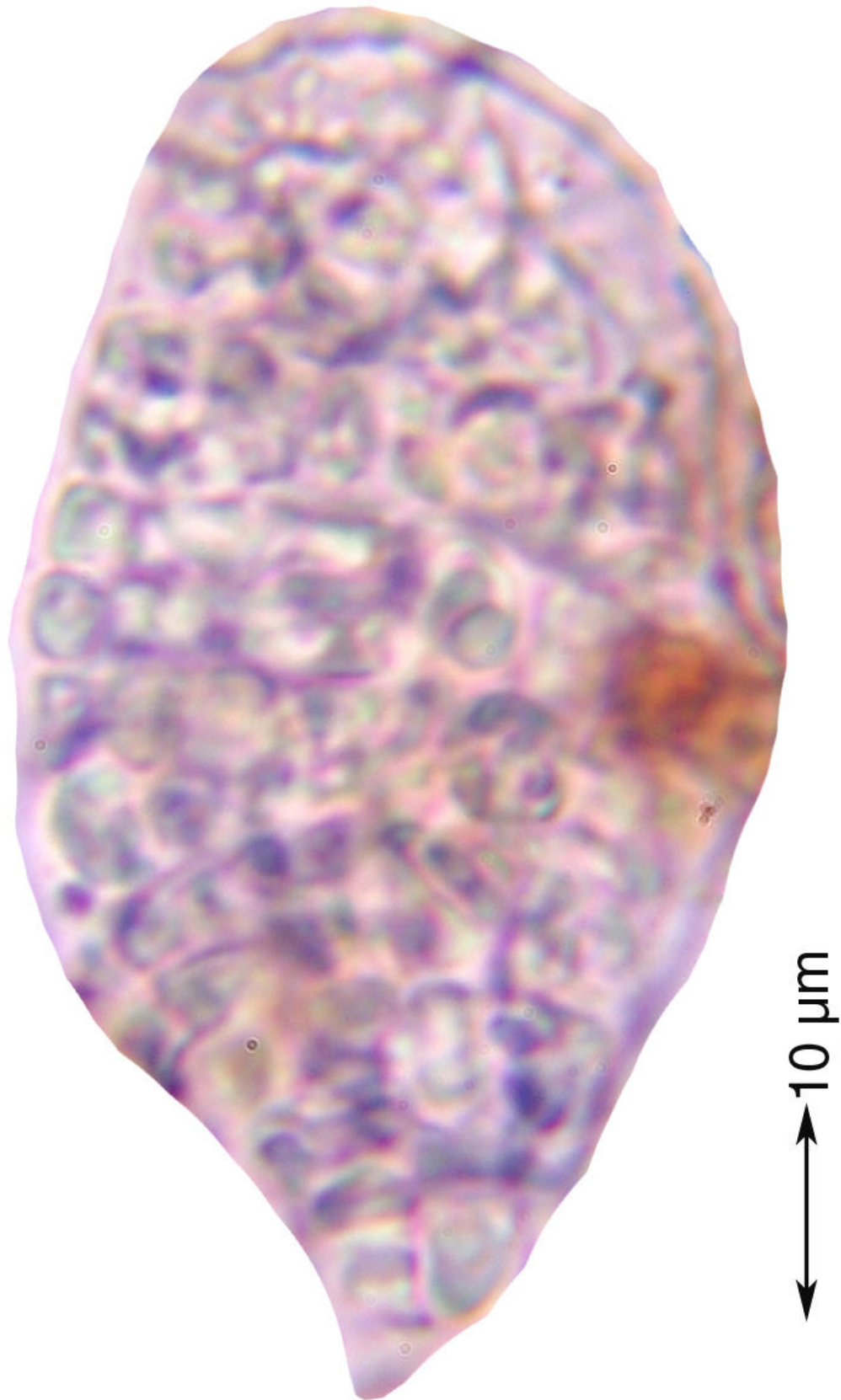
Thallus crustose, ecorticate, thinly episubstratic, continuous or more or less cracked or verrucose, white to grey-white, forming up to 5(-12) cm wide patches delimited by a white prothalline line. Apothecia deeply immersed, clustered by 2-4 at the center of flattened, irregular, powdery or granular, 0.2-0.5(-1) mm wide thalline warts which are usually mistaken for soralia; disc concave to flat, brown-grey to reddish brown, but covered by the granular warts; thalline margin white-granular. Proper exciple thin, grey, I+ pale blue, usually obscured by the thalline exciple; epithecium colourless to brownish, strongly granular; hymenium colourless, K/I+ blue; paraphyses simple or sparingly branched in upper part, not capitate, c. 1.5 µm wide at base, c. 2.5 µm at apex; hypothecium pale brown. Asci 2(-4)-spored, broadly clavate, thin-walled, not strongly thickened at apex, the outer wall K/I+ blue, the tholus I+ weakly blue. Ascospores strongly muriform, hyaline to finally yellow-brown, broadly ellipsoid, clearly apiculate, (35-)45-80(-85) x (12-)14-30(-35) µm, with a thin, I+ blue wall and a very thin perispore. Pycnidia immersed, black. Conidia simple, ellipsoid, straight to rarely curved, 6-8 x 3-4 µm. Photobiont chlorococcoid. Spot tests: K+ yellow then slowly blood-red (needle-like crystals), C-, KC+ reddish, P+ yellow then orange-red, UV-. Chemistry: norstictic acid. - Note: a mild-temperate to Mediterranean lichen found on acid-barked trees (especially *Quercus ilex*) in slightly sheltered but not very shaded situations; most frequent in Tyrrhenian Italy, much rarer in Northern Italy and along the eastern side of the Peninsula.



