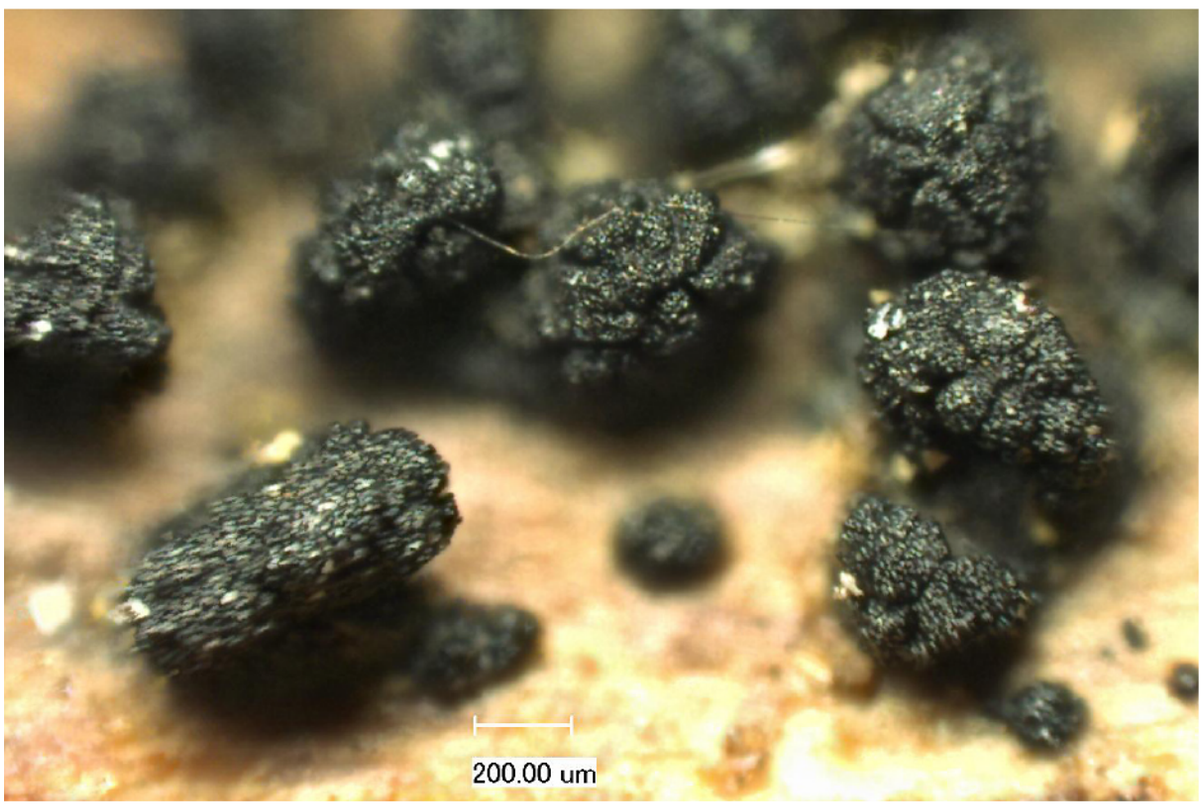
F. Schumm

Pilz-Tafeln

ein Tagebuch und eine private Merkhilfe
29.06.2016

Bertia moriformis (Tode) De Not.

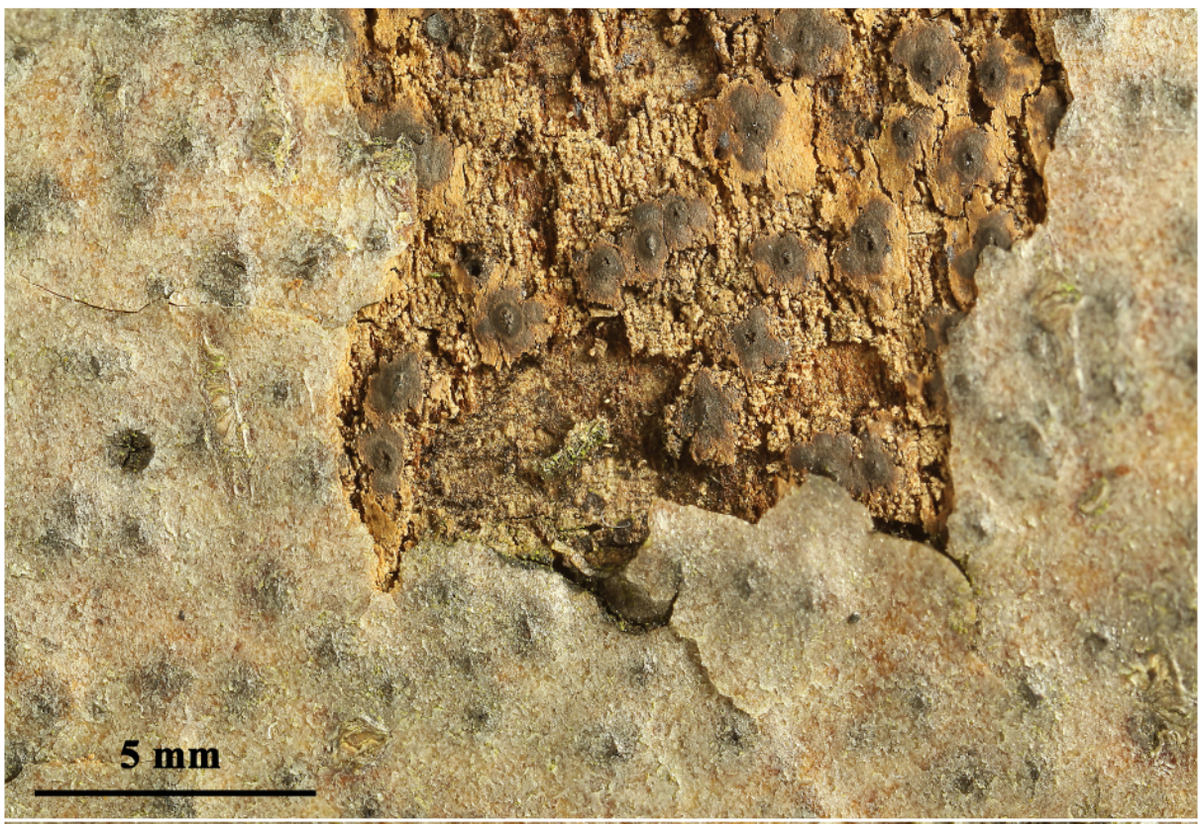
[3998], Germany, Baden-Württemberg, Stuttgart, Degerloch, Wald südöstlich des Fernsehturms, auf totem Holz (Buche?), TK 7221/NW. Leg. Schwarz 14.05.1992, det. Schwarz.



Biscogniauxia sp. ?

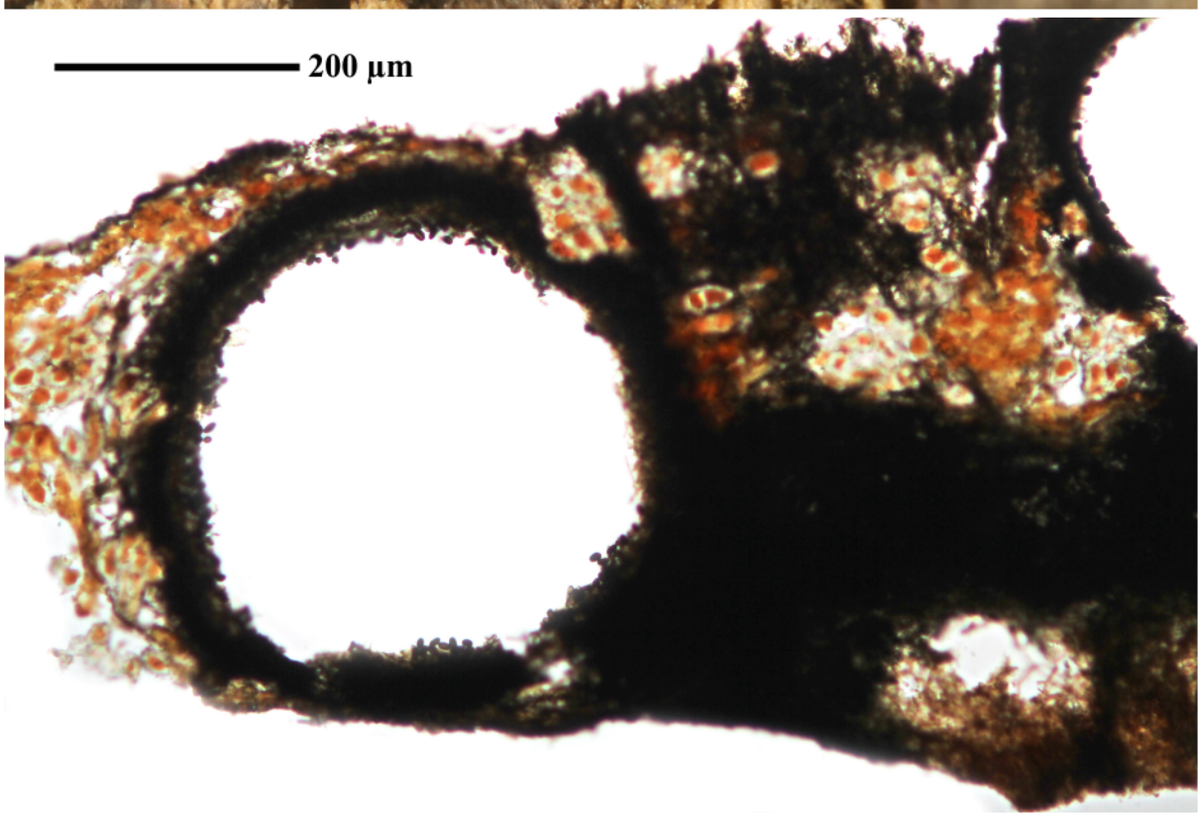
Ascocarpien in schwarzem Stroma. Sporen dunkelbraun, 1-zellig, 11-12 x 4.5 µm. Asci und Filamente nicht gesehen.

[19774], Germany, Kreis Göppingen, zwischen Wangen und Oberberken, Waldrand an abgestorbenen Fagus-Ästen, 48.75706° N,m 9.56448° E, 424 m. Leg. F. Schumm, 8.3.2018