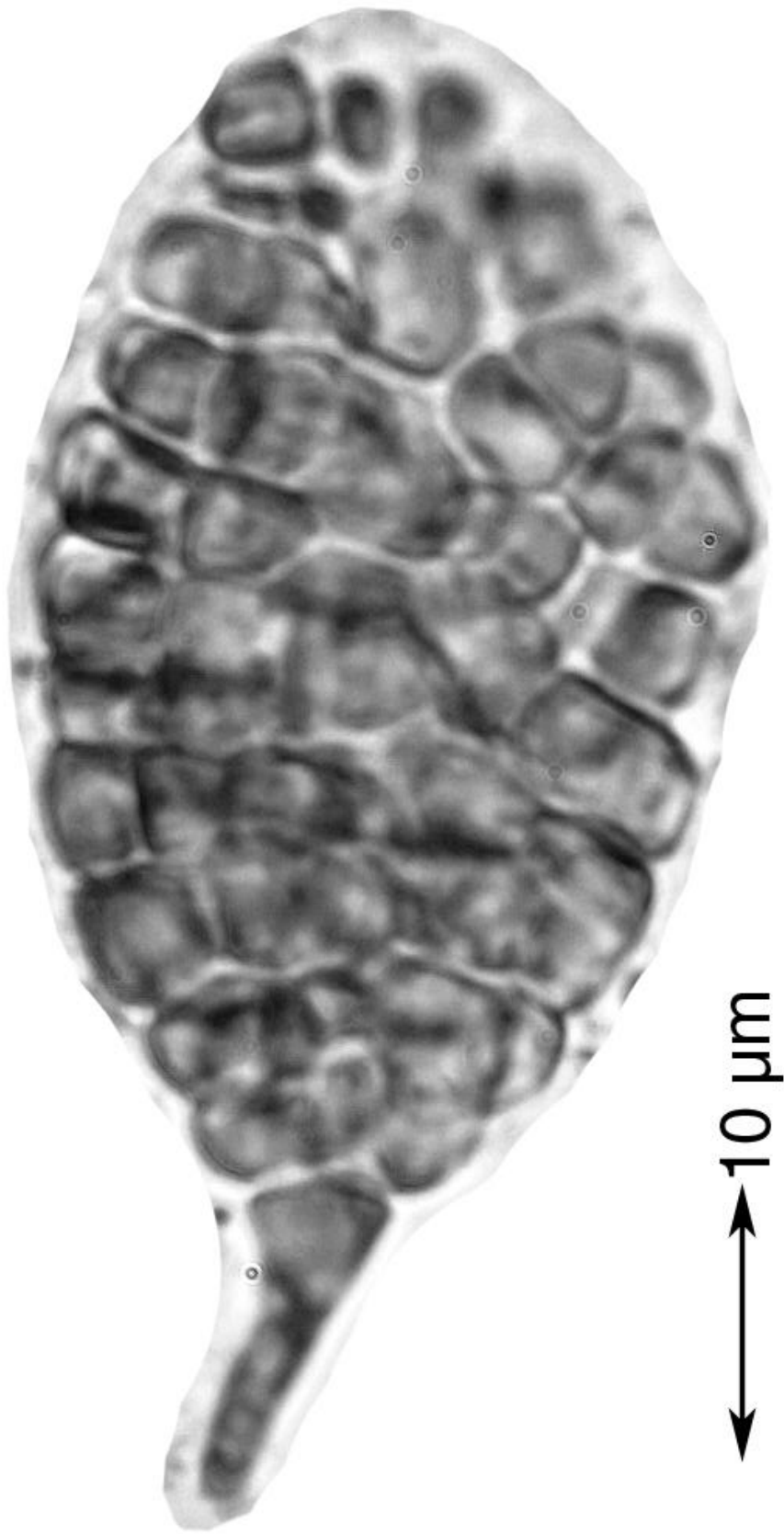
Phlyctis agelaea



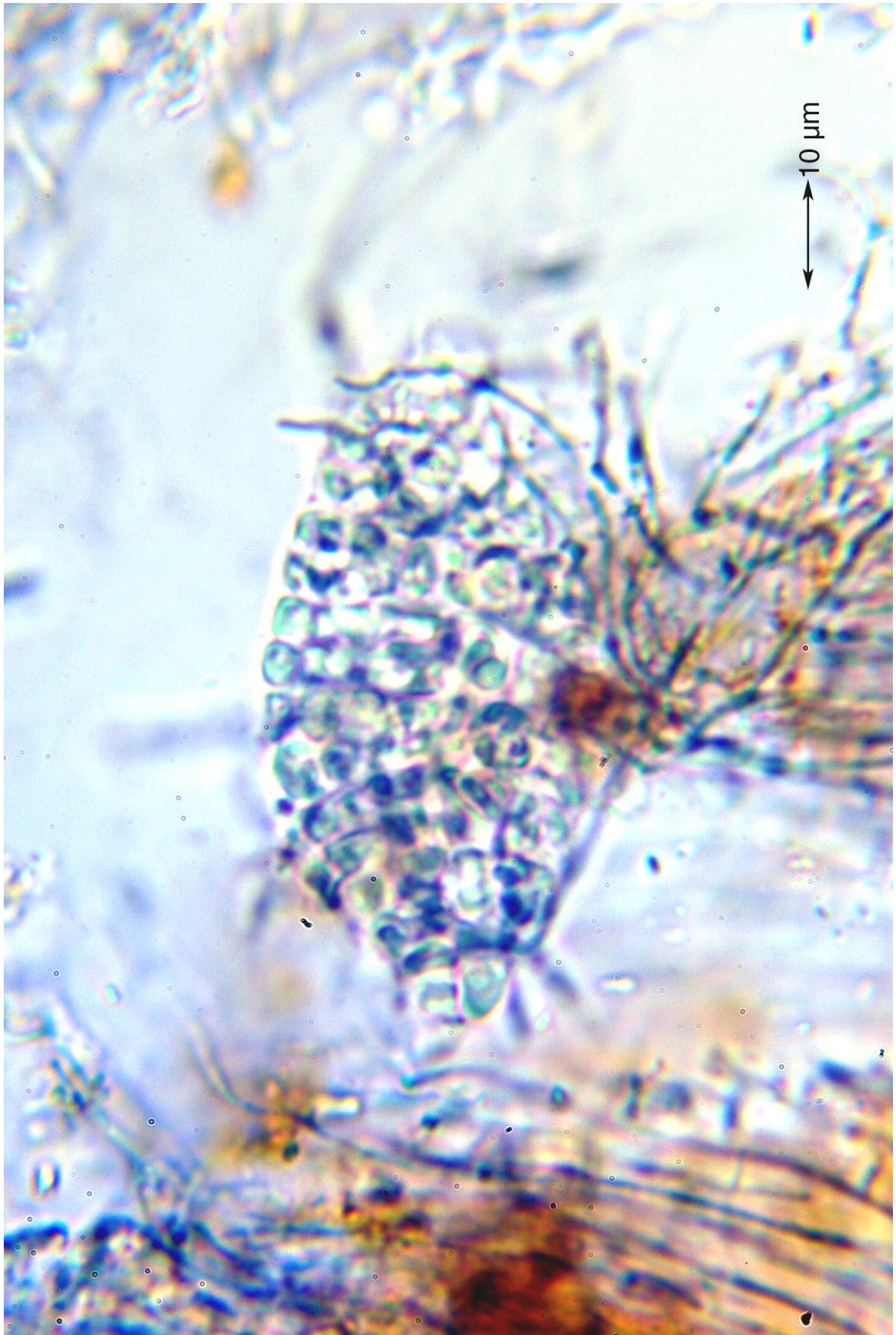
Phlyctis agelaea



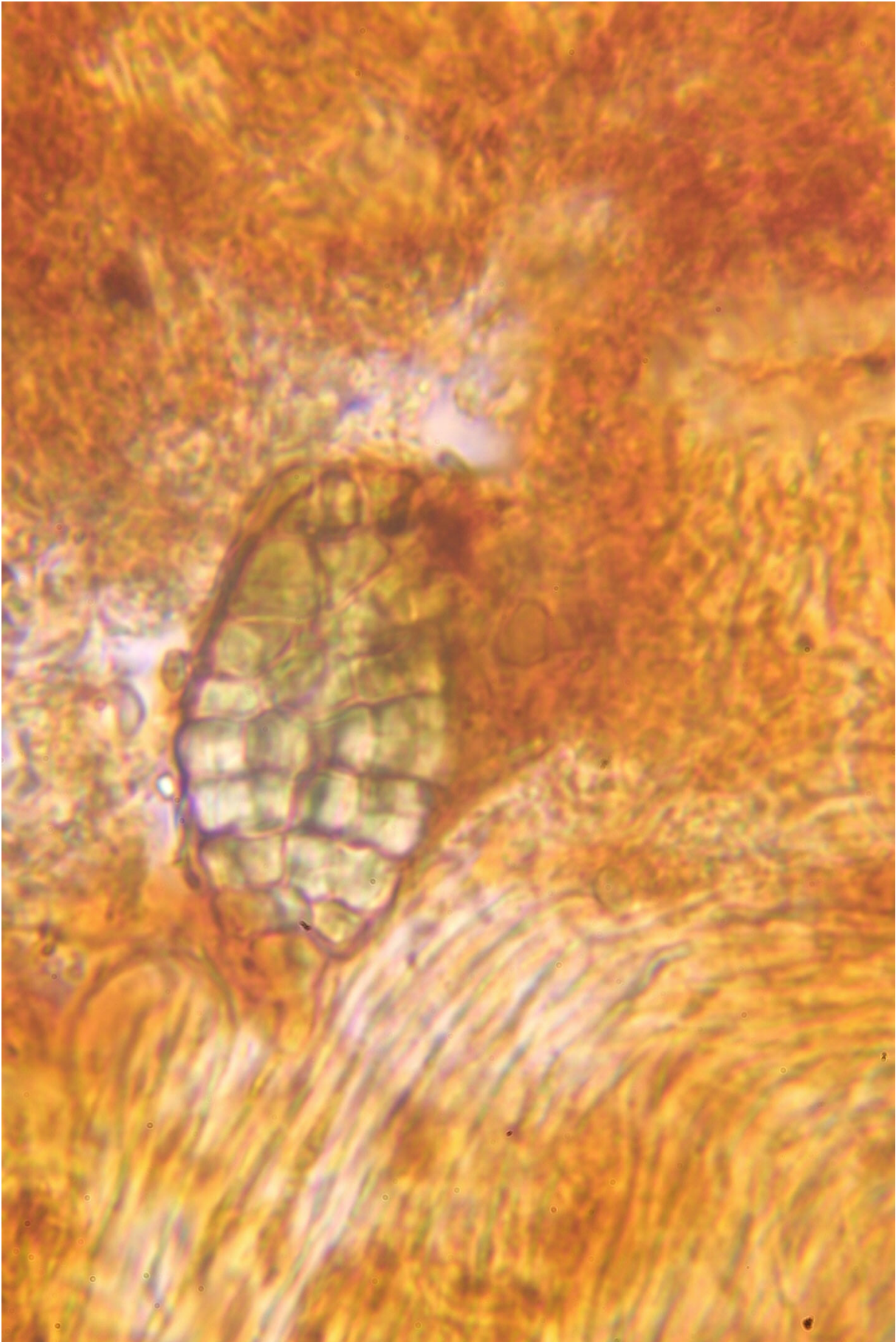
Phlyctis agelaea



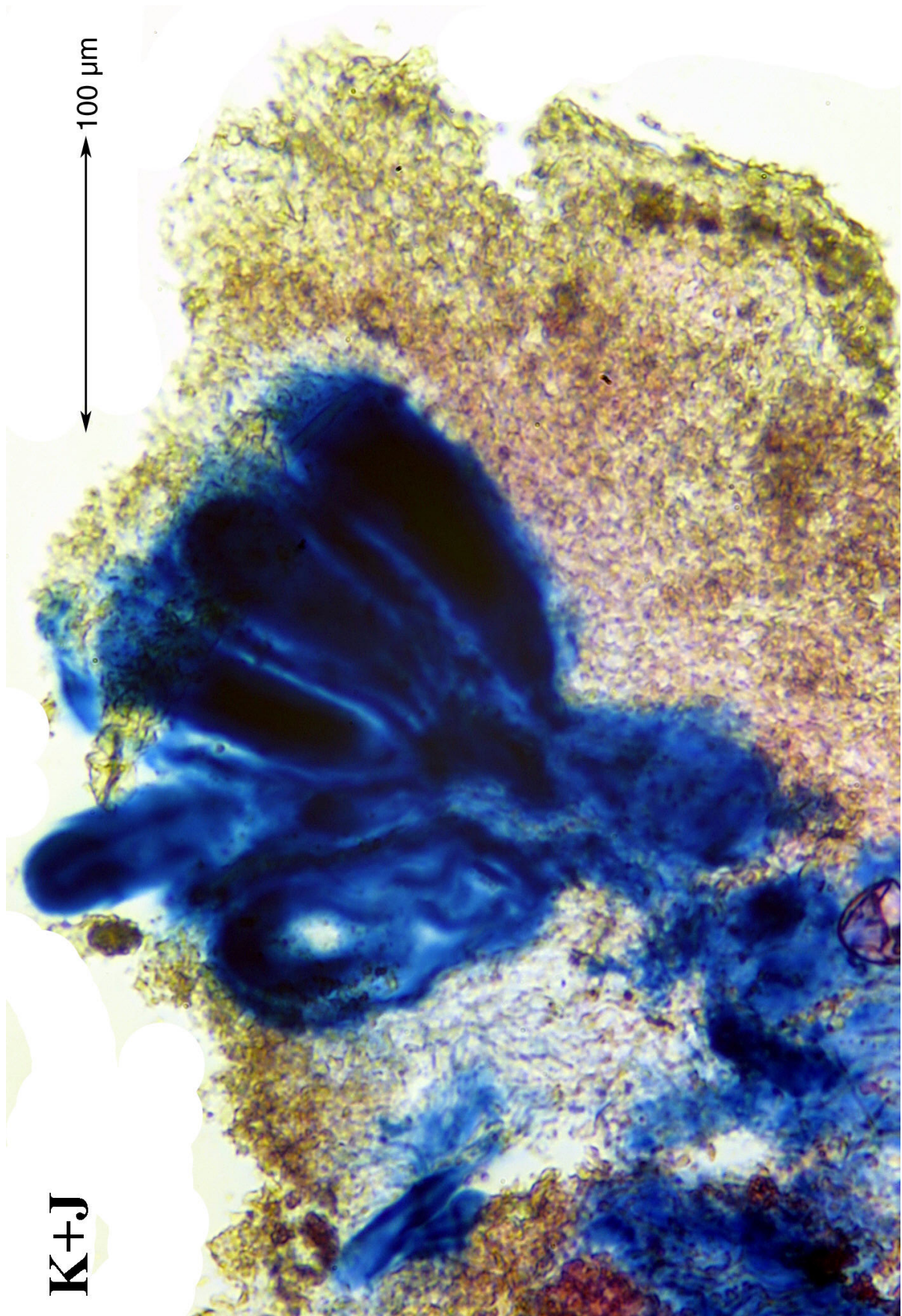
Phlyctis agelaea



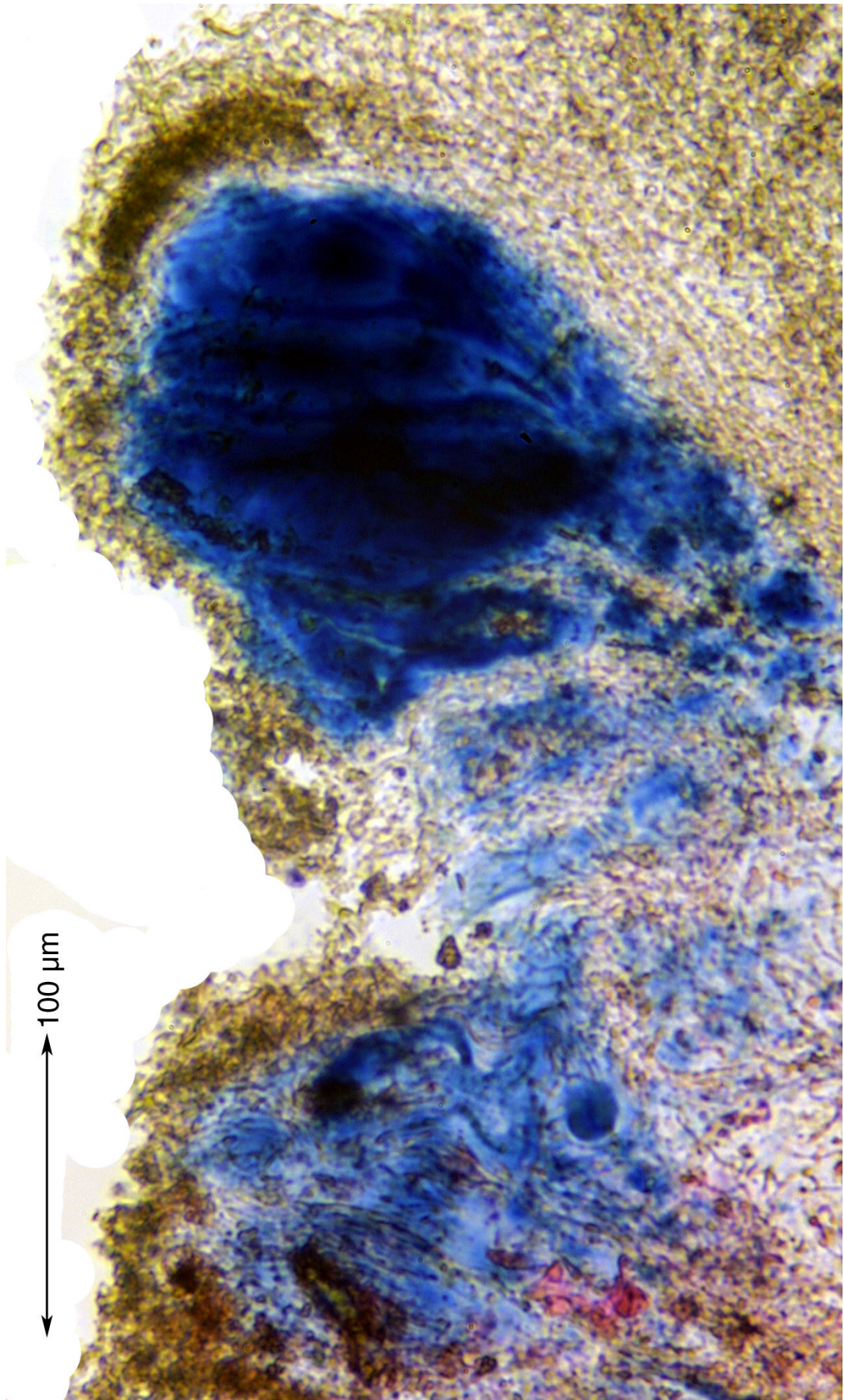
Phlyctis agelaea



Phlyctis agelaea



Phlyctis agelaea

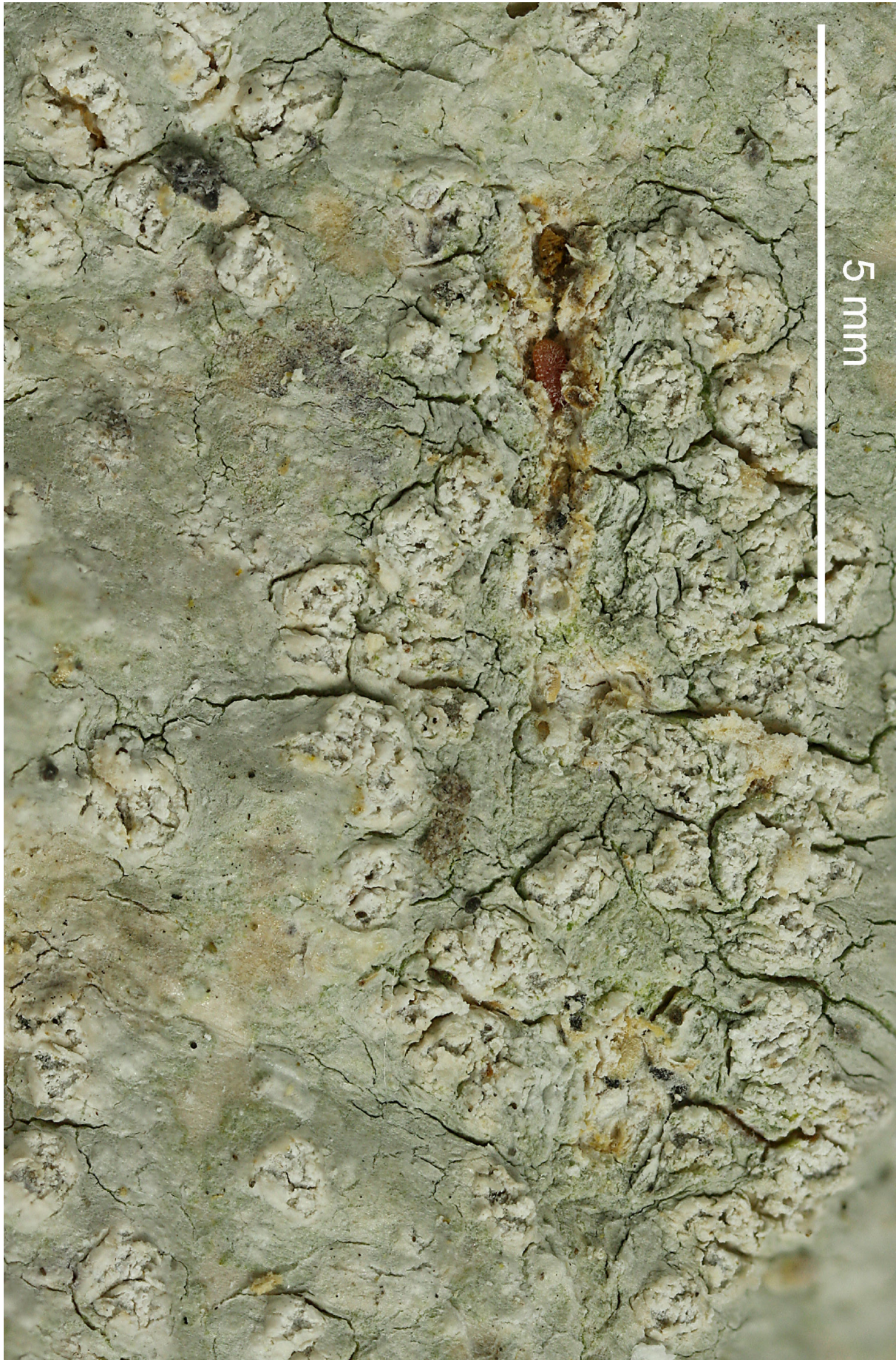


Phlyctis agelaea

Phlyctis agelaea (Ach.) Flot., Bot. Ztg. 8: 574 (1850)
= *Lichen agelaeus* Ach. 1799

[17975], Germany, Baden-Württemberg, Kreis Göppingen, zwischen Nassach und Oberberken, Waldweg zwischen Stärrerberg und Gaibhalden, 48.75491° N, 9.54289° E, 377 m, an Esche. Leg. et det. F. Schumm, 03.04.2012. - Thallus ohne Sorale, aber mit sorediösen Pusteln aus Apothecien, Sporen muriform, erst hyalin, alt braun. Thallus P+ gelb, K+ gelb, KC+ orange, C- (laut Lit. Norstictic acid).

Thallus crustose, ecorticate, thinly episubstratic, continuous or more or less cracked or verrucose, white to grey-white, forming up to 5(-12) cm wide patches delimited by a white prothalline line. Apothecia deeply immersed, clustered by 2-4 at the center of flattened, irregular, powdery or granular, 0.2-0.5(-1) mm wide thalline warts which are usually mistaken for soralia; disc concave to flat, brown-grey to reddish brown, but covered by the granular warts; thalline margin white-granular. Proper exciple thin, grey, I+ pale blue, usually obscured by the thalline exciple; epithecium colourless to brownish, strongly granular; hymenium colourless, K/I+ blue; paraphyses simple or sparingly branched in upper part, not capitate, c. 1.5 µm wide at base, c. 2.5 µm at apex; hypothecium pale brown. Asci 2(-4)-spored, broadly clavate, thin-walled, not strongly thickened at apex, the outer wall K/I+ blue, the tholus I+ weakly blue. Ascospores strongly muriform, hyaline to finally yellow-brown, broadly ellipsoid, clearly apiculate, (35-)45-80(-85) x (12-)14-30(-35) µm, with a thin, I+ blue wall and a very thin perispore. Pycnidia immersed, black. Conidia simple, ellipsoid, straight to rarely curved, 6-8 x 3-4 µm. Photobiont chlorococcoid. Spot tests: K+ yellow then slowly blood-red (needle-like crystals), C-, KC+ reddish, P+ yellow then orange-red, UV-. Chemistry: norstictic acid. - Note: a mild-temperate to Mediterranean lichen found on acid-barked trees (especially *Quercus ilex*) in slightly sheltered but not very shaded situations; most frequent in Tyrrhenian Italy, much rarer in Northern Italy and along the eastern side of the Peninsula.



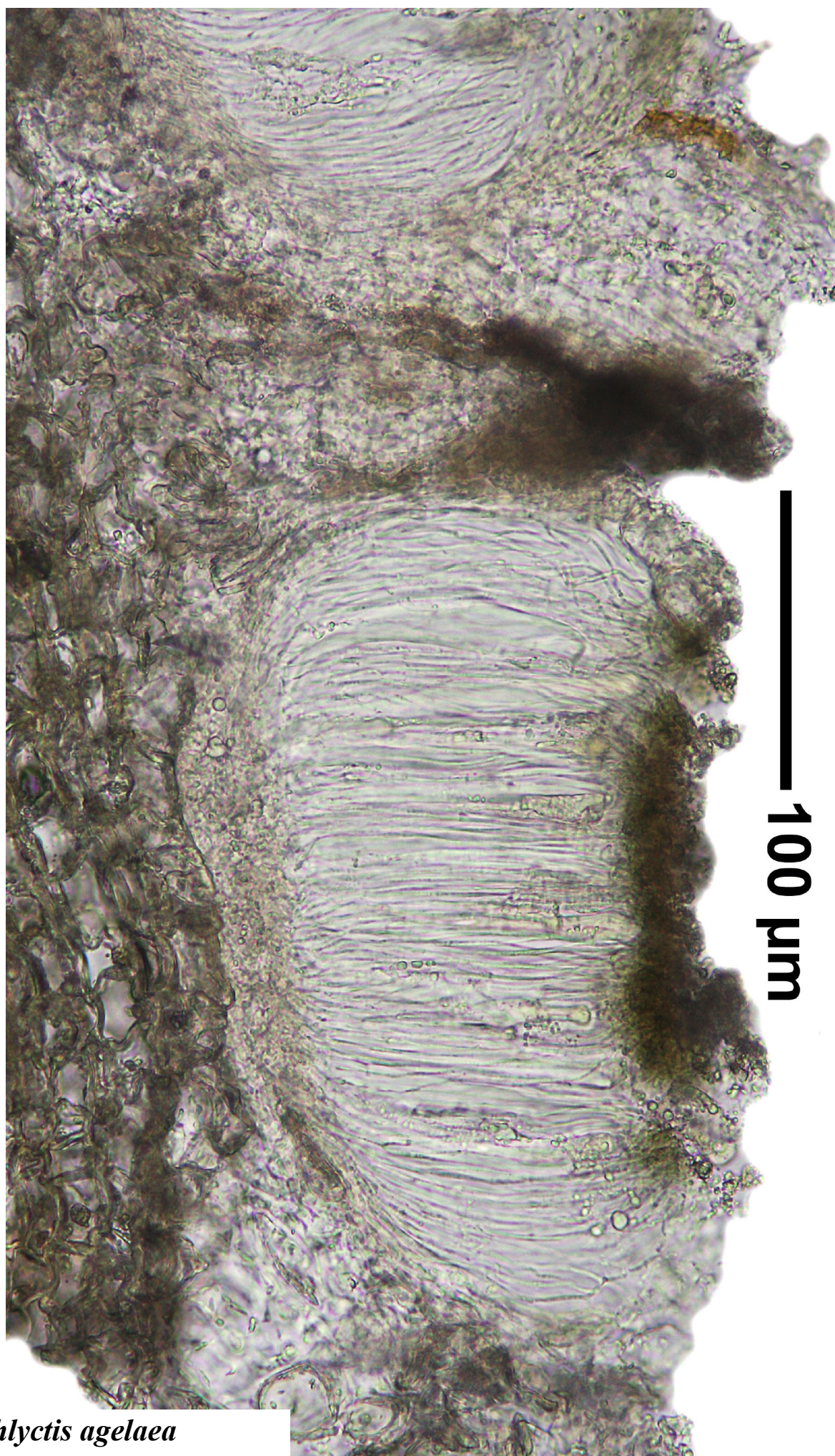
Phlyctis agelaea



Phlyctis agelaea



Phlyctis agelaea



Phlyctis agelaea



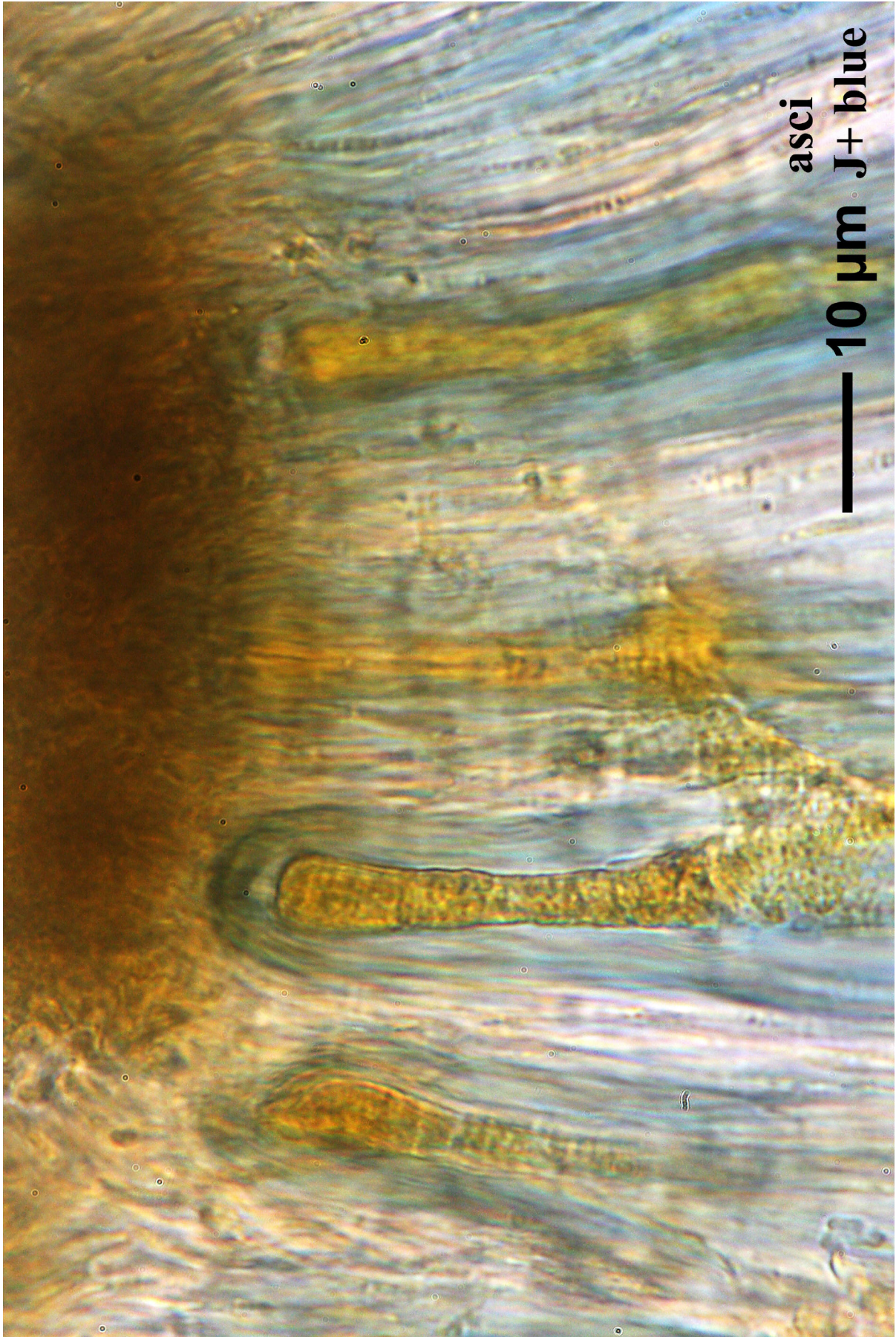
Phlyctis agelaea



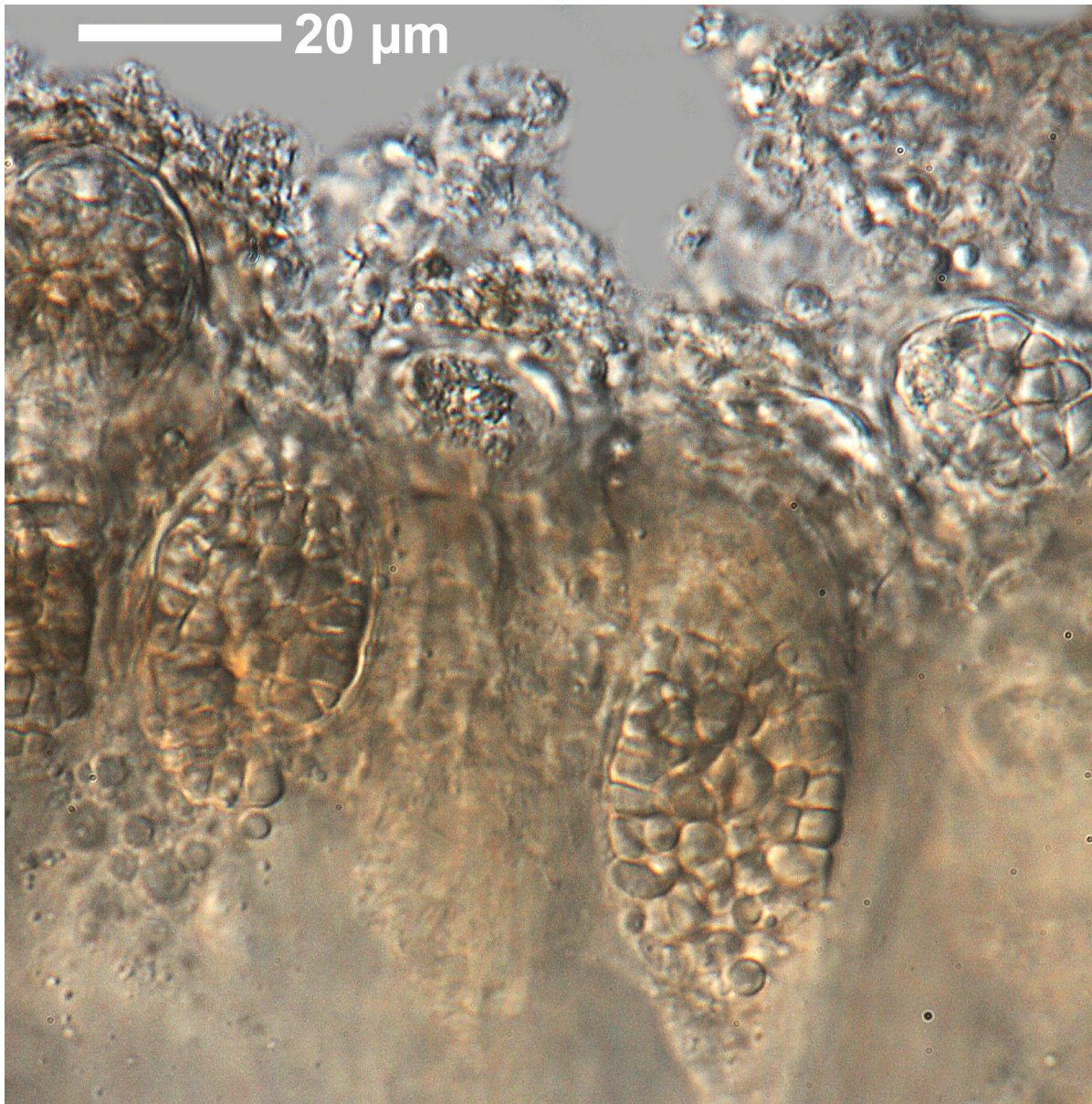
Phlyctis agelaea



Phlyctis agelaea



Phlyctis agelaea



Phlyctis agelaea

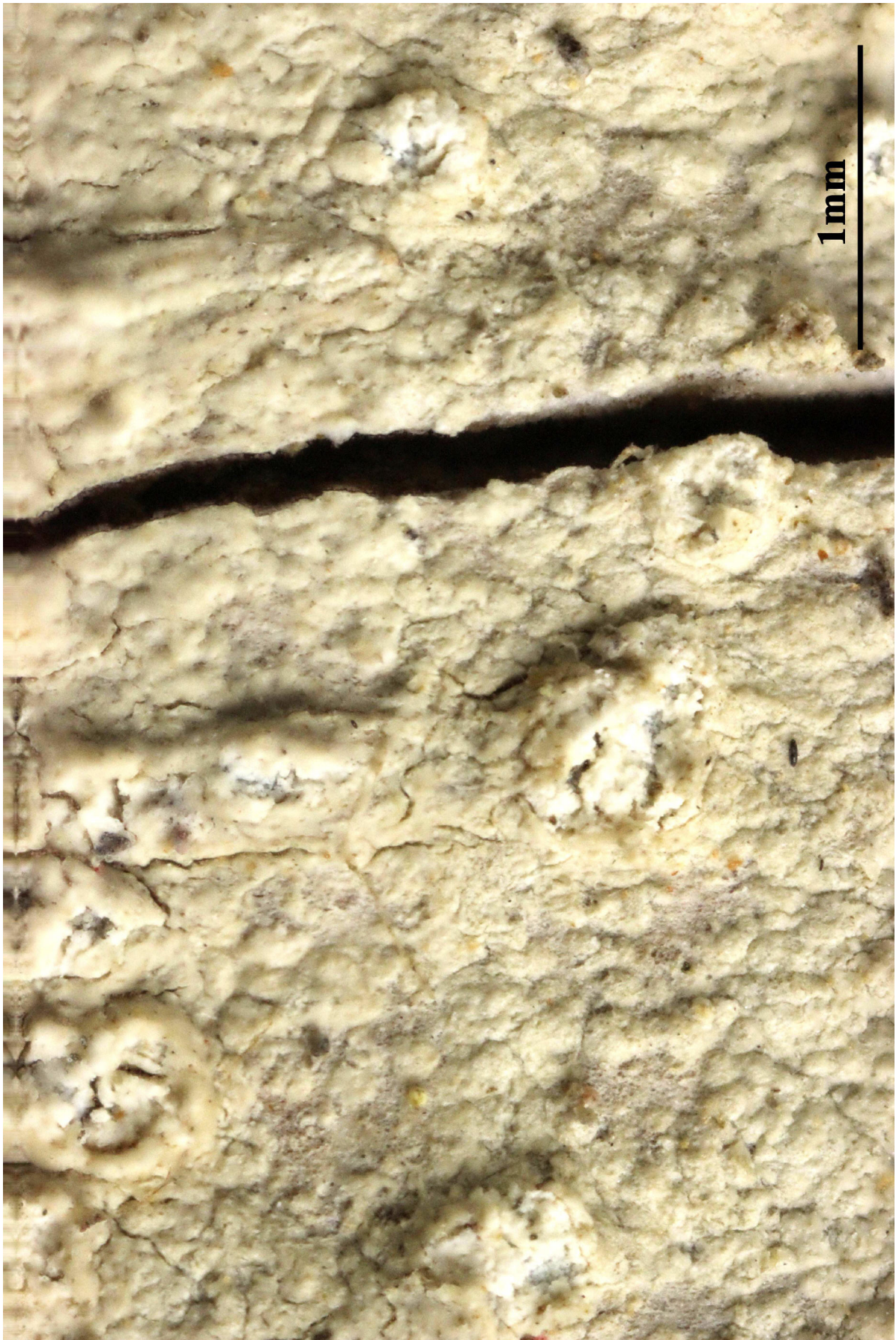
Phlyctis agelaea (Ach.) Flot., Bot. Ztg. 8: 574 (1850)
= *Lichen agelaeus* Ach. 1799

[FA40], Bulgaria. Burgas Province, Malko Tarnovo Municipality, Strandzha Mts., Goljam Mechi dol in Vitanovo reserve near Malko Tarnovo town. On bark (*Alnus*). 270 m. Lat.:47°00'06.5" N; Long.: 27°26'14.1" E. Leg. L. Lökös. 9.6.2009, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR.40.