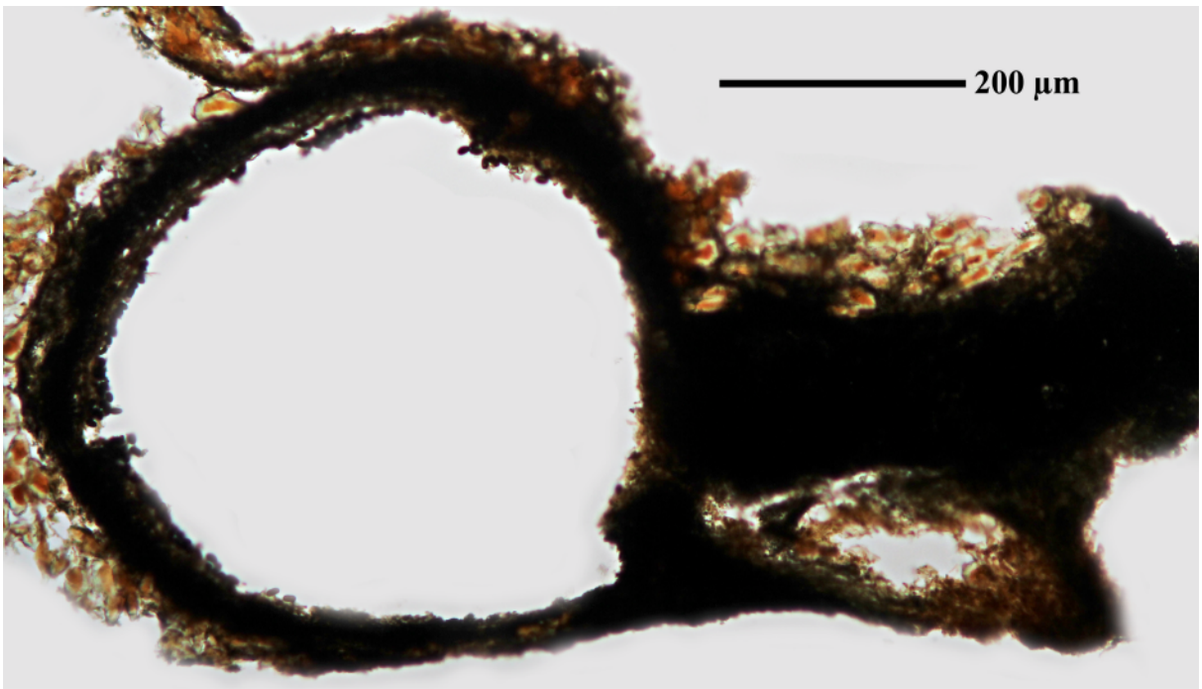


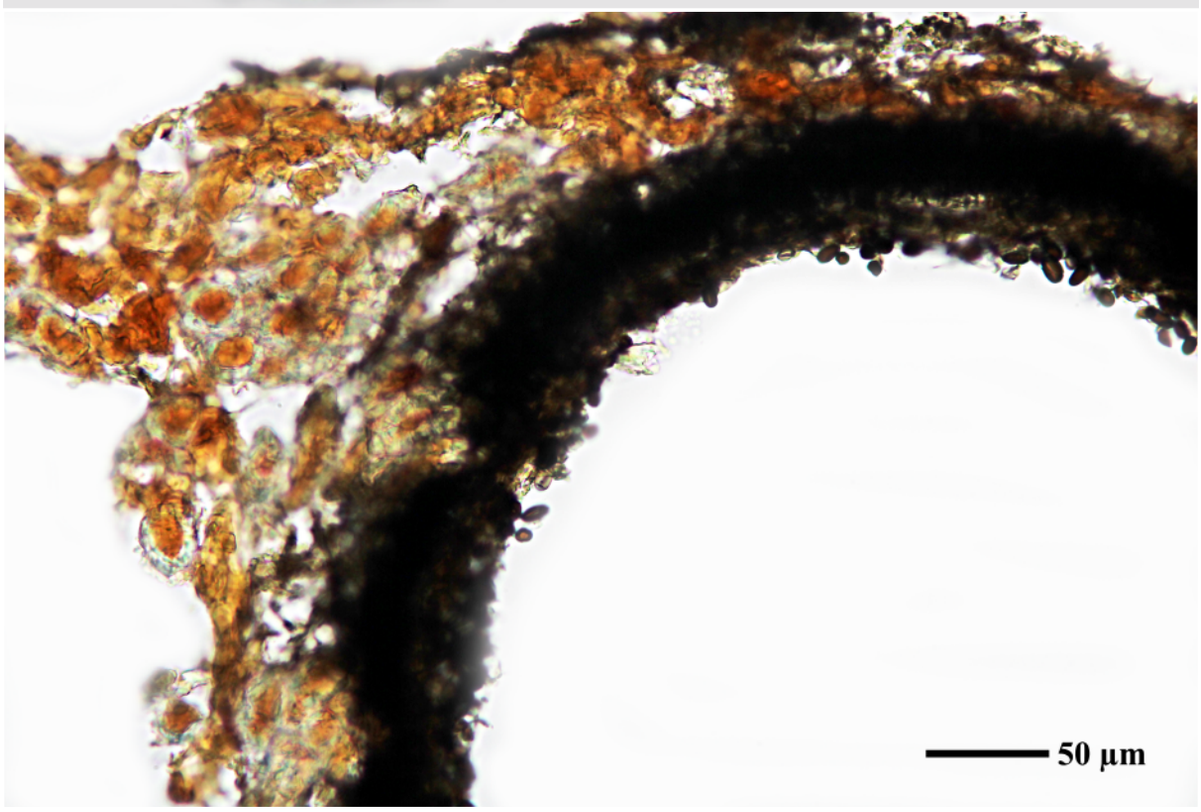


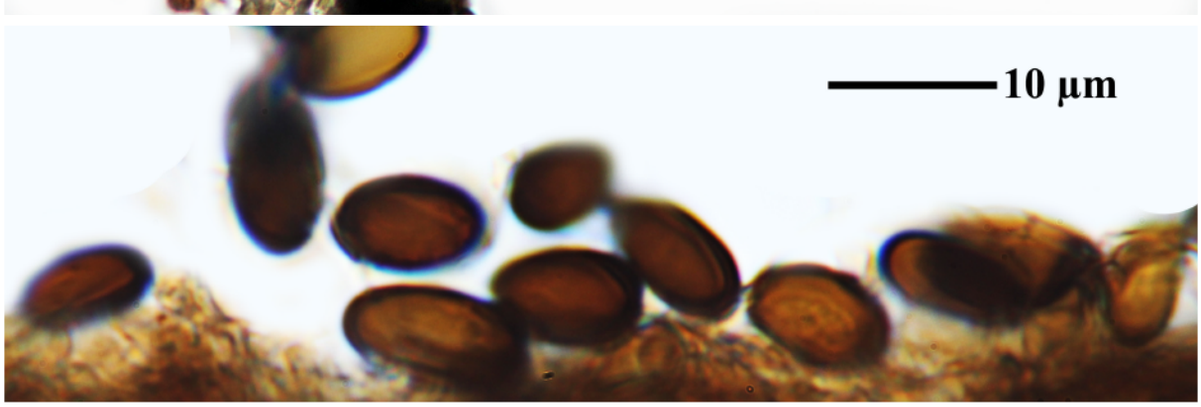




Biscogniauxia sp.



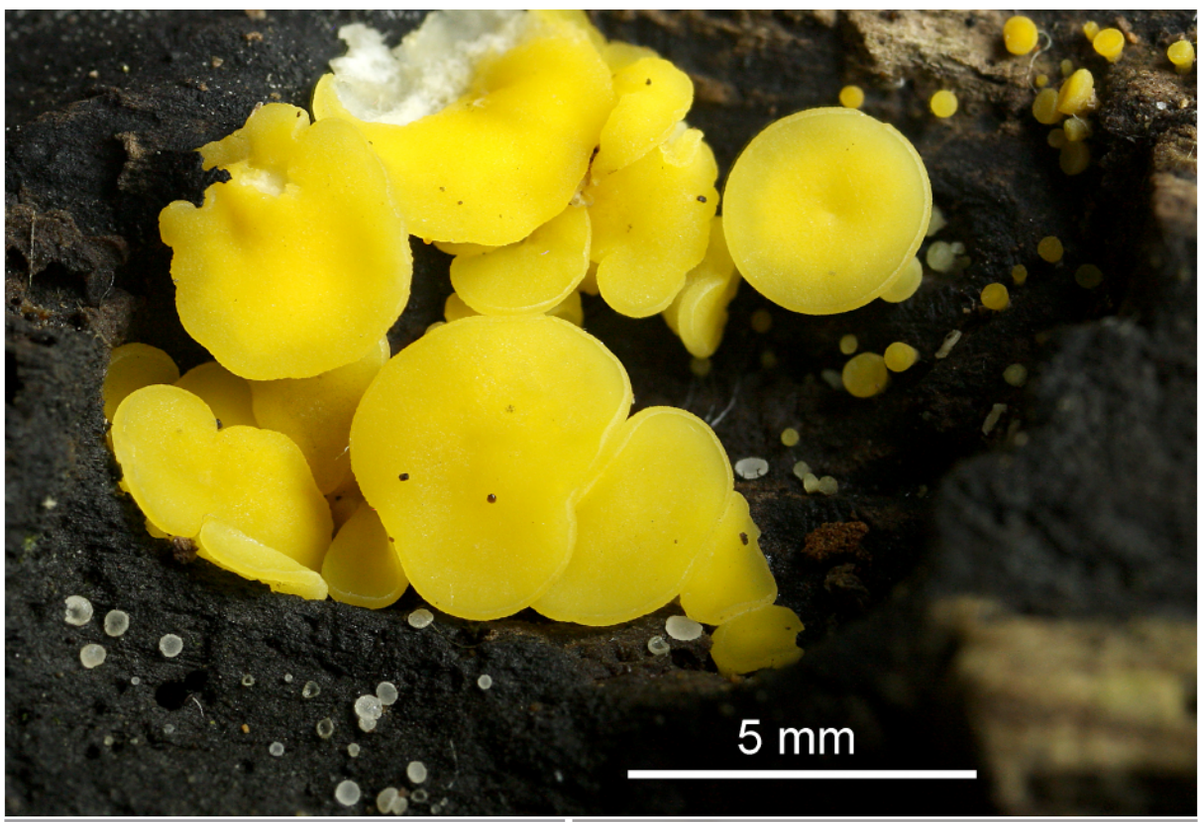




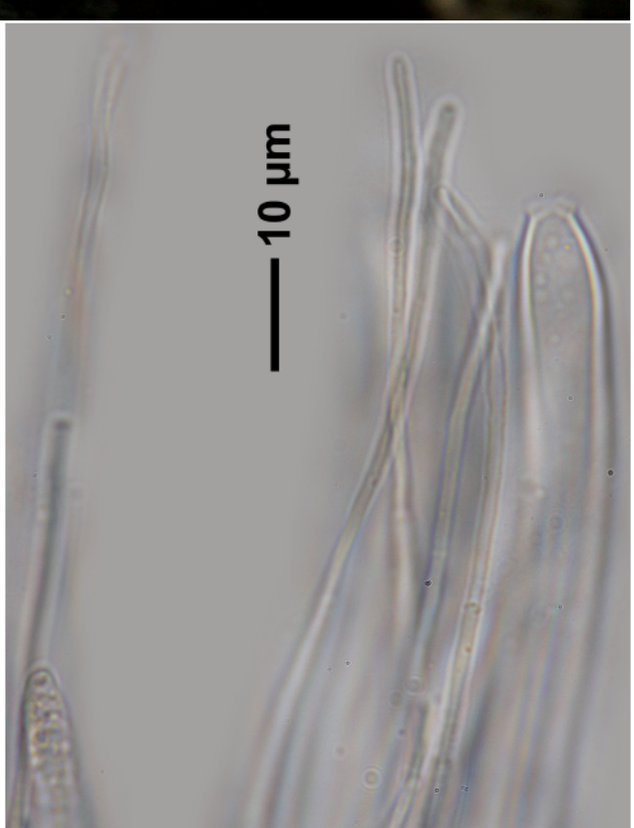
Biscogniauxia sp.