Thallus crustose, ecorticate, thinly episubstratic, continuous or more or less cracked or verrucose, white to grey-white, forming up to 5(-12) cm wide patches delimited by a white prothalline line. Apothecia deeply immersed, clustered by 2-4 at the center of flattened, irregular, powdery or granular, 0.2-0.5(-1) mm wide thalline warts which are usually mistaken for soralia; disc concave to flat, brown-grey to reddish brown, but covered by the granular warts; thalline margin white-granular. Proper exciple thin, grey, I+ pale blue, usually obscured by the thalline exciple; epithecium colourless to brownish, strongly granular; hymenium colourless, K/I+ blue; paraphyses simple or sparingly branched in upper part, not capitate, c. 1.5 µm wide at base, c. 2.5 µm at apex; hypothecium pale brown. Asci 2(-4)-spored, broadly clavate, thin-walled, not strongly thickened at apex, the outer wall K/I+ blue, the tholus I+ weakly blue. Ascospores strongly muriform, hyaline to finally yellow-brown, broadly ellipsoid, clearly apiculate, (35-)45-80(-85) x (12-)14-30(-35) µm, with a thin, I+ blue wall and a very thin perispore. Pycnidia immersed, black. Conidia simple, ellipsoid, straight to rarely curved, 6-8 x 3-4 µm. Photobiont chlorococcoid. Spot tests: K+ yellow then slowly blood-red (needle-like crystals), C-, KC+ reddish, P+ yellow then orange-red, UV-. Chemistry: norstictic acid. - Note: a mild-temperate to Mediterranean lichen found on acid-barked trees (especially *Quercus ilex*) in slightly sheltered but not very shaded situations; most frequent in Tyrrhenian Italy, much rarer in Northern Italy and along the eastern side of the Peninsula.



Phlyctis agelaea



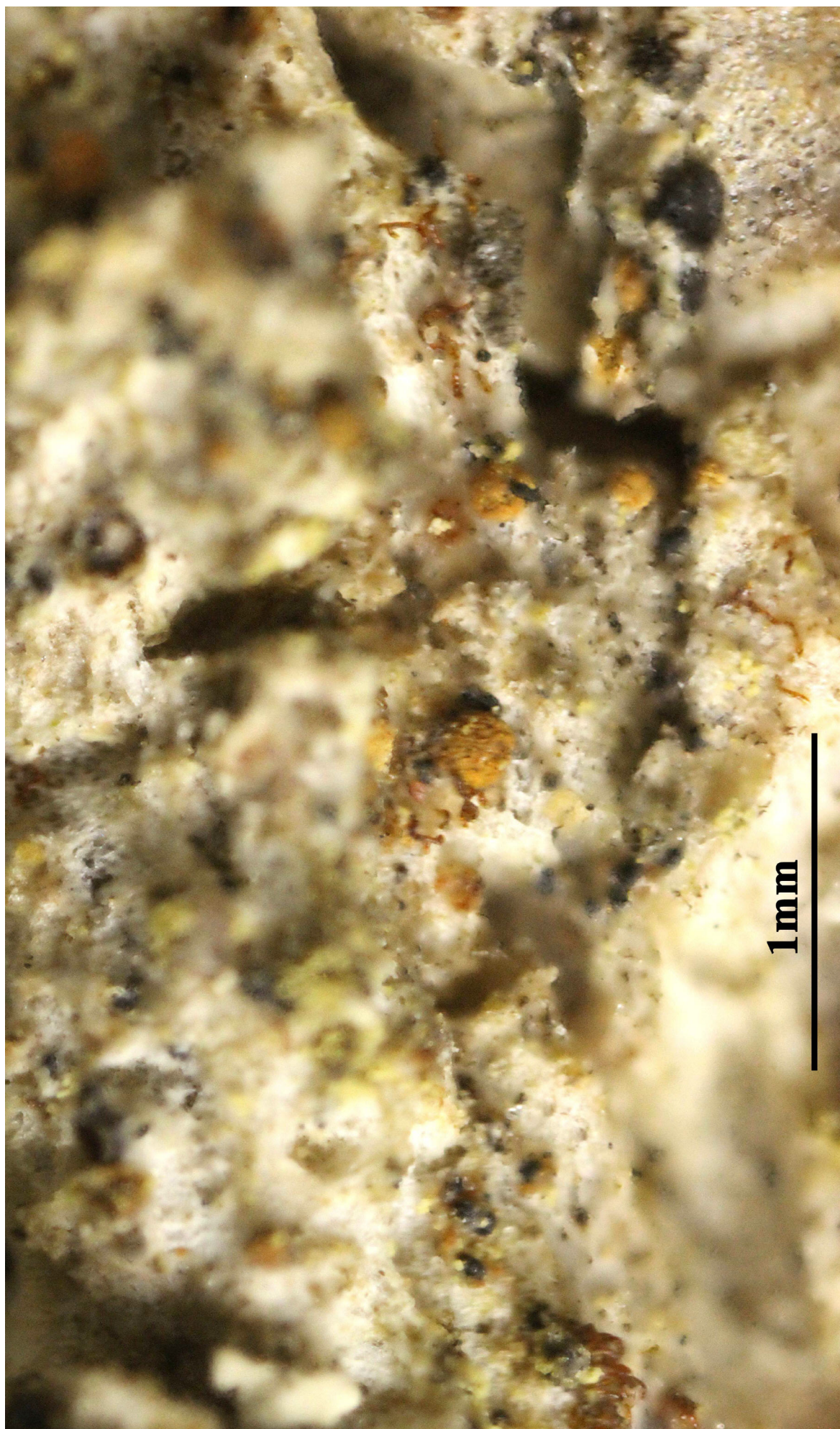
Phlyctis agelaea

Piccolia ochrophora (Nyl.) Hafellner, Symb. bot. upsal. 34(no. 1): 91 (2004)
= *Lecidea ochrophora* Nyl. 1865

[FA57], Hungary, Pest County, Piliscsaba. Pilis Mts. along the forest road between Piliscsaba and Pilisév, ca. 0.6 km W of Mt Nagy-Kopasz-hegy N of Piliscsaba. Corticolous on *Sambucus nigra*. Lat.: 47°39'92.3" N; Long.: 18°49'29.1" E; 270 m. Leg. L. Lökös, 5.4.2014, det. L. Lökös. EX E, FARKAS LICHENES DELICATI NR. 57.



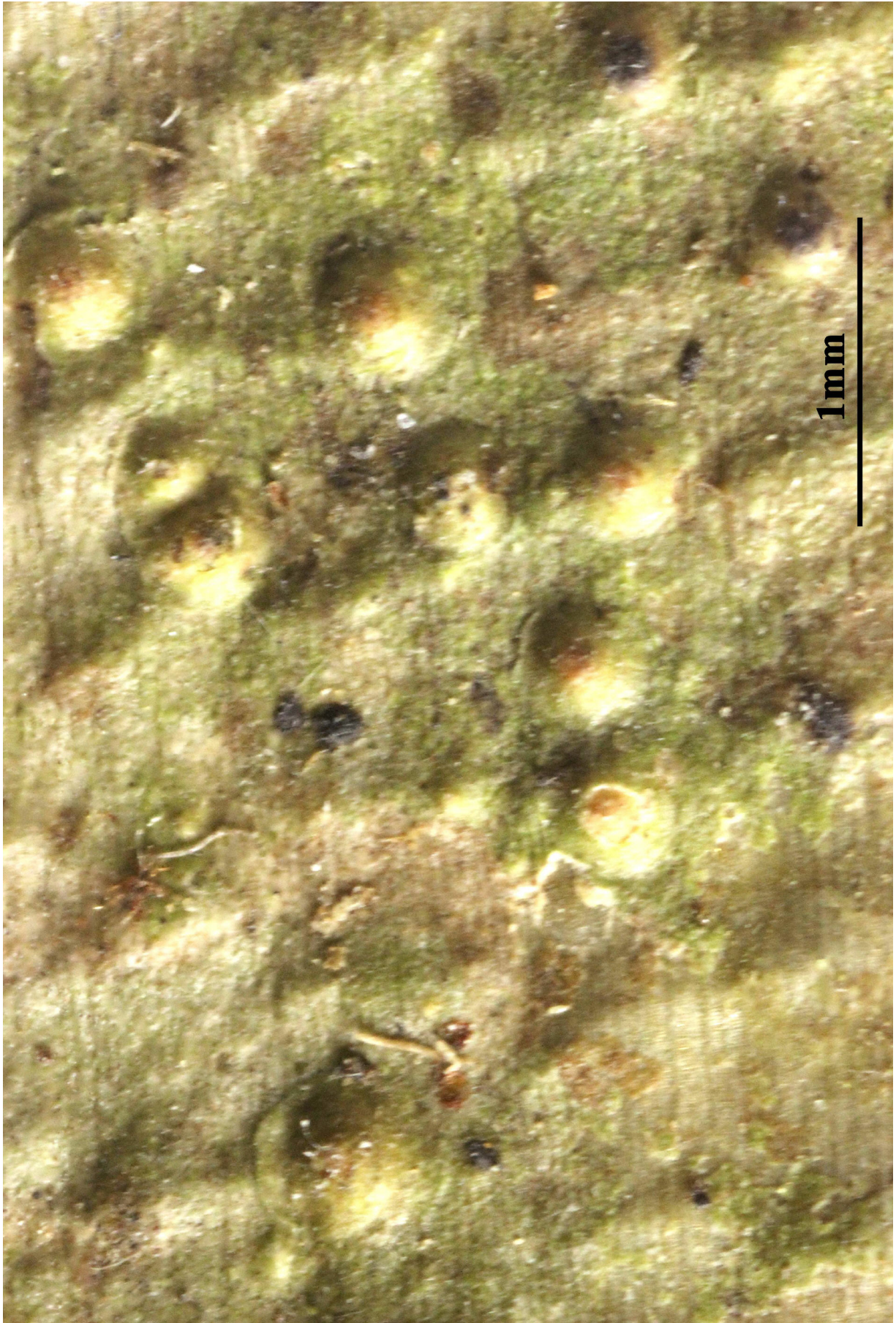
Piccolia ochrophora



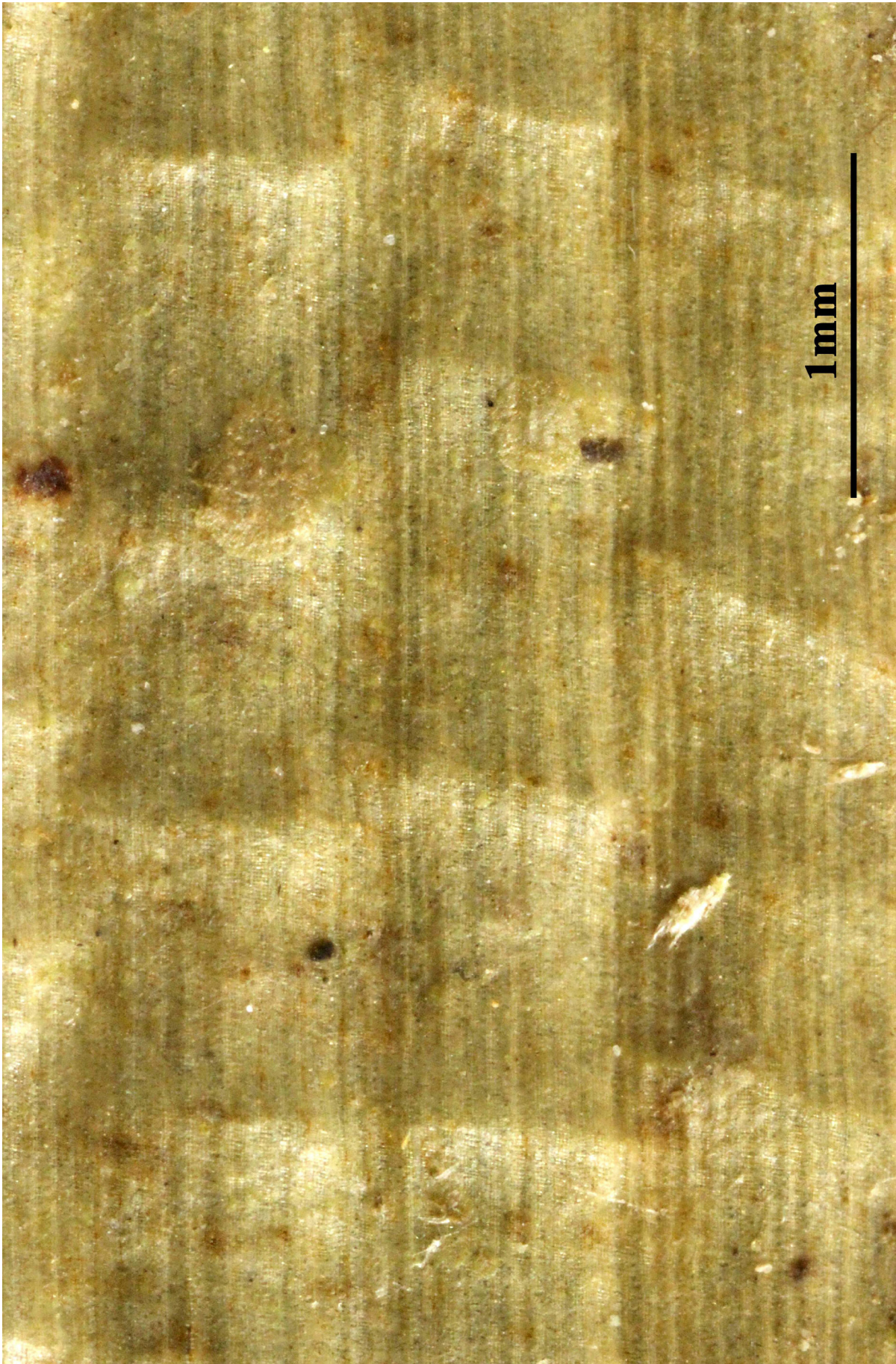
Piccolia ochrophora

Porina applanata Vain., Ann. Acad. Sci. Fenn., Ser. A 15(no. 6): 362 (1921)

[FA58], Philippines, Province Ilocus Norte, Municipality of Adams, Adams Rd. 1.7 km SE of Adams. On leaves. Lat.: 18°27'14.4" N; Long.: 120°54' 46.5": 360 M. Leg. P. Nagwingan, 20.7.2014, det. E. Farkas. EX E. FARKA LICHENES DELICATI NR. 58.



Porina applanata



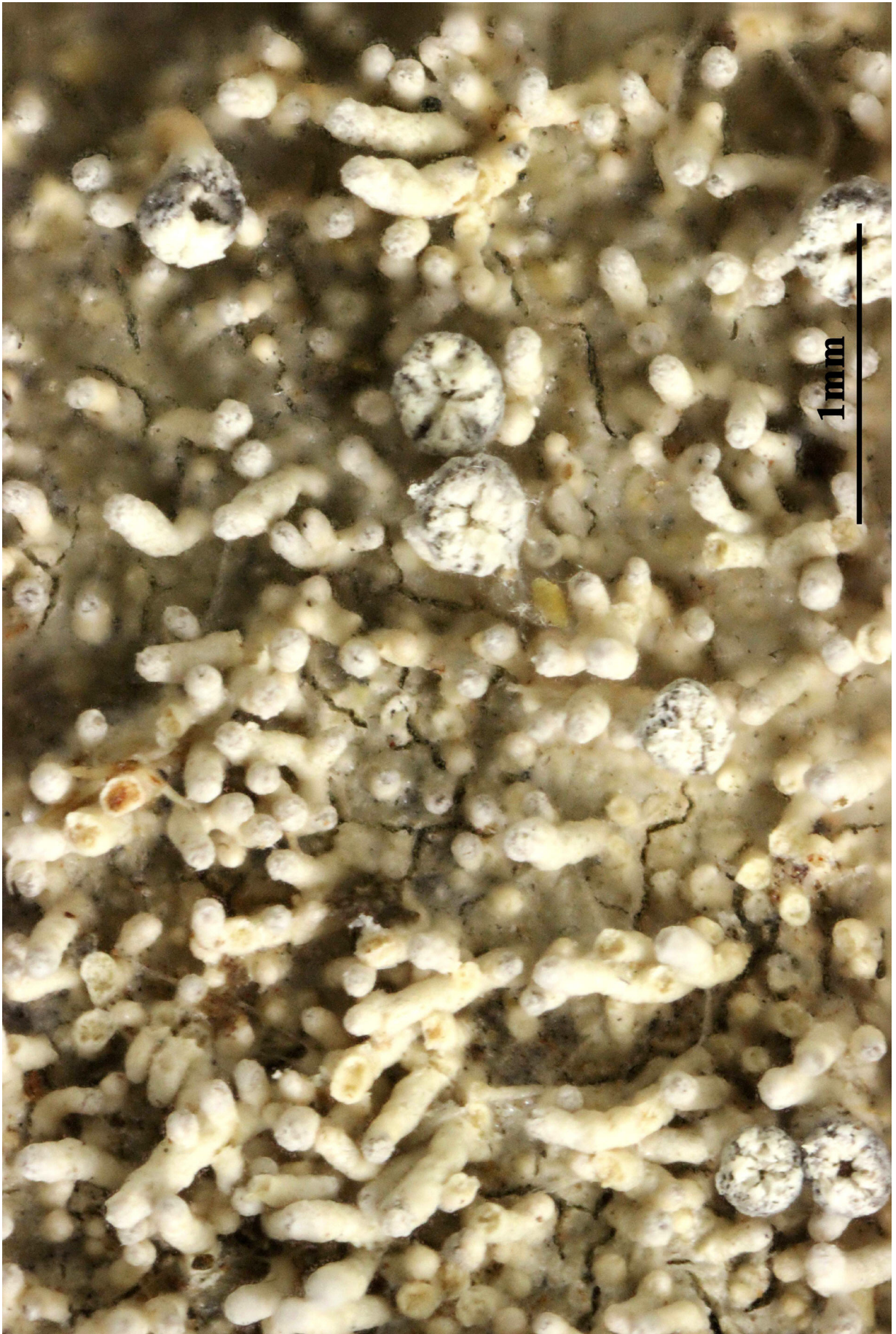
Porina applanata

Pseudoramonia richeae Kantvilas & Vězda, Lichenologist 32(4): 344 (2000)

[FA42], Tasmania. Central Plateau CA, ca 2 km of Turrana Bluff. On *Athrotaxix cupressoides* in a small copse in alpine heathland. Lat.: 41°47' S; Long.: 146°21' E; 1280 m. Leg. G. Kantvilas (nr. 34/12), 16.2.2012, det, G. Kantvilas. EX E. FARKAS LICHENES DELICATI 42.



Pseudoramonia richae



Pseudoramonia richiae

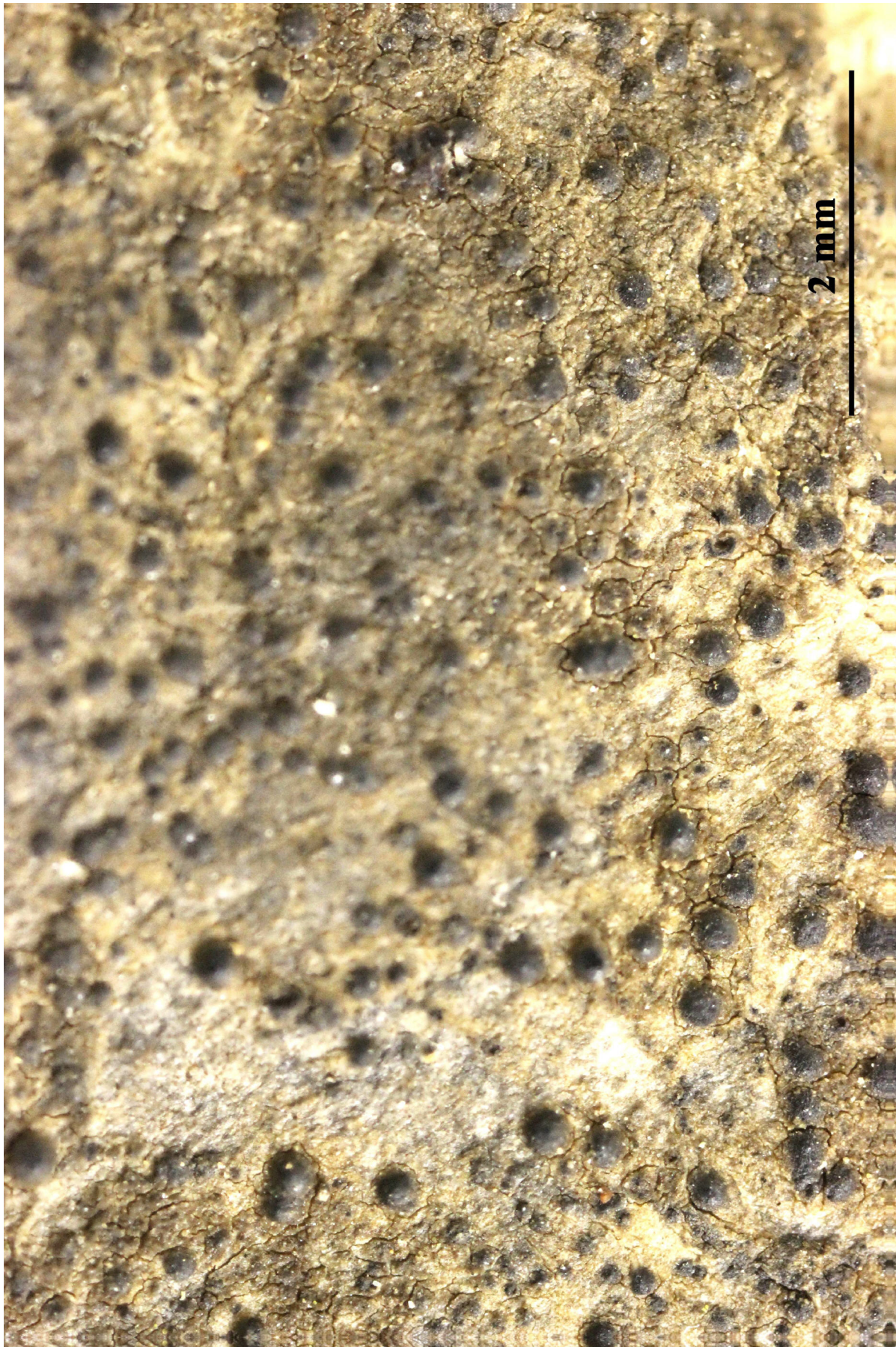
Pseudosagedia aenea (Körb.) Hafellner & Kalb, Biblioth. Lichenol. 57: 172 (1995)

- = *Sagedia aenea* Körb. 1855
- = *Porina carpinea* (Ach.) Zahlbr.
- = *Porina chlorotica* var. *carpinea* (Ach.) Keissl.
- = *Pyrenula carpinea* (Ach.) Trevis.
- = *Sagedia abietina* Körb.
- = *Sagedia aenea* (Wallr.) Körb.
- = *Sagedia carpinea* (Ach.) A. Massal.
- = *Sagedia chloromelaena* A. Massal.
- = *Sagedia erumpens* A. Massal.
- = *Spermatodium aeneum* (Wallr.) Trevis.
- = *Spermatodium carpineum* (Ach.) Trevis.
- = *Spermatodium chloromelaenum* (A. Massal.) Trevis.
- = *Spermatodium erumpens* (A. Massal.) Trevis.
- = *Trichothelium aeneum* (Wallr.) R.C. Harris
- = *Verrucaria carpinea* Pers. ex Ach.
- = *Verrucaria erumpens* (A. Massal.) Garov.

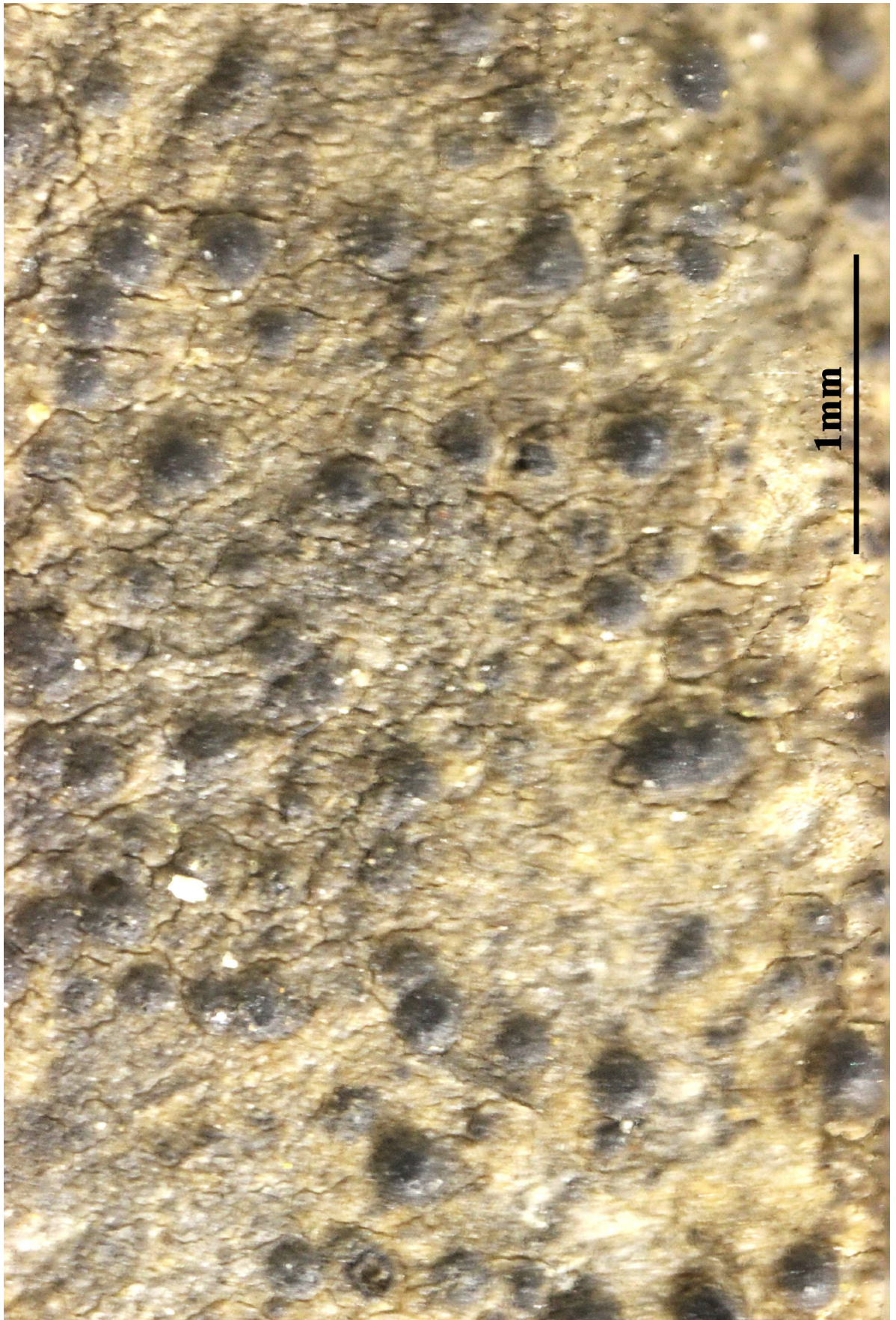
[FA41], Bulgaria. Burgas Province, Malko Tarnovo Municipality, Strandzha Mts., side branch of Veleka reka at Kachul towards Kosti village, on bark (*Juglans* and *Acer campestre*), Lat.: 42°00'46.5" N; Long.: 27°40'04.2" E; 65 m. Leg L. Lökös, 5.6.2009, det. E. Farkas and L. Lökös. EX E. FARKAS LICHENES DELICATI NR. 41.