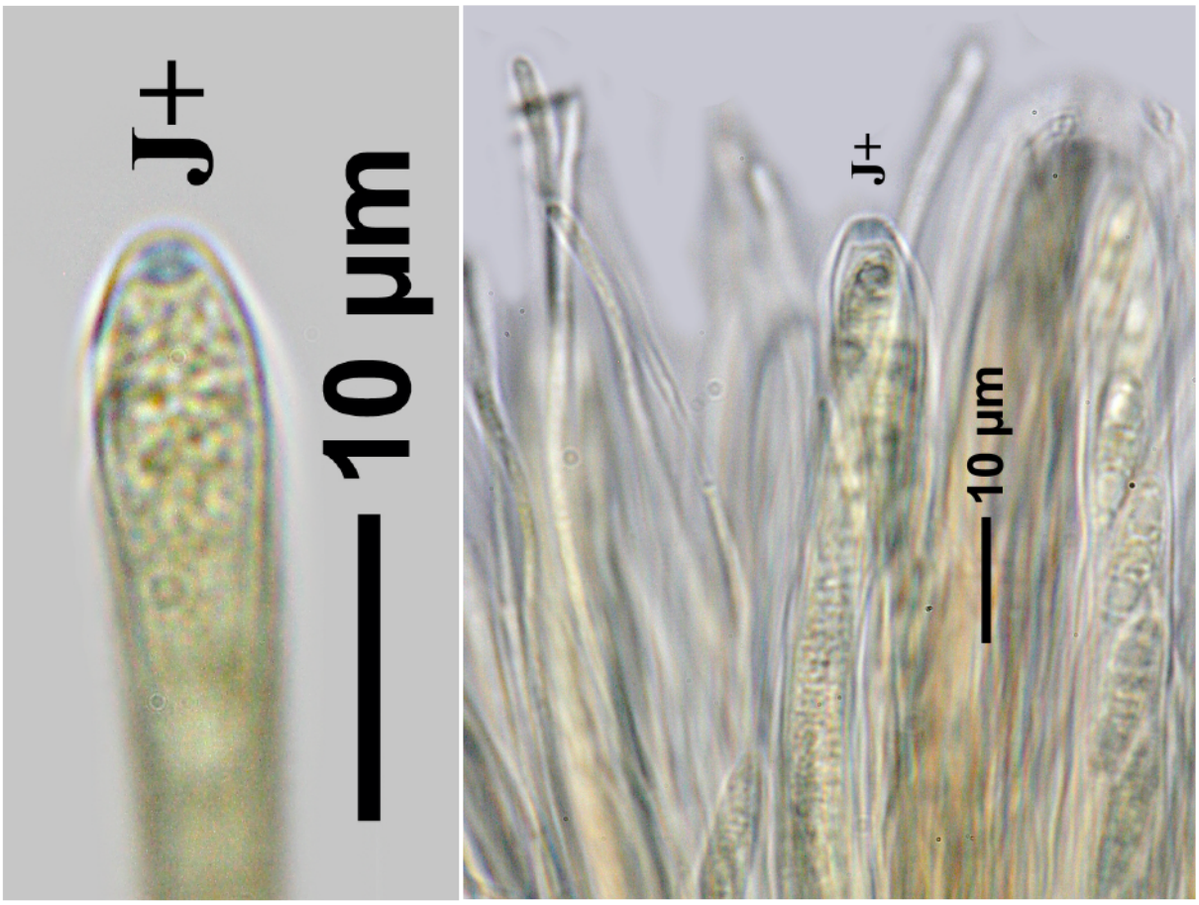
Bisporella citrina (Batsch) Korf & S.E. Carp.
vel ***Bisporella confluens*** (Sacc.) Korf & Bujak.

[ggf im Herbarium H.-O. Baral], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, auf am Boden liegenden verrottetem Ast im Laubwald, am S-Rand des Wäldchens „Reutgarten“ auf dem Weg zu den „Wangener Linden“. Leg. Schumm 05.10.2012, det. Baral 11.10.2012.









Bisporella citrina vel ***confluens***

Bulgaria inquinans Fr.
Schmutzbecherling

Asci apical mit J+ blauer Röhrenstruktur. Sporen braun, 8/Ascus jedoch meist nur 4 entwickelt. Paraphysen unverzweigt.

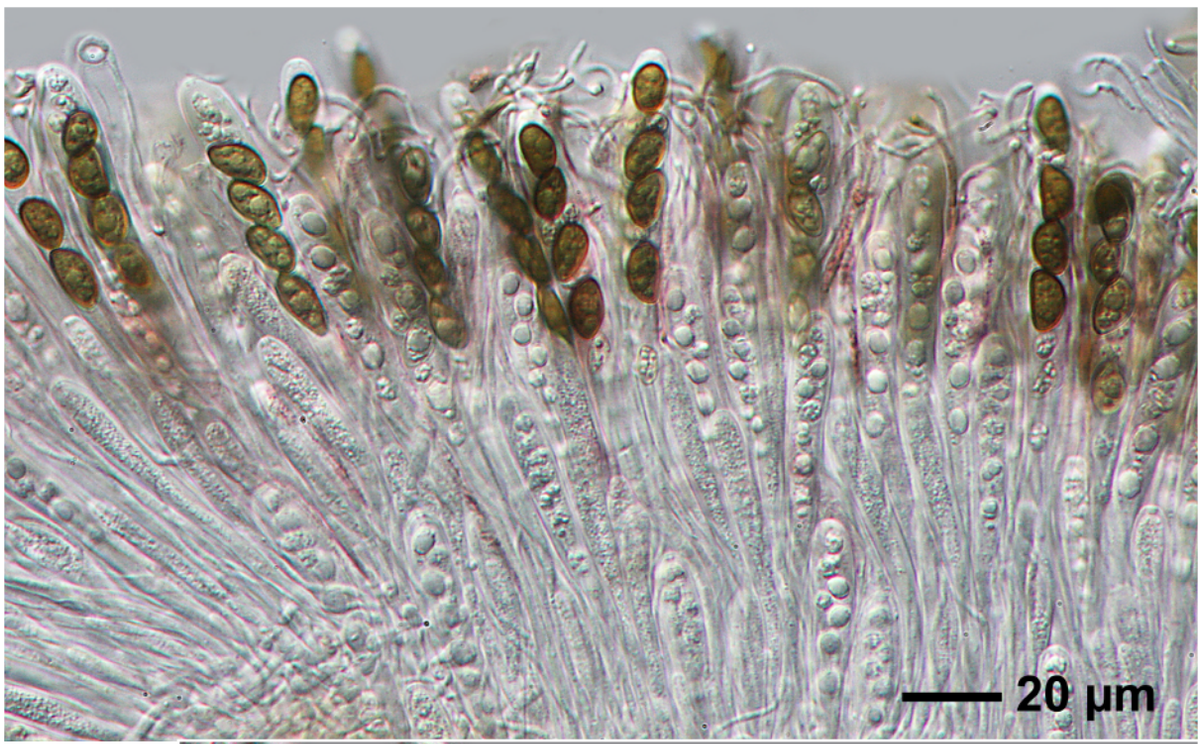
[18581], Germany, Baden-Württemberg, Kreis Göppingen, zwischen Wangen und Unterberken, ehemaliges Militärdepot, 48.75052° N, 9.57469° E, 480 m, an gefällten Eichen. Leg. et det. Schumm 20.09.2012.