Thallus crustose, thin, continuous, superficial to semi-immersed, dark greenish grey, dark red-brown to dark brown, sometimes almost black (olive-brown in shade), smooth to weakly rimose, forming small patches. Perithecia black, hemispherical, semi-immersed in the thallus, 0.1-0.3 mm across. Involucrellum dimidiate, shiny, purple-brown in upper part (*Pseudosagedia*-violet pigment), K⁺ dark grey-brown, HCl⁺ red-purple to red-brown, colourless in lower part; exciple more or less colourless (with brown inclusions), the upper part yellowish (*Porina*-yellow pigment), K⁺ orange; hamathecium of almost simple, not anastomosing, c. 0.5-1 µm thick paraphyses; hymenial gel I⁻, K/I⁻. Asci 8-spored, cylindrical-clavate, thin-walled throughout, functionally unitunicate, I⁻, K/I⁻, the apex truncate and containing a refractive ring which stains with Congo Red. Ascospores 3-septate, hyaline, fusiform, (13-)15-20(-24) x 3.5-5.5 µm. Pycnidia black, immersed. Macroconidia 1-septate, 12-16 x c. 4.5 µm; microconidia ellipsoid, c. 2 x 0.5 µm. Photobiont trentepohlioid. Spot tests: thallus K⁻, C⁻, KC⁻, P⁻, UV⁻. Chemistry: thallus without lichen substances. -Note: a mainly temperate to Mediterranean-Atlantic species found on smooth bark of broad-

leaved deciduous and evergreen trees and shrubs, mostly in woodlands and forests, common also in shaded-humid *Quercus* ilex-stands.



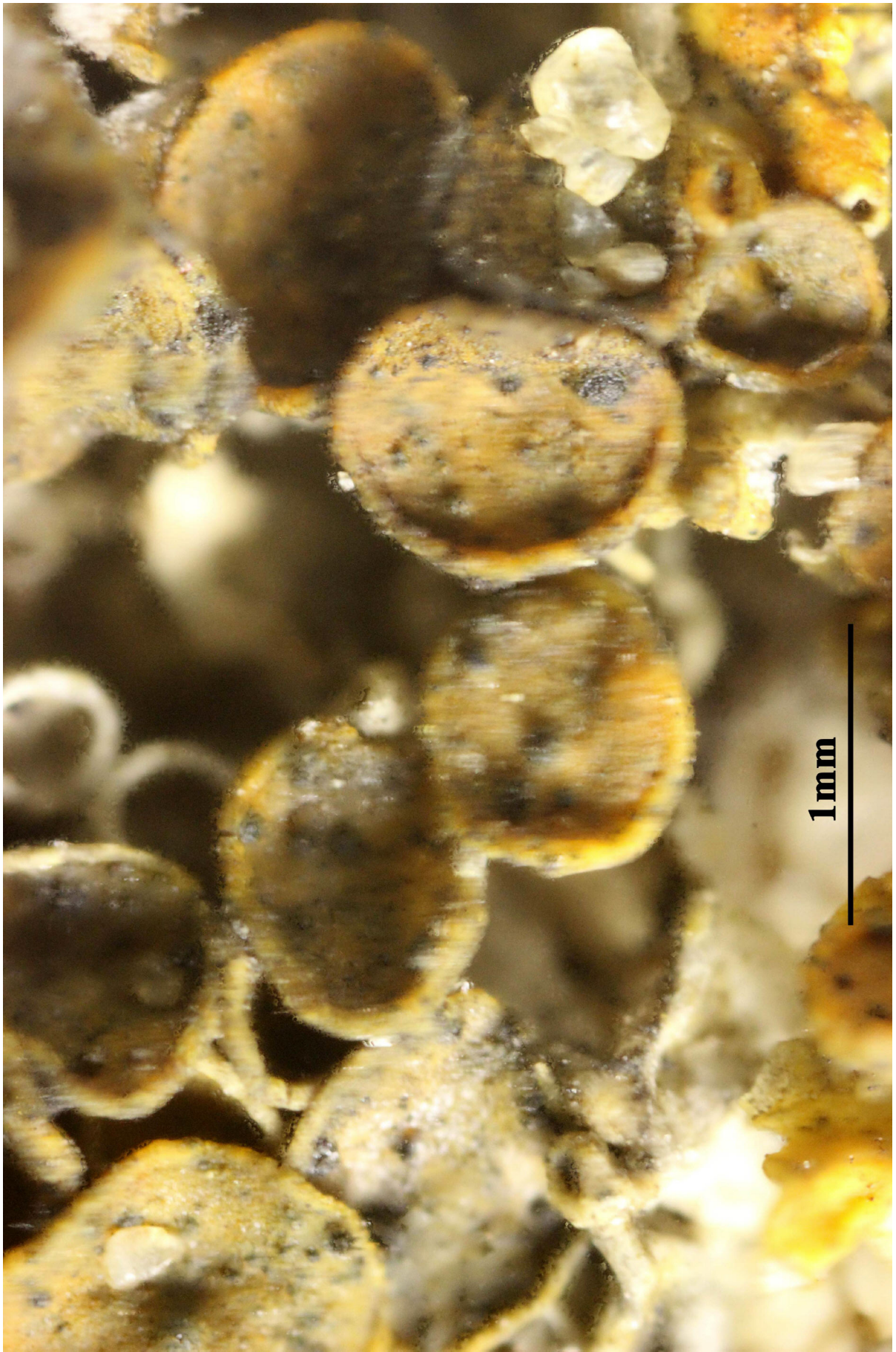
Pseudosagedia aenea



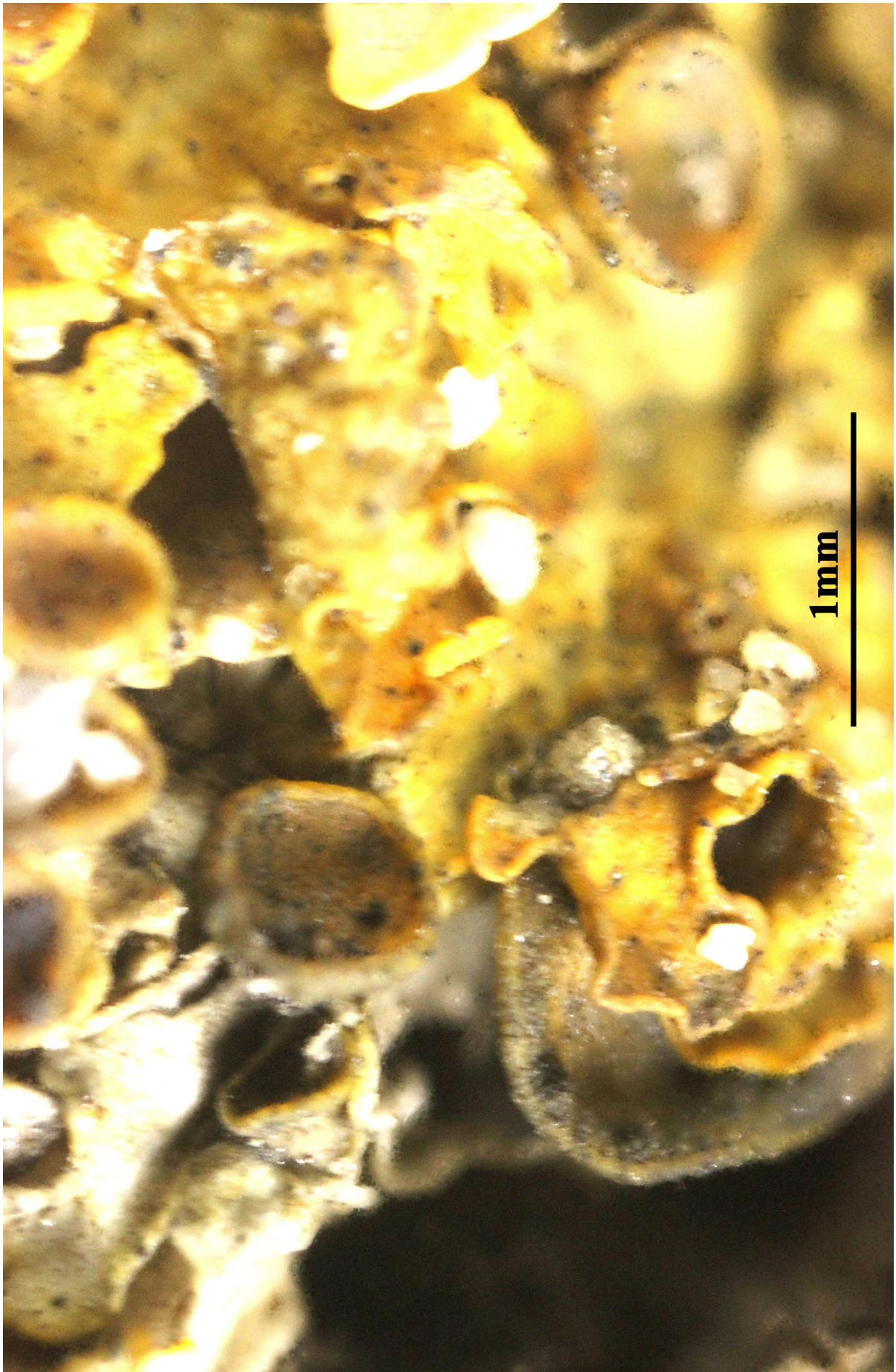
Pseudosagedia aenea

Pyrenochaeta xanthoriae Diederich, Mycotaxon 37: 318 (1990)

[FA59], Hungary. Bács-Kisun-Szolnok County, Bugac Kiskunsági National Park, in the area of "Ösborókás", Lichenicolous on *Xanthoria parietina* (L.) Th. Fr. on bark of the fallen trunk of *Populus* sp. Lat.: 46°39'20.16" N; Long.: 19°35'42.72" E; 115 m. Leg. B. Varga, 25.2.2014, det. N. Varga. EX E. FARKAS LICHENES DELICATI NR. 59.



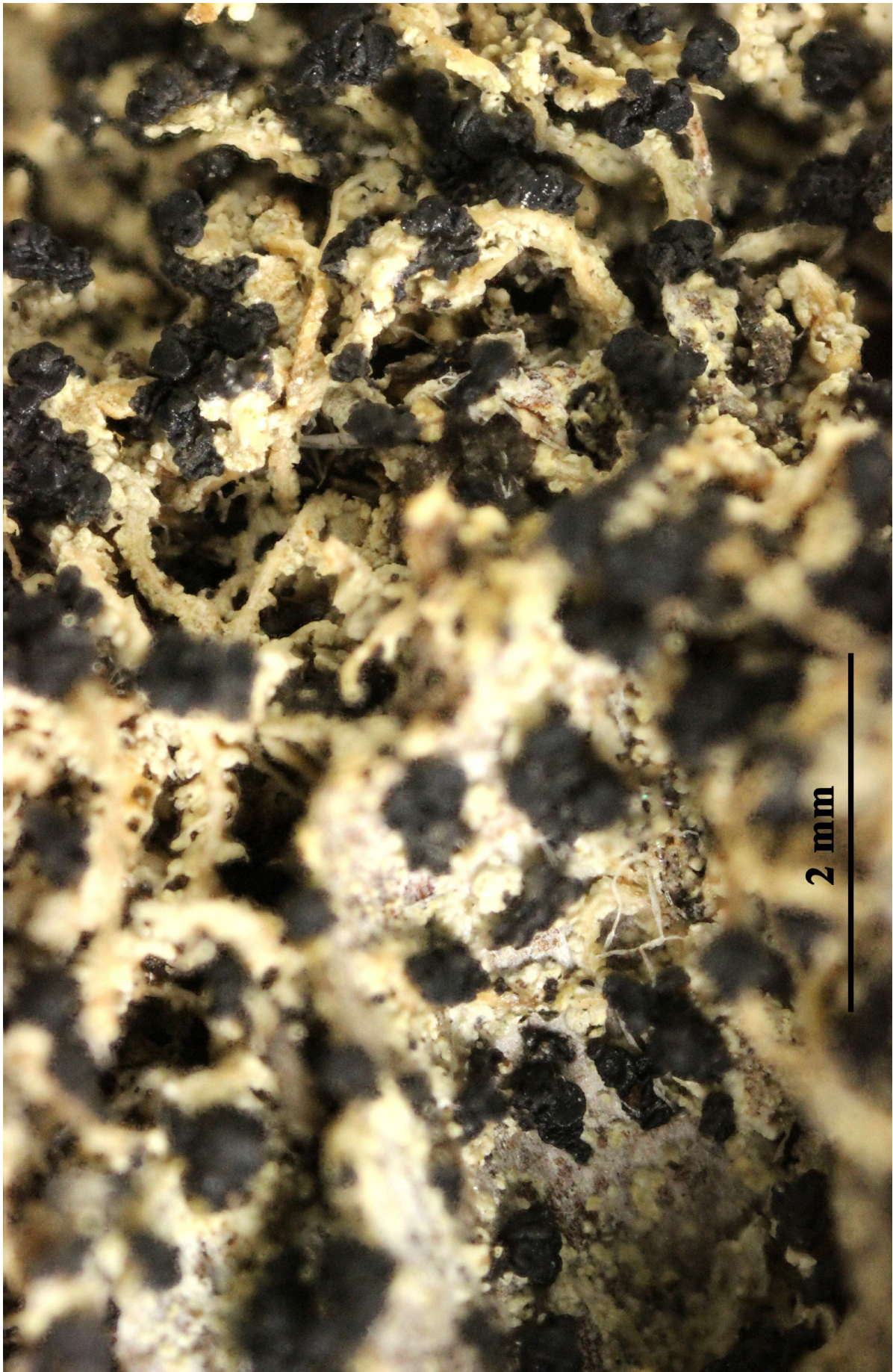
Pyrenochaeta xanthoriae



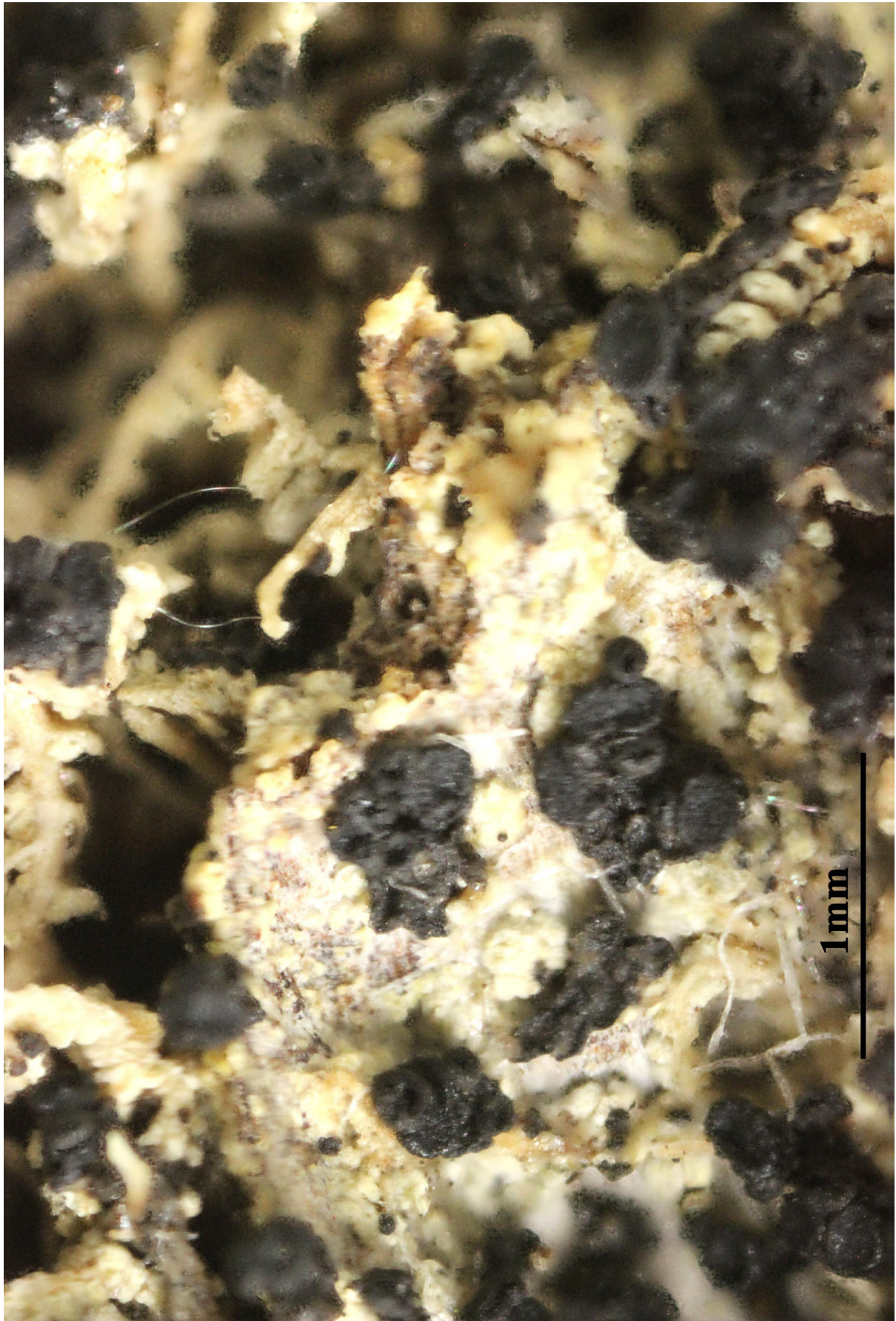
Pyrenochaeta xanthoriae

Rimularia hepaticicola Kantvilas & Coppins [as 'hepaticola'], Biblioth. Lichenol. 78: 41 (2001)
= *Lambiella hepaticicola* (Kantvilas & Coppins) Resl & T. Sprib. [as 'hepaticola'], in Resl, Schneider, Westberg, Printzen, Palice, Thor, Mayrhofer & Spribille, Fungal Diversity 73: 255 (2015)

[FA43], Tasmania. Long Tarns, Walls of Jerusalem National Park. On bryophytes on soft spongy bank at base of *Athrotaxis cupressoides* in open montane coniferous forest. Lat.: 41°47' S; Long.: 146°21' E; 1270 m. Leg. G. Kantvilas (nr. 32/12), 17.2.2012, det. G. Kantvilas. EX E. FARKAS LICHENES DELICATI BR. 43.



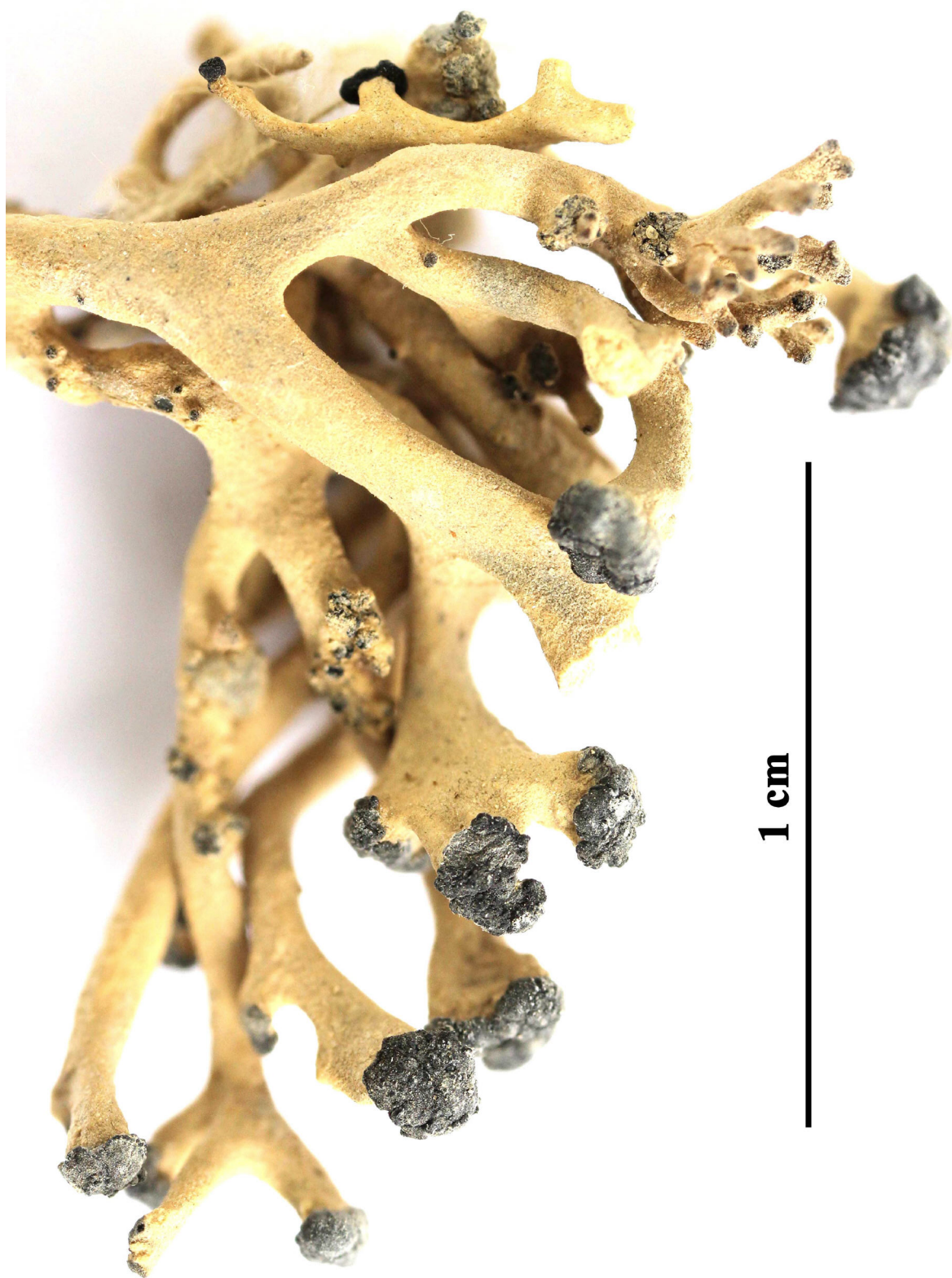
Rimularia hepaticicola



Rimularia hepaticicola

Santessonia namibensis Hale & Vobis, Bot. Notiser 131(1): 1 (1978)

[FA30], Namibia. Distict Outjo. Skeleton Coast Park, Central Namib desert, on low marble outcrops close to the sea, N of entrance gate at Ugabmond, 10 m. Leg. V. Wirth, 9.1.1986, det. D. Wessels. EX E. FARKAS LICHENES DELICATI NR. 30.



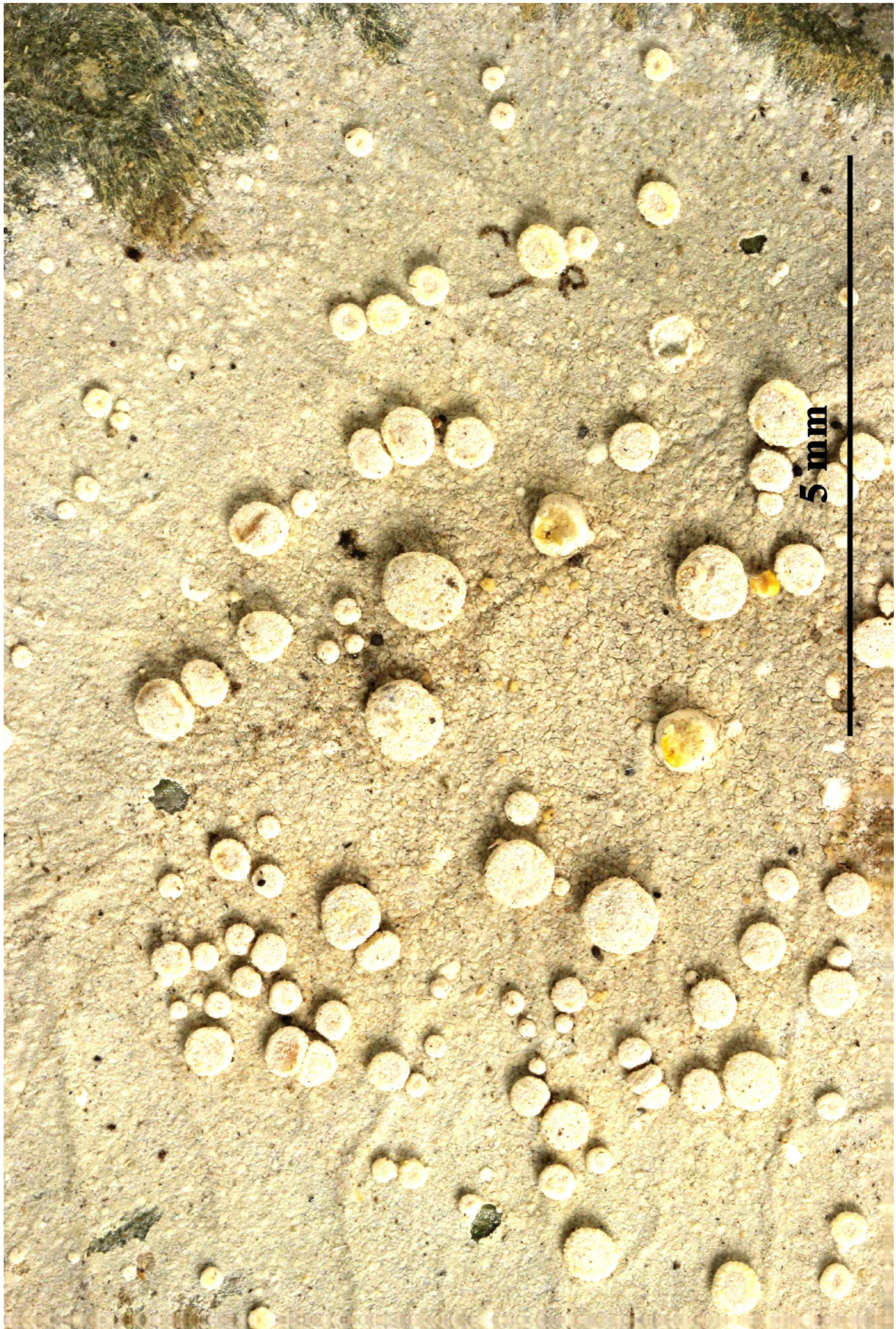
Santessonia namibensis



Santessonia namibensis

Sporopodium flavescens (R. Sant.) Vězda, Lichenes Selecti Exsiccati,
Fascicle 88 (nos 2176-2200) (Průhonice): 5 (no. 2193) (1988)
= *Sporopodium phyllocharis* var. *flavescens* R. Sant. 1952

[FA13], Australia. New South Wales. Macquarie Pass National Park, 19 km NW of Kiama. Remnant temperate forest beside stream. Foliicolous on shaded treelet (*Baloghia inophylla*). Lat.: 34°34' S; Long.: 150°41' E; 80 m, Leg. H. Streimann (nr. 53092), 12.10.1993, det. R. Lücking. EX E. FARKAS LICHENES DELICATI NR. 13.



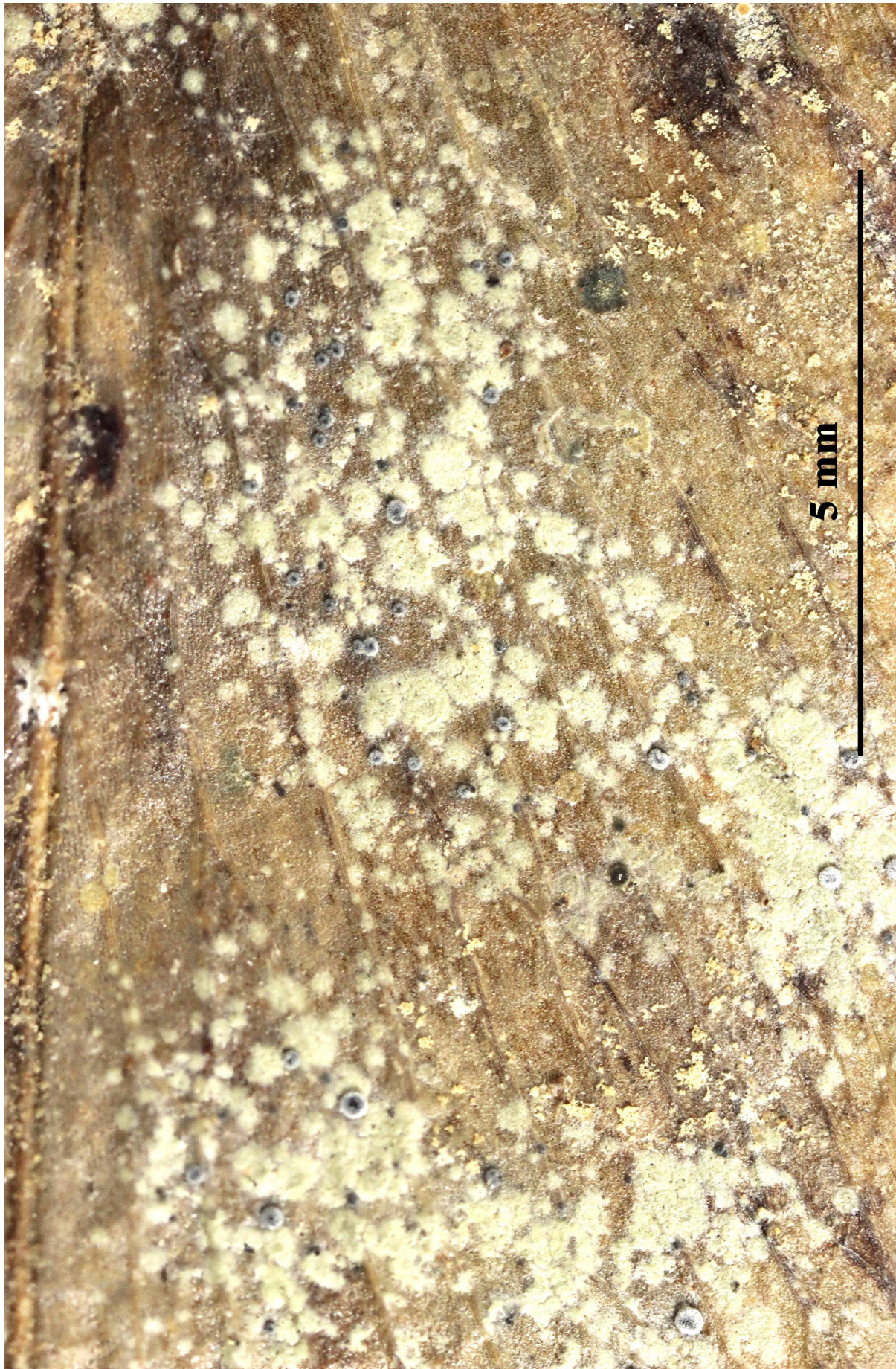
Sporopodium flavescens



Sporopodium flavescens

Tapellaria nana (Fée) R. Sant., Symb. bot. ups. 12(no. 1): 507 (1952)
= *Lecanora nana* Fée 1873

[FA44], Brazil. Estado São Paulo, São Roque, Project Itatuba. Cascada entre la Laguna Sapucaia y La Lagunita. In Atlantic submontane rain forest. On leaves, 800 m. Leg. A. Borhidi (nr.BB21), 3.1.1989, det. E. Farkas and A. Flakus. EX E. FARKAS LICHENES DELICATI NR. 44.