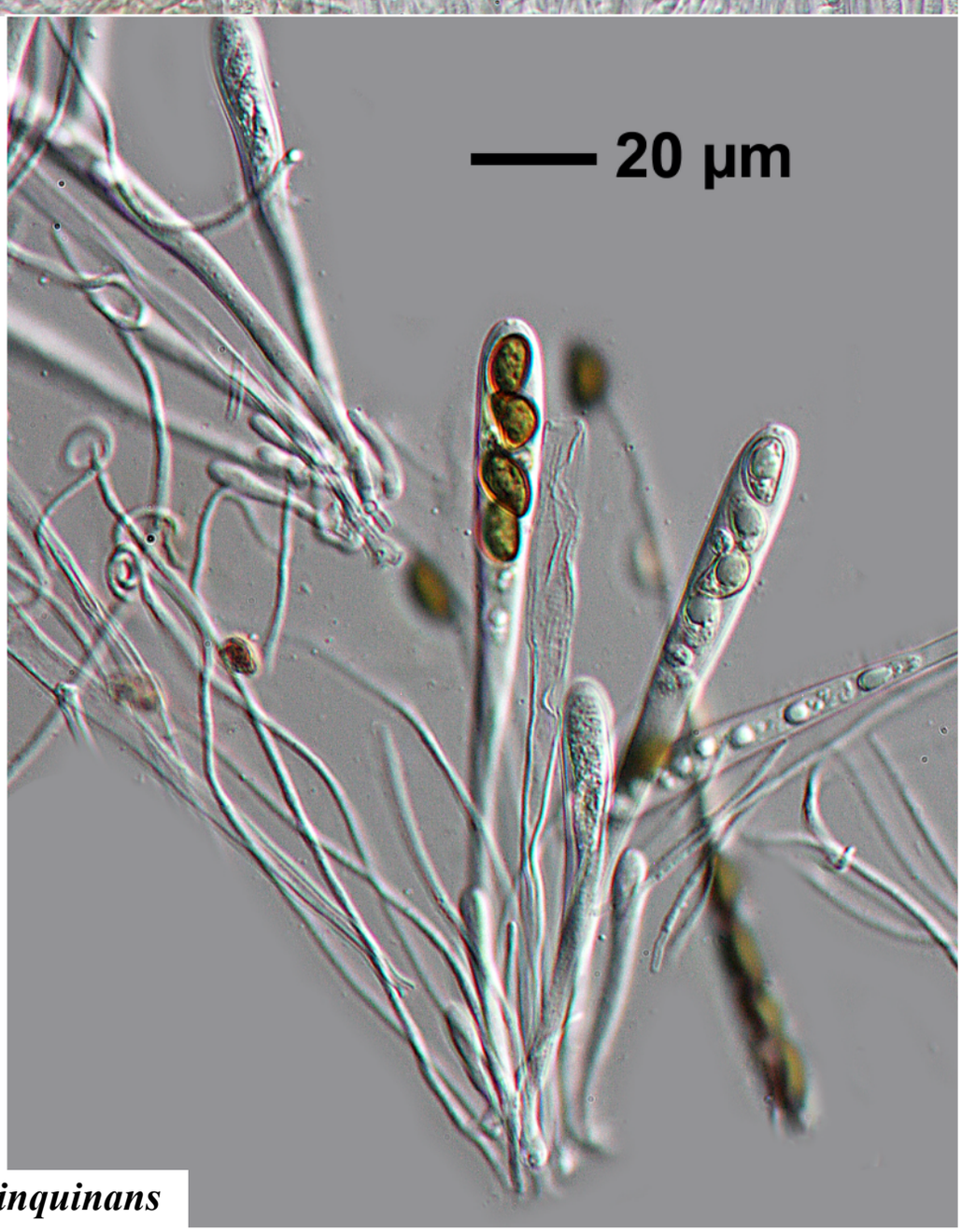




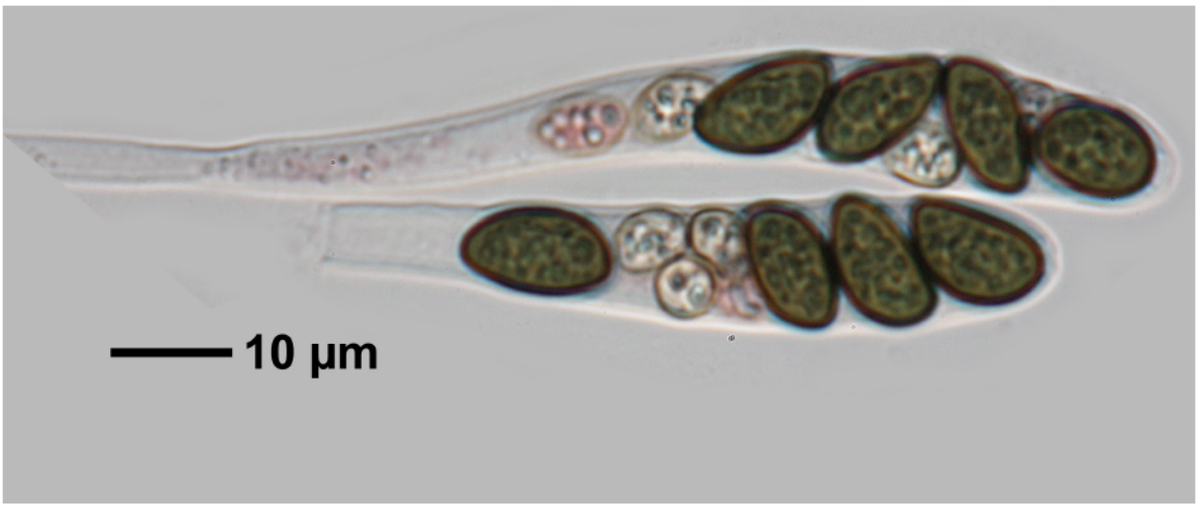


Bulgaria inquinans

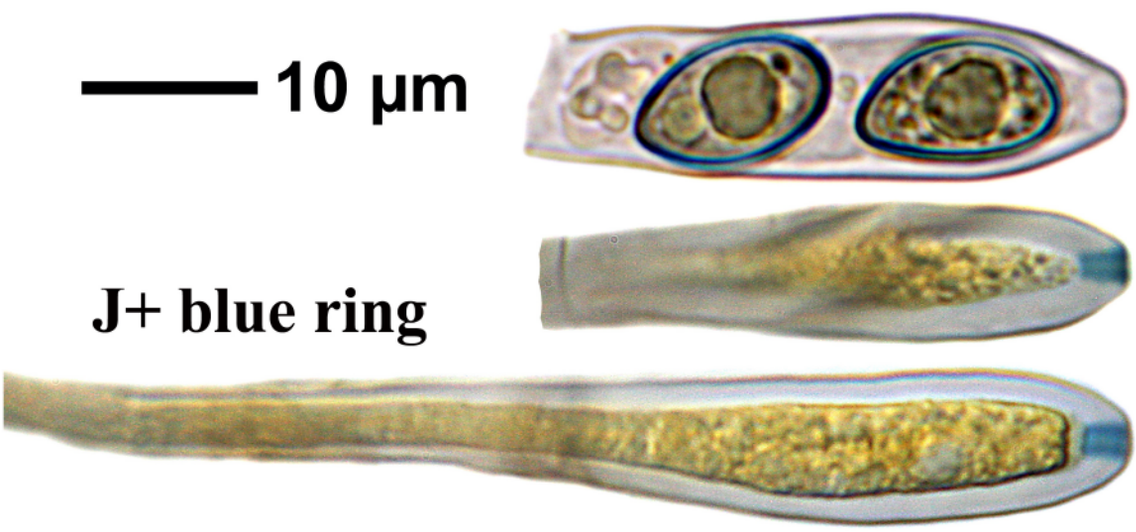




Bulgaria inquinans







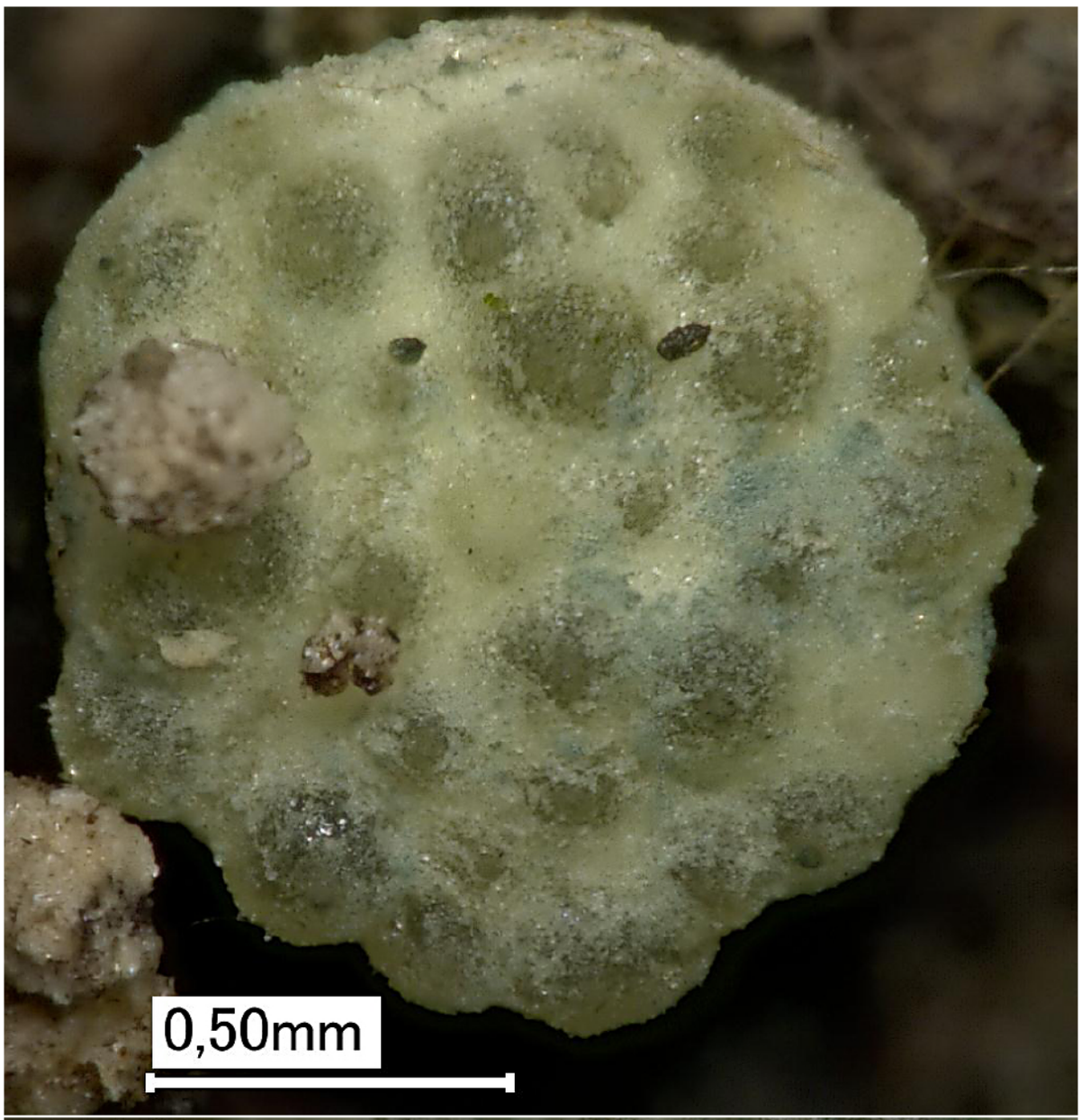
Bulgaria inquinans

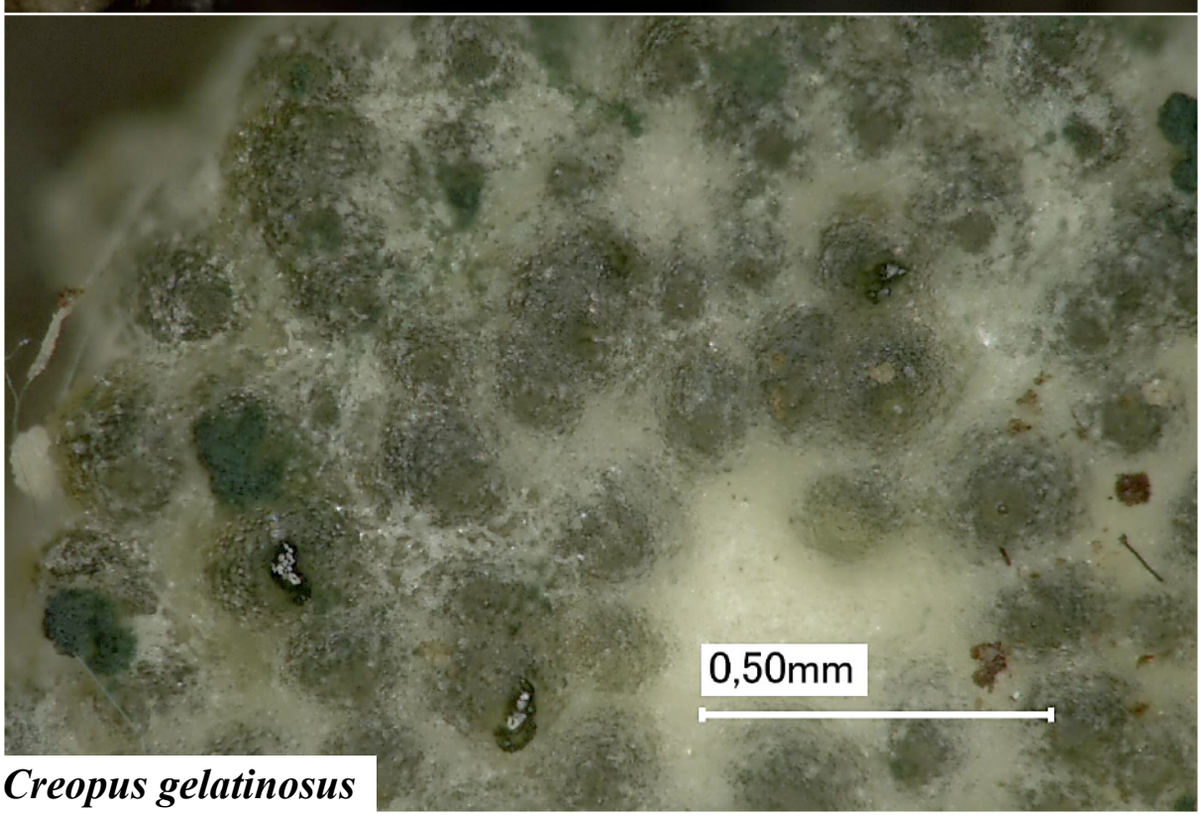
Creopus gelatinosus (Tode ex Fr.) Link
Gelatinöser Kugelpustelpilz

Sporen uniseriat, dunkelgrün warzig, 5.2-6.3 x 3.8-4.5 µm, 16/Ascus.

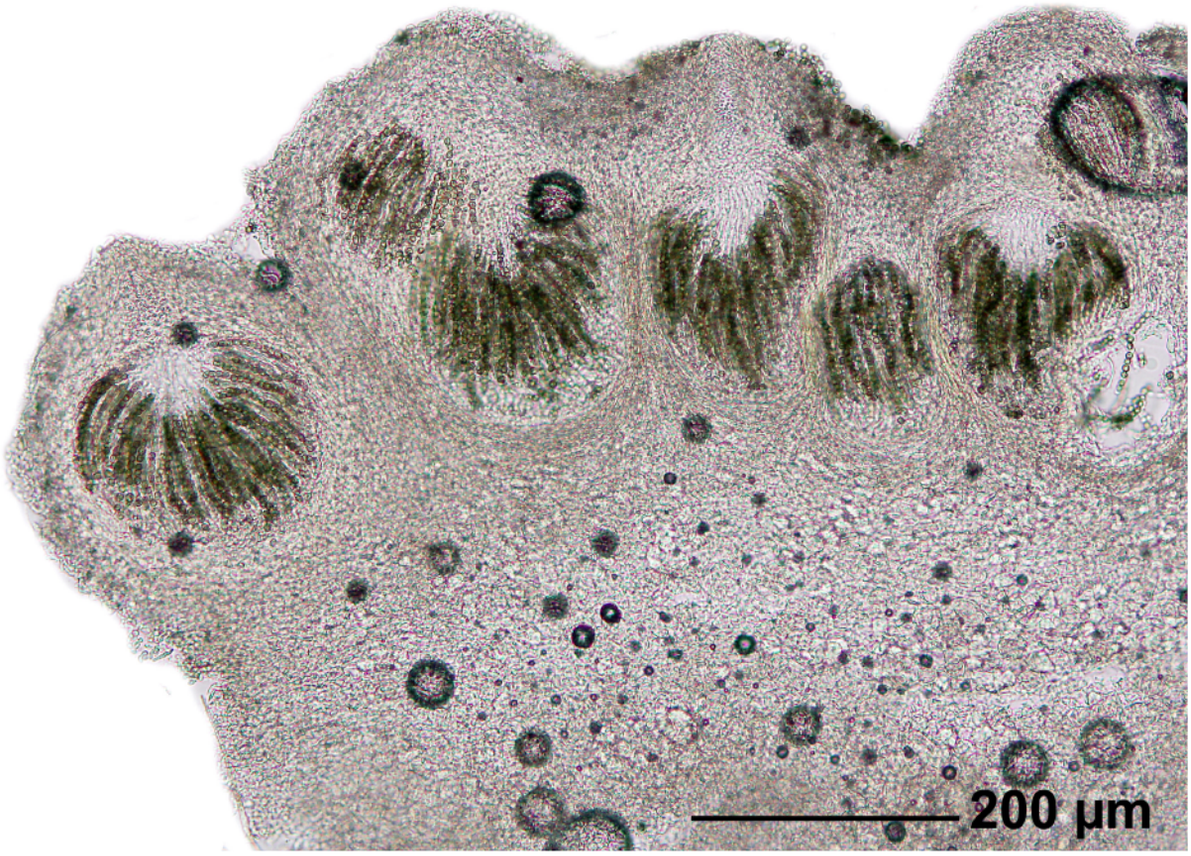
[18582], Germany, Baden-Württemberg, Kreis Göppingen, Göppingen, Waldgebiet Oberholz östlich vom Stauferpark, an morschen am Boden liegenden Ästen. 48°42.989’ N, 9°40.489’ E. Leg. et det. Schumm 02.10.2012.

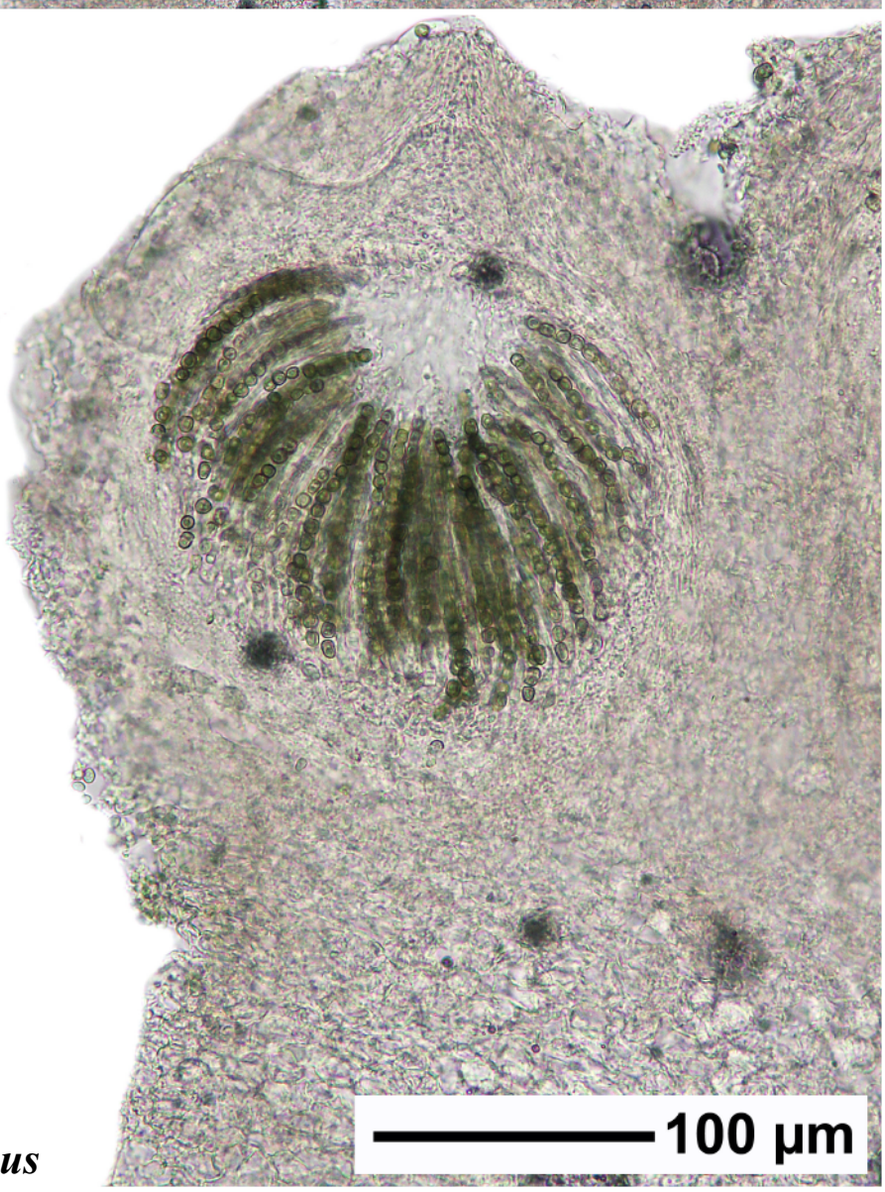




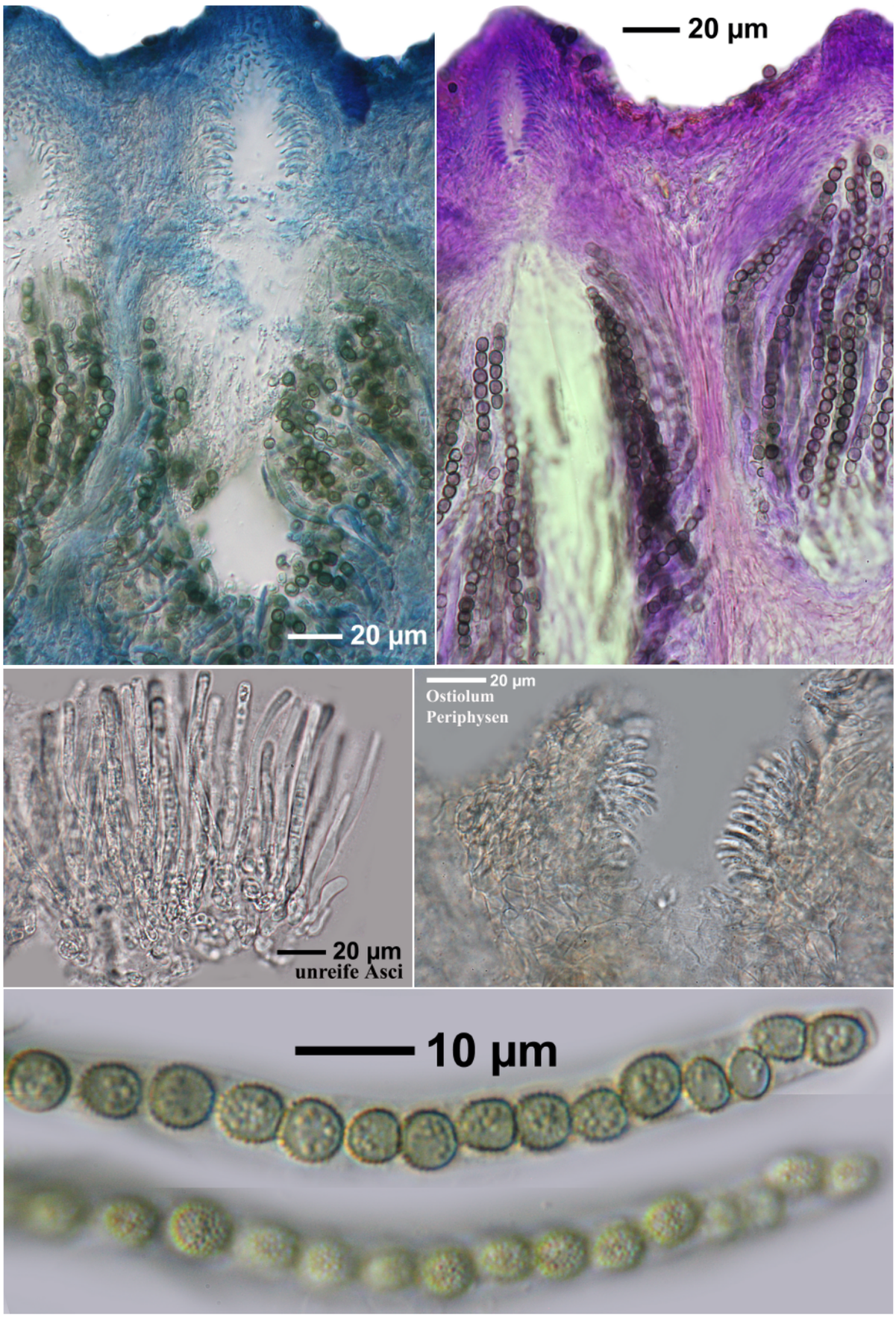


Creopus gelatinosus

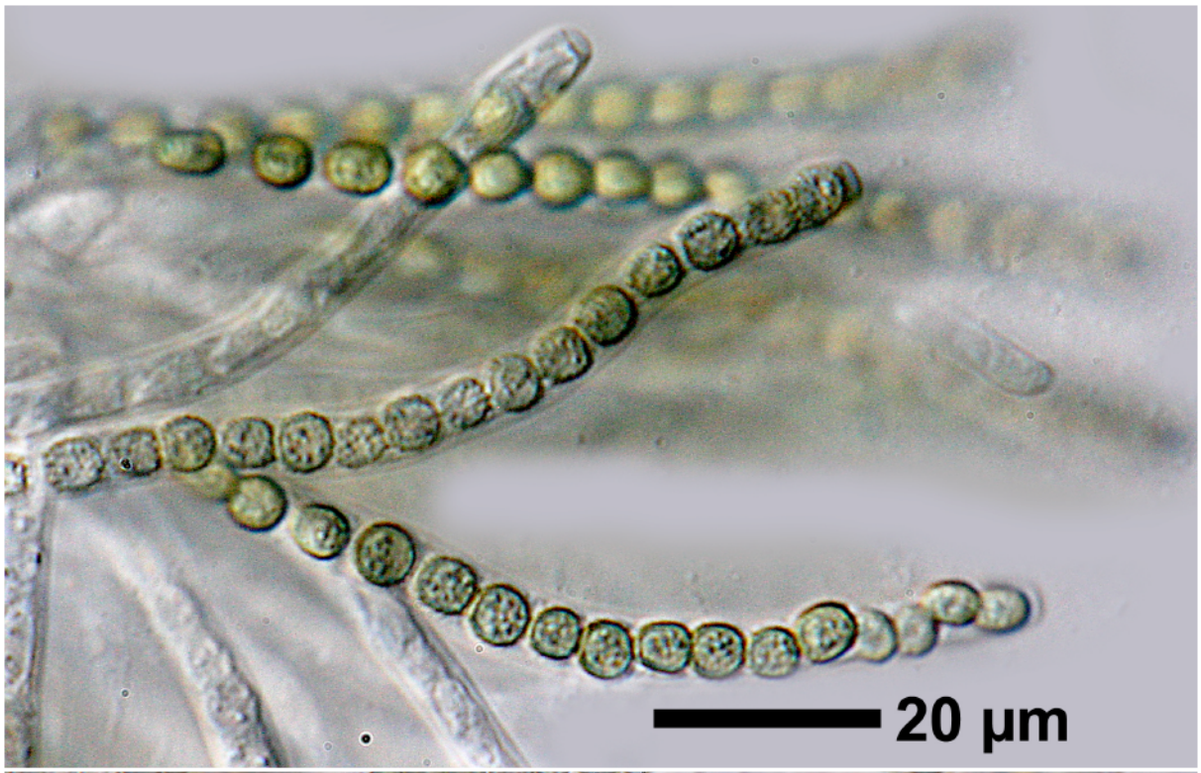


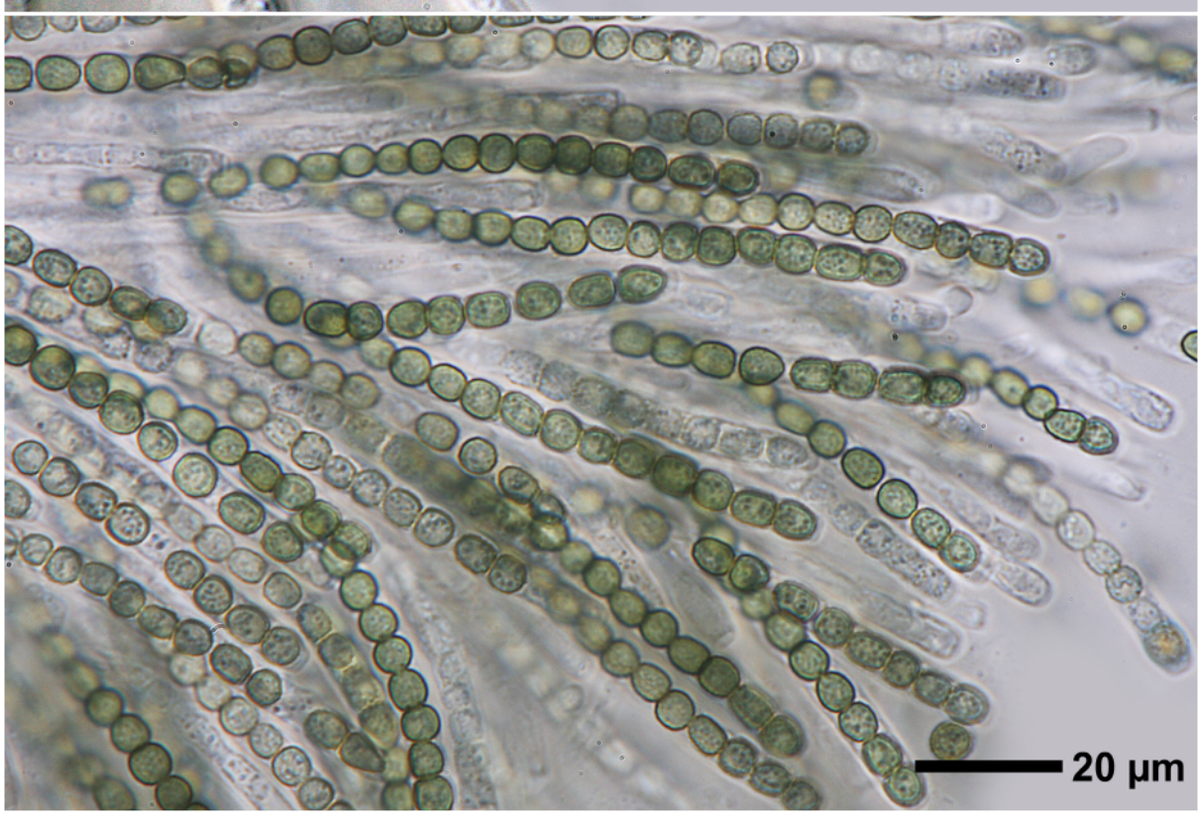


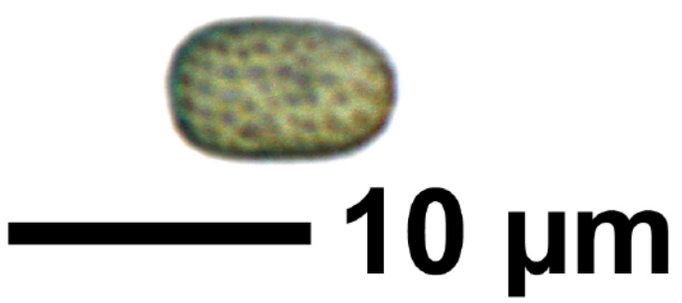
Creopus gelatinosus



Creopus gelatinosus





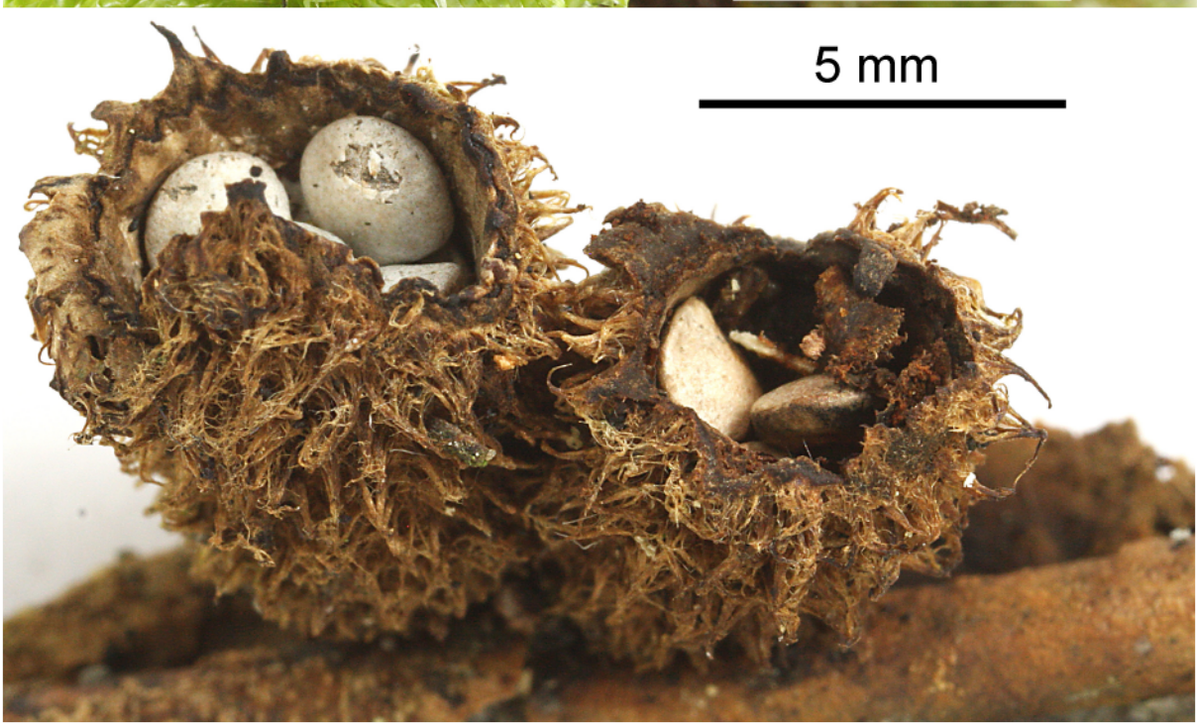


Creopus gelatinosus

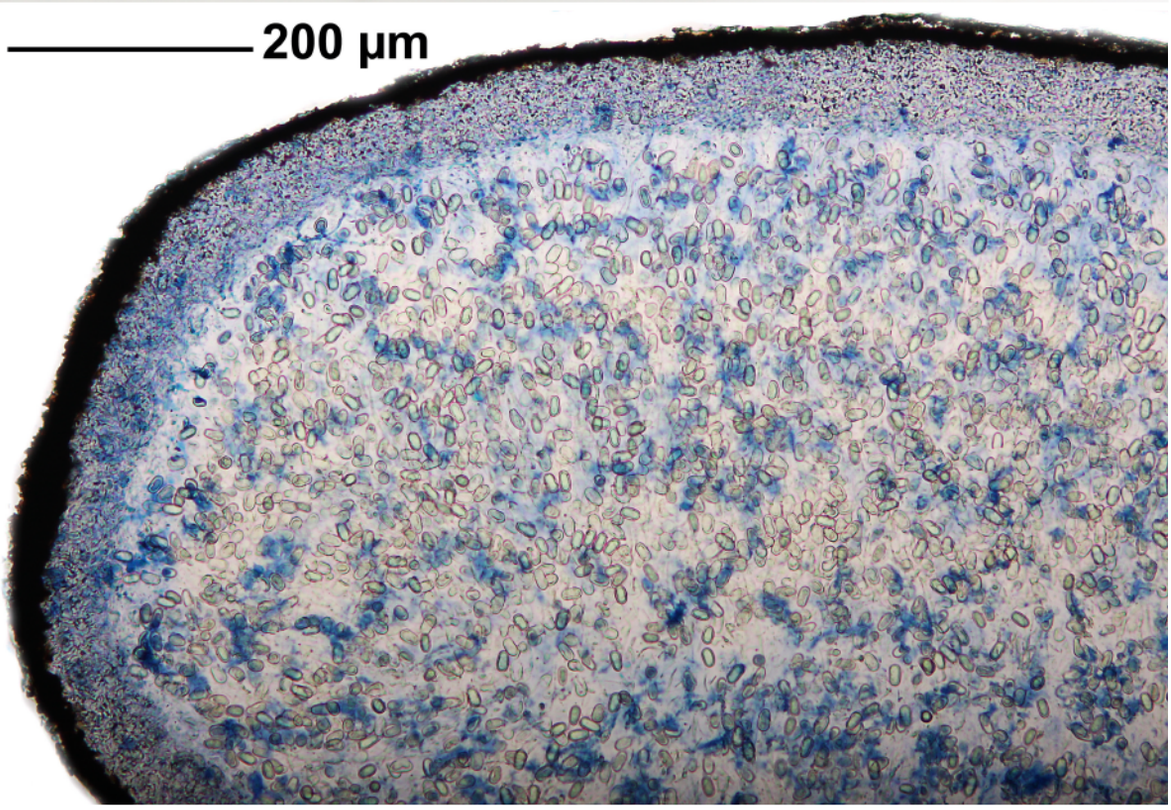
Cyathus striatus (Huds. ex Pers.) Willd. ex Pers.
gestreifter Teuerling

[18583], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, zwischen Moosen auf morschem Holz am S-Rand des Wäldchens „Reutgarten“ auf dem Weg zu den „Wangener Linden“. Leg. Schumm 05.10.2012, det. Schumm.