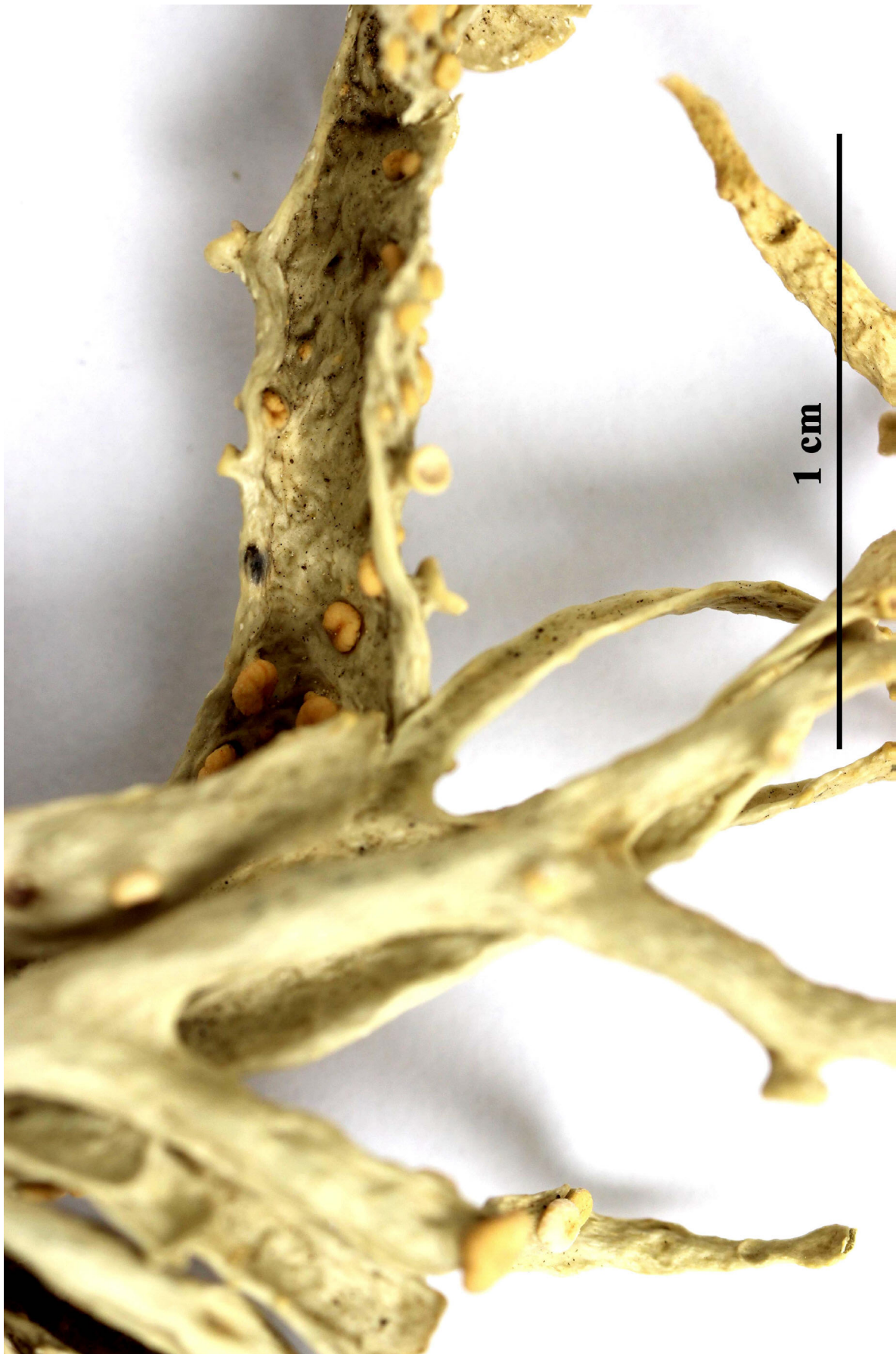
Tapellaria nana



Tapellaria nana

Tremella ramalinae Diederich, Biblioth. Lichenol. 61: 152 (1996)

[FA 60], Sweden. Östergötland province, Vadstena parish, on corticulous *Ramalina fraxinea* (L.) Ach. Lat.: 58°27'03.1" N; Long.: 14°33'35.7" E; 100 m. Leg. A. Millanes, 14.8.2013, det. A. Millanes. EX E. FARKAS LICHENES DELICATI NR. 60.



Tremella ramalinae



Tremella ramalinae

Vezdaea leprosa (P. James) Vězda, in Brown et al., Bot. Jahrb. Syst. 96(1-4):
345 (1975)
= *Micarea leprosa* P. James 1971

[FA15], Poland. Southern Poland, Silesian-Kraków Upland, Bukowno,
NE side of the Bolleslaw zinc smelter, in thermophilous grassland on
sand with *Festuca ovina*. On plant debis. Lat.: 50°16'45.6" N; Long.:
19°29'06.9" E; 327 m. Leg. U. Bielczyk, 186.2910, det. U. Bielczyk. EX
E. FARKAS LICHENES DELICATI NR. 15.



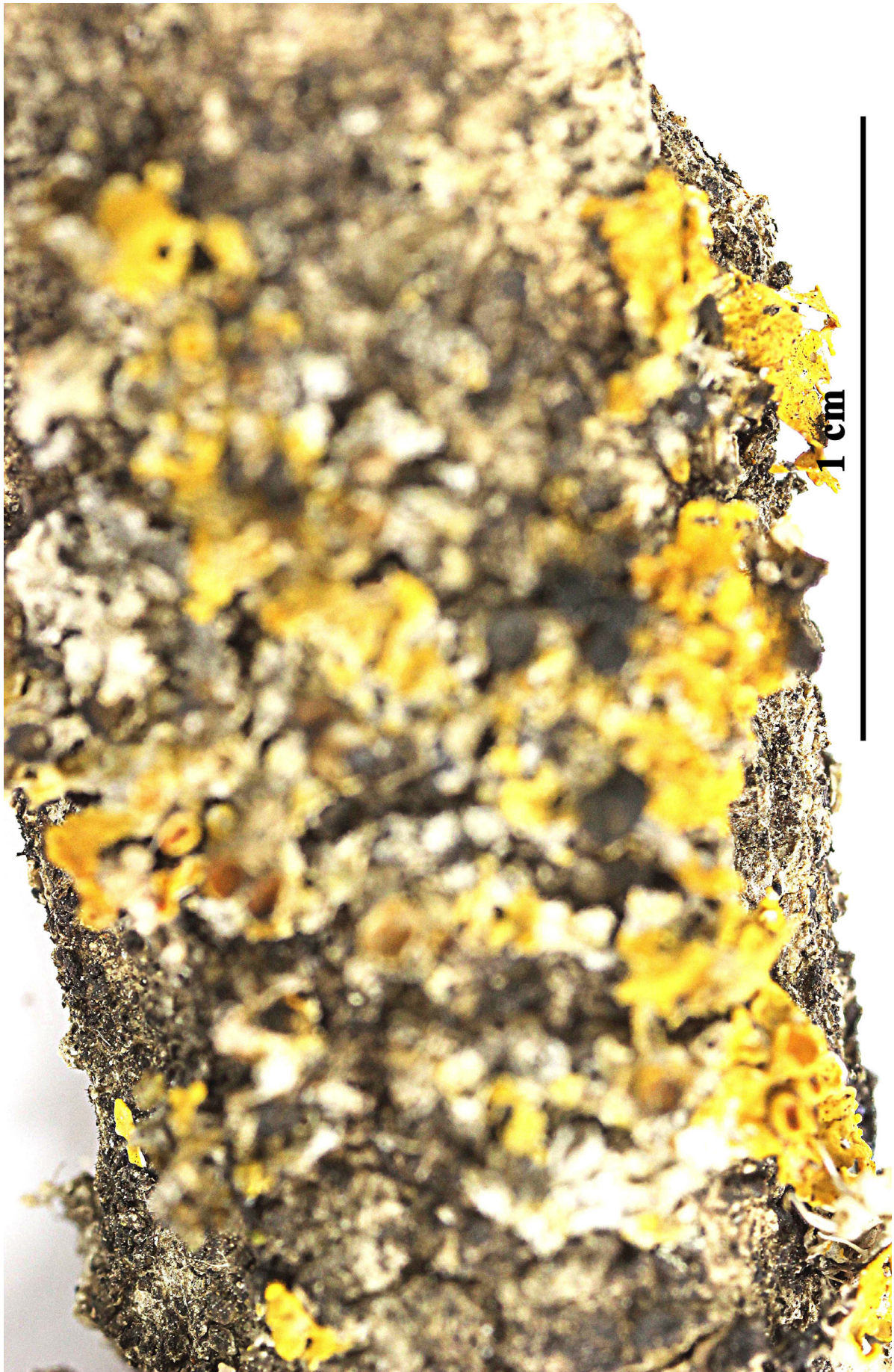
Vezdaea leprosa



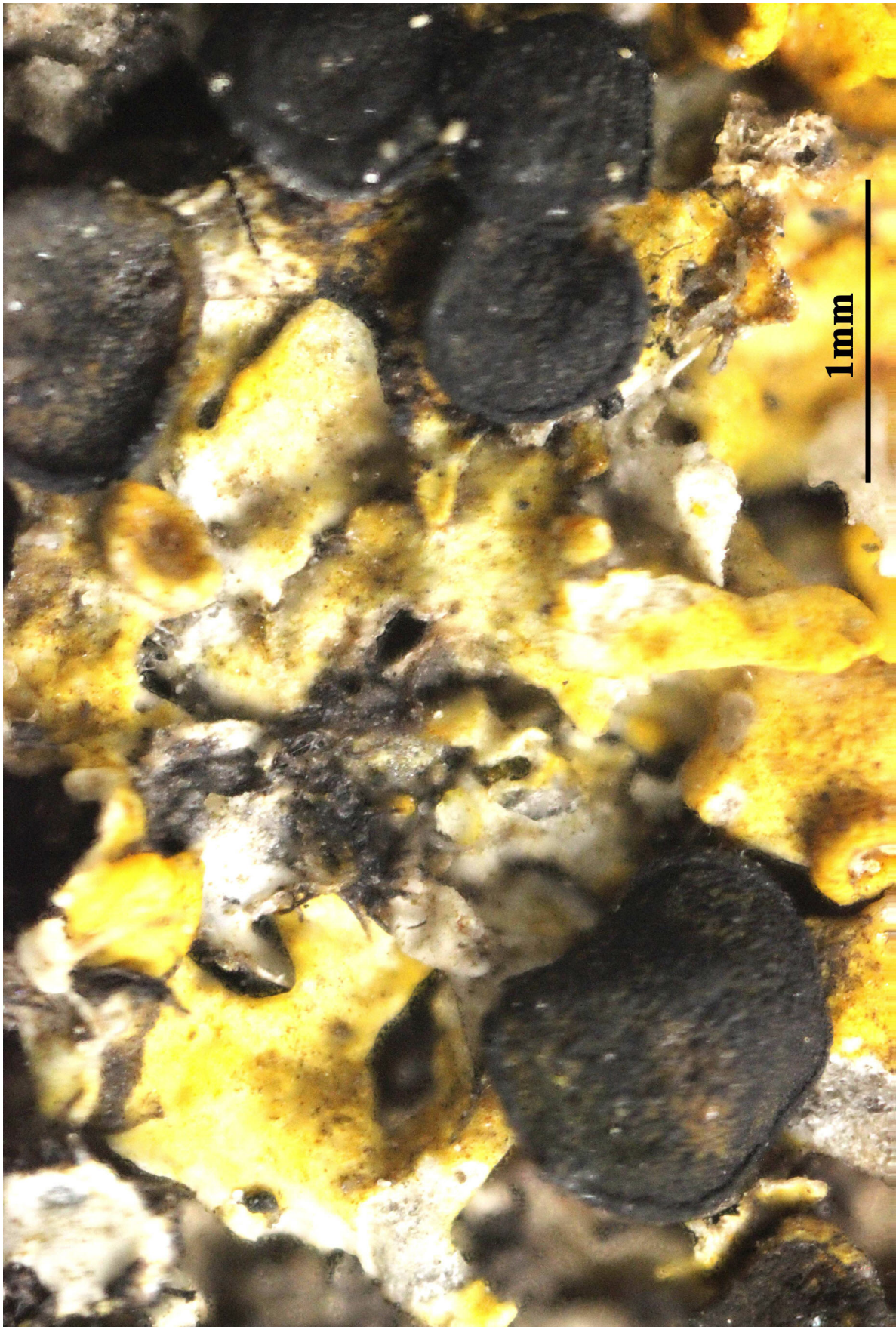
Vezdaea leprosa

Xanthoriicola physciae (Kalchbr.) D. Hawksw., in Hawksworth & Punithalingam, Trans. Br. mycol. Soc. 61(1): 67 (1973)
= *Gymnosporium physciae* Kalchbr. 1865

[FA45], Hungary, Veszprém County, Alsóörs, Balaton-felvidék Mts "Felső-mál" at SW side of Mt. Alsó-hegy, near "Vizmu" along the street Endrödy Sándor". Lichenicolous on *Xanthoria parietina* (L.) Th.Fr. on bark (*Euyonymus europaeus*). Lat.: 47°11.8" N; Long.: 17°58'39.3" E; 160 m. Leg. E. Farkas and L. Lökös, 11.11.2012, det. E. Farkas and N. Varga. EX E. FARKAS LICHENES DELICATI NR. 45.



Xanthoriicola physciae



Xanthoriicola physciae

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