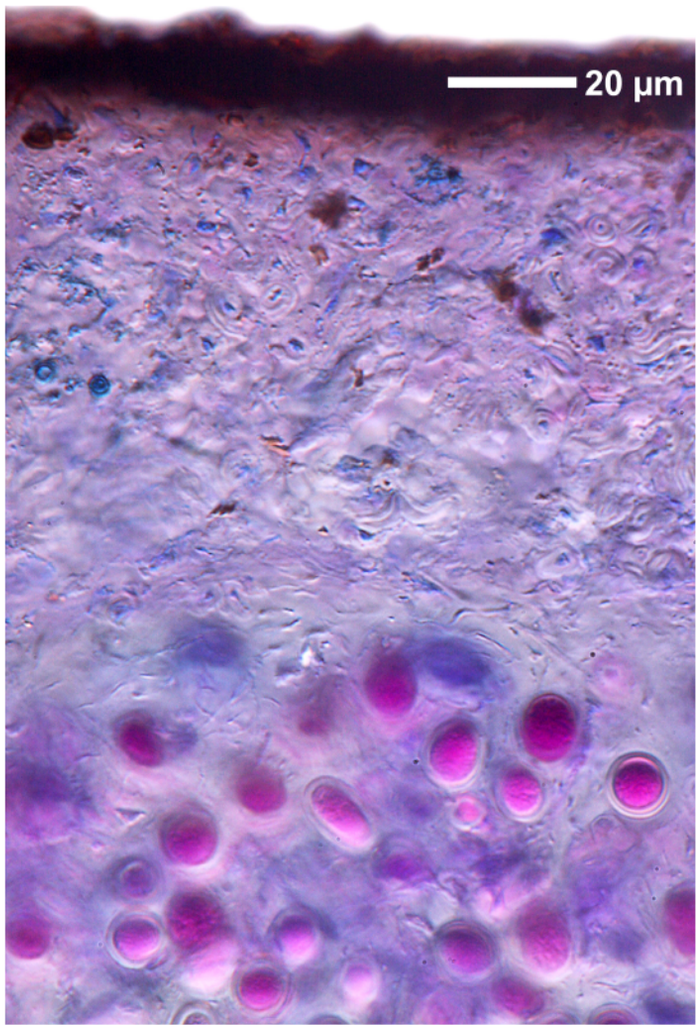


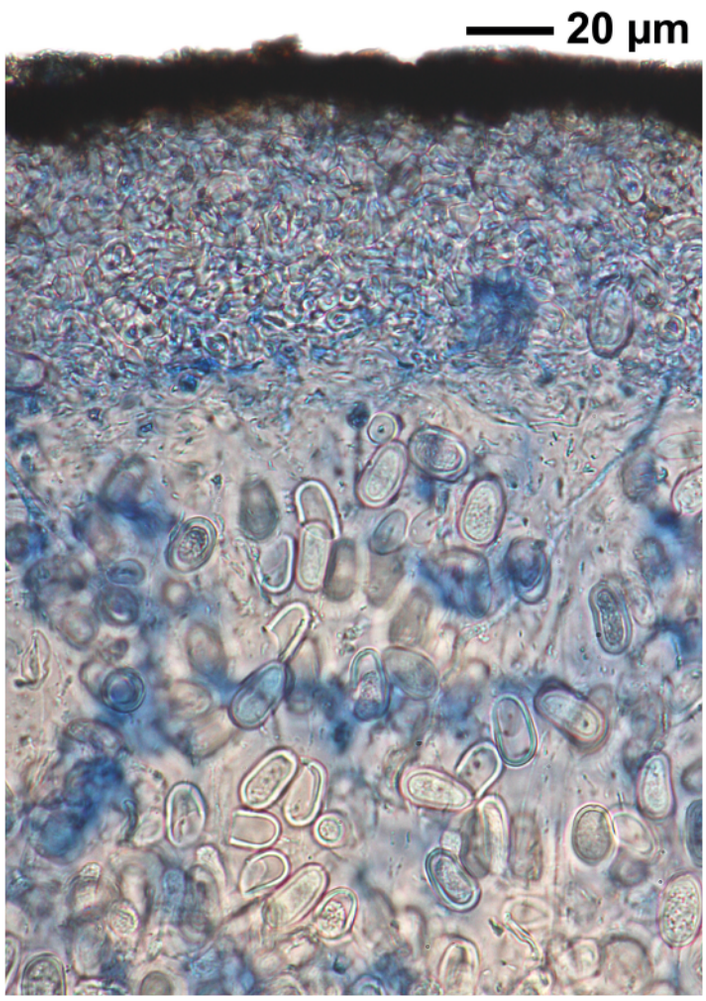






Cyathus striatus





Cyathus striatus

Epicoccum purpurascens Ehrenb.

Pulverige, schwarze Sporodochien. Konidien rund, braun, muriform mehrzellig, stark warzig.
Zusammen mit ***Alternaria tenuissima*** (Kunze) Wilshire.

[18471], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, im Garten der Mozartstr. 9, auf *Ribes*; 48.72438° N, 9.60362° E, 379 m.
Leg. et det. Schumm 09.09.2012

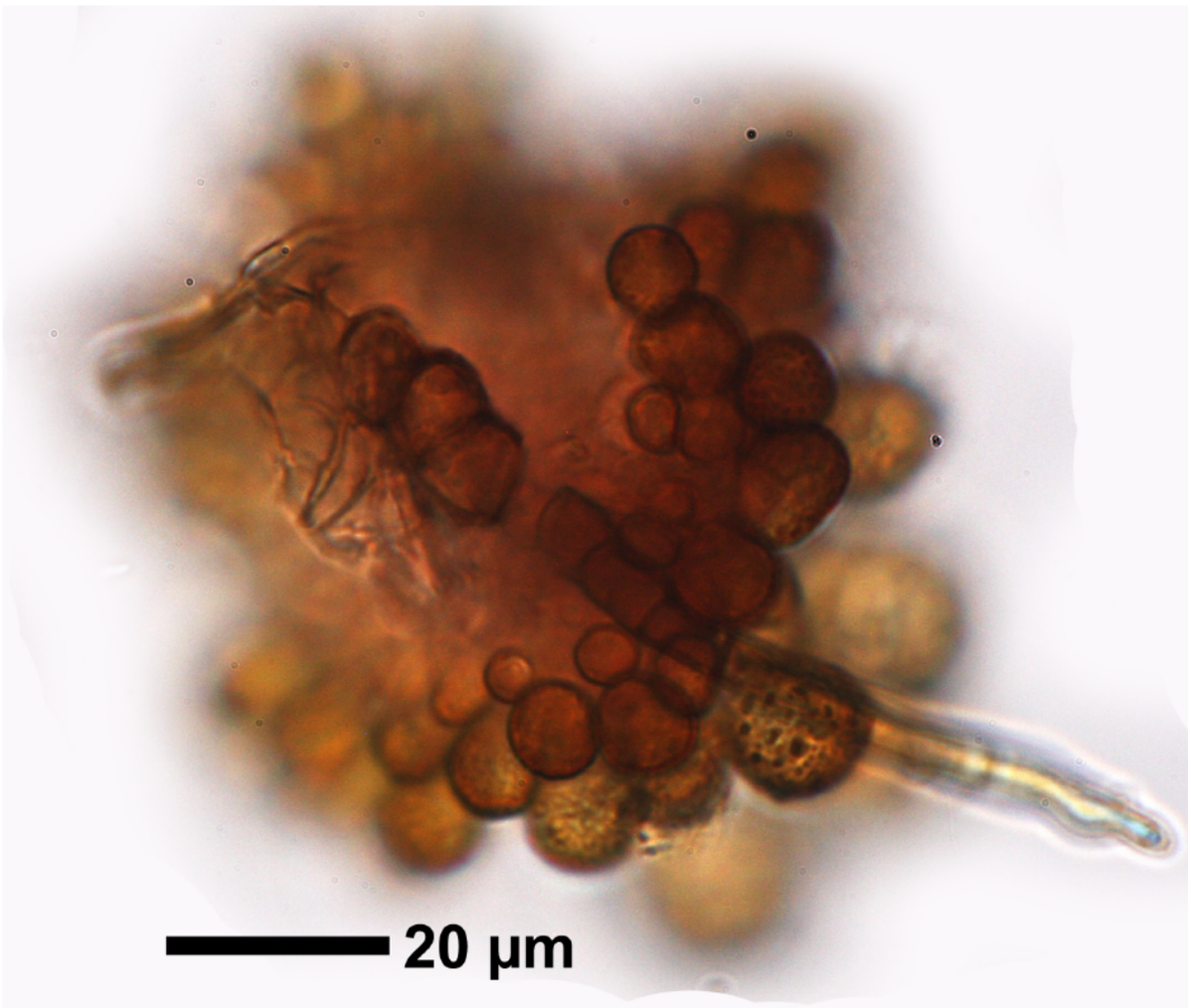


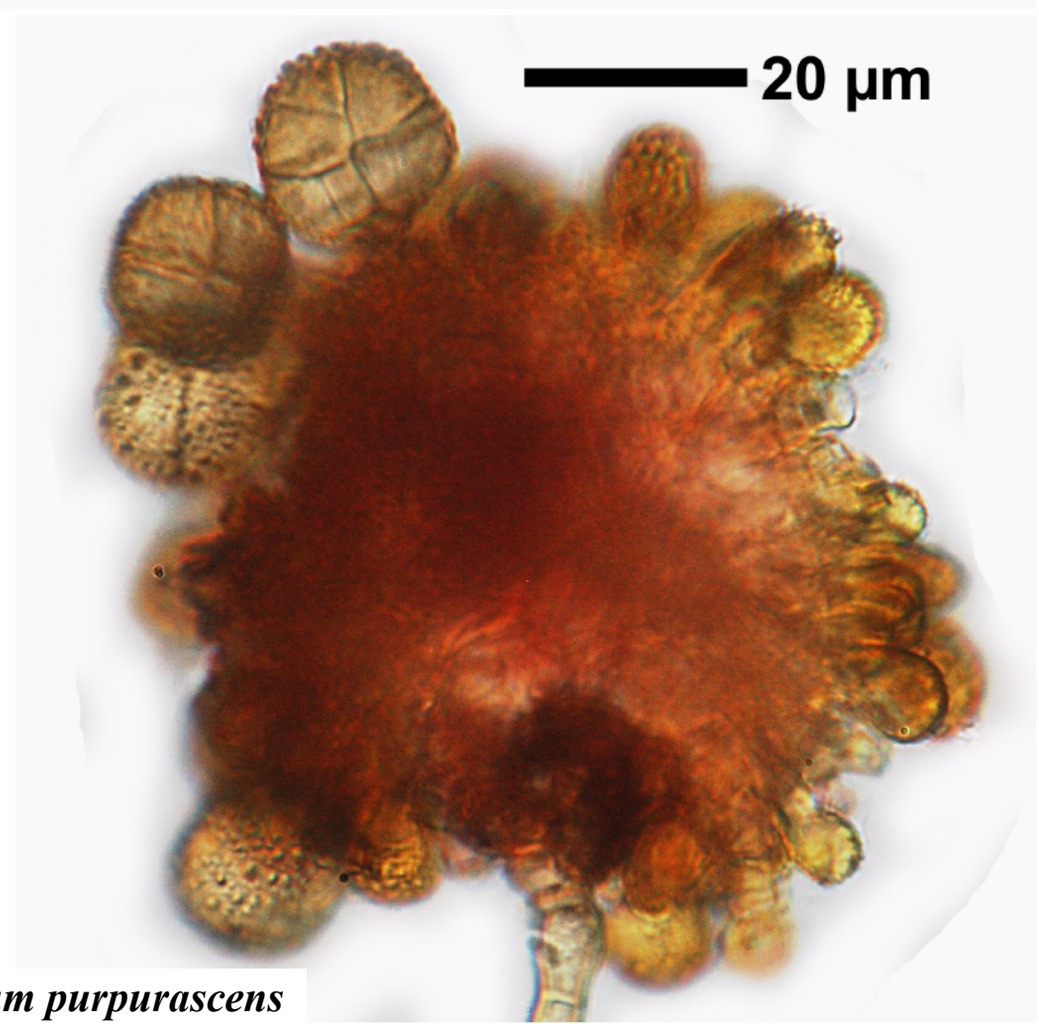




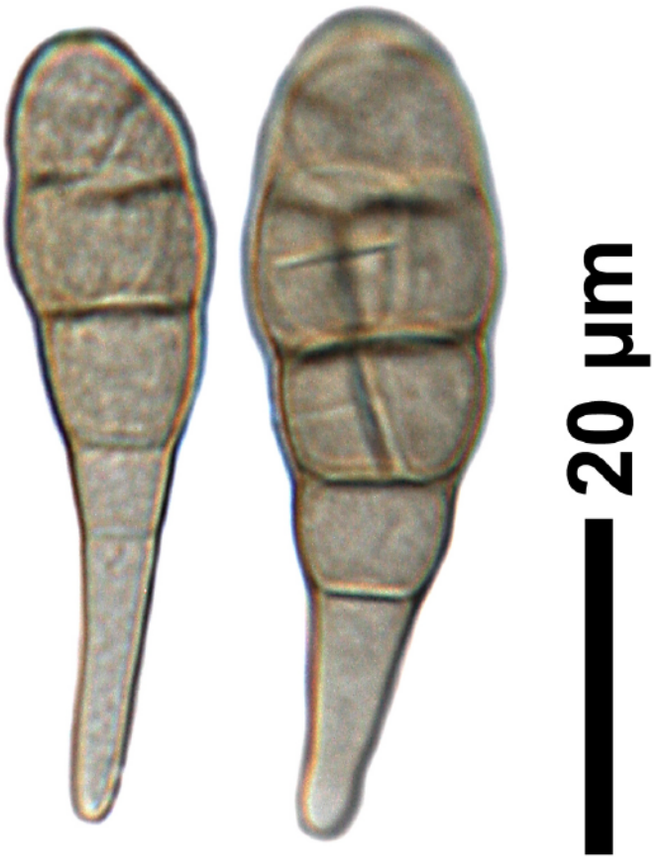


Epicoccum purpurascens





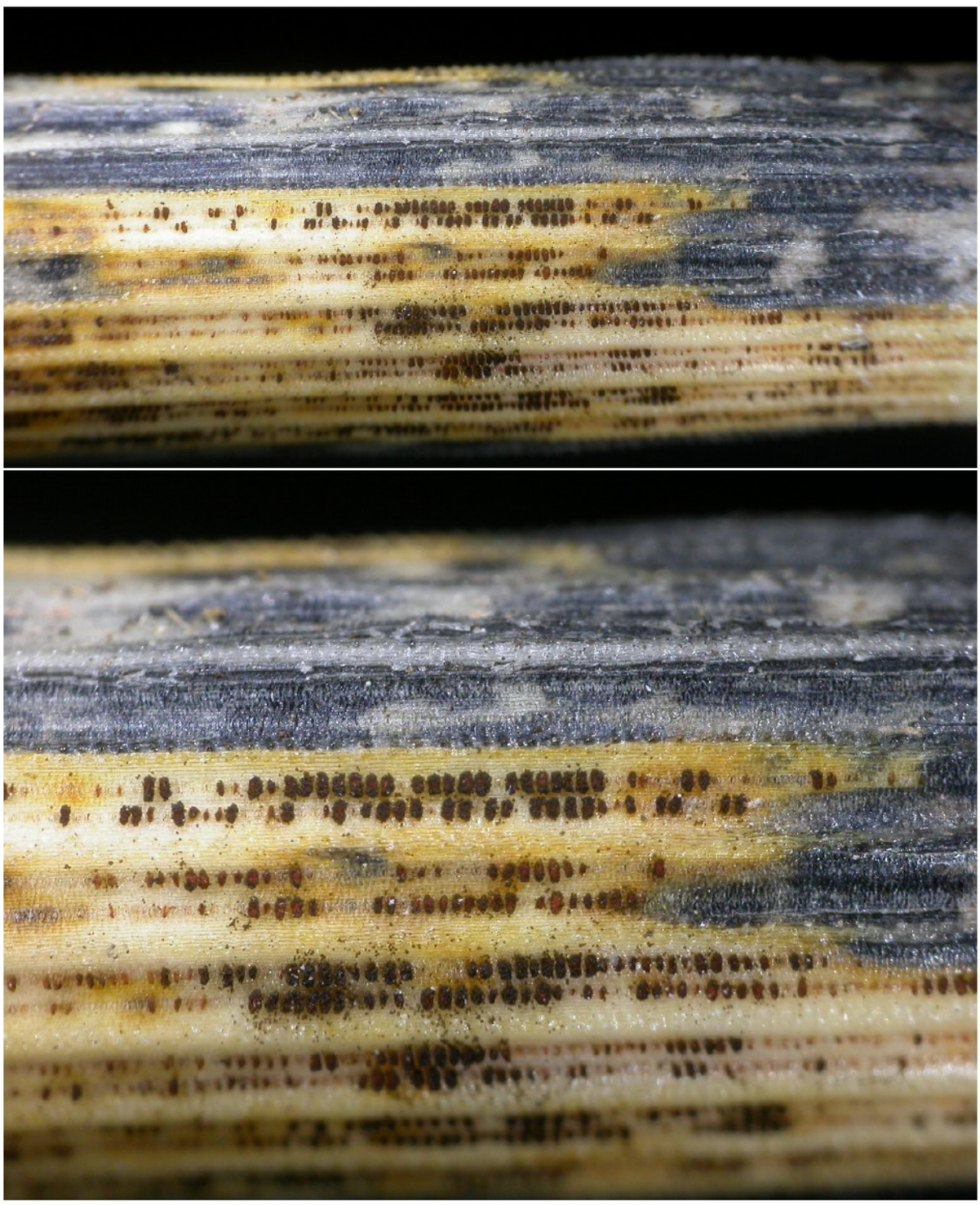
Epicoccum purpurascens

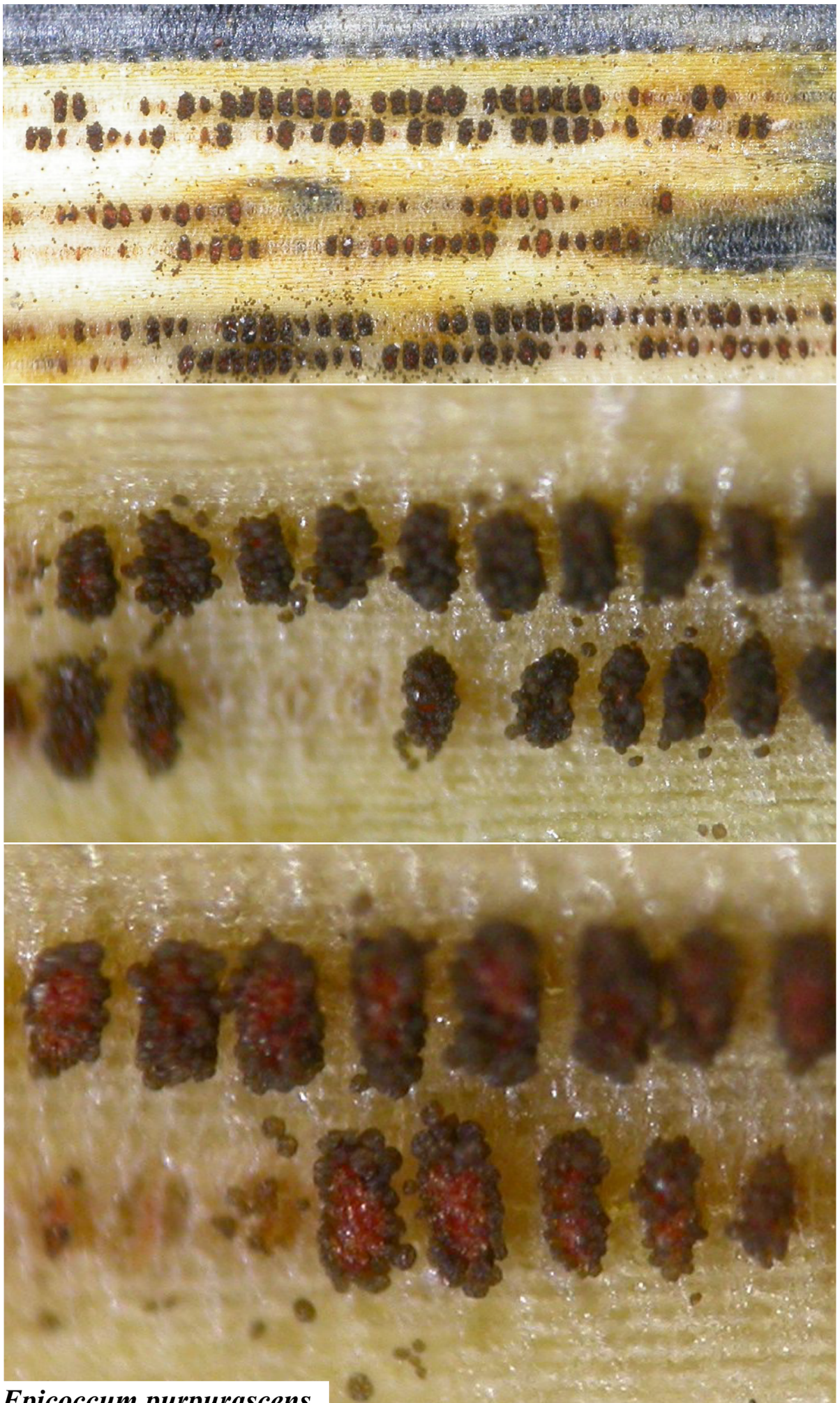


Alternaria tenuissima

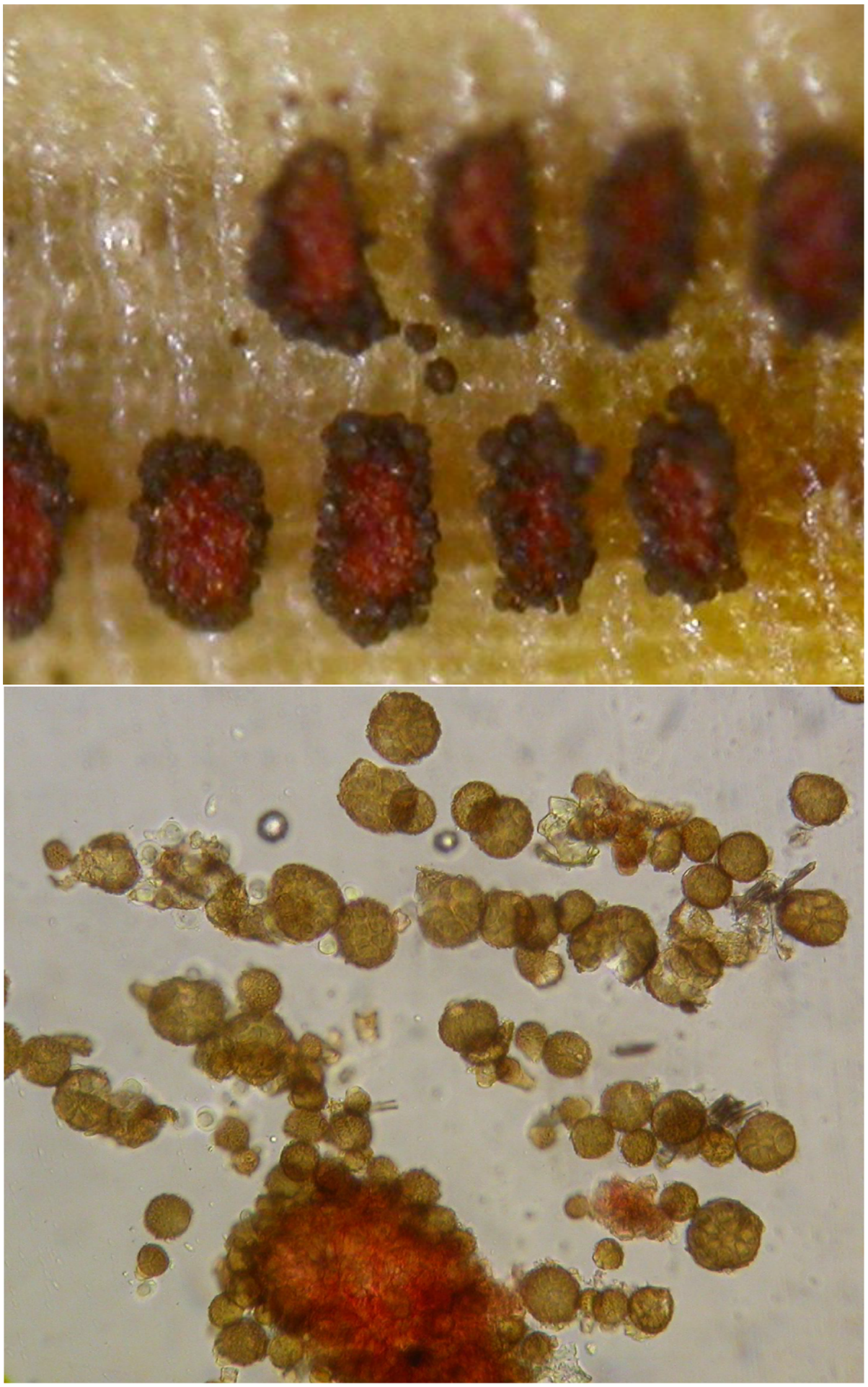
Epicoccum purpurascens Ehrenb.

Bilder von Hans-Otto Baral.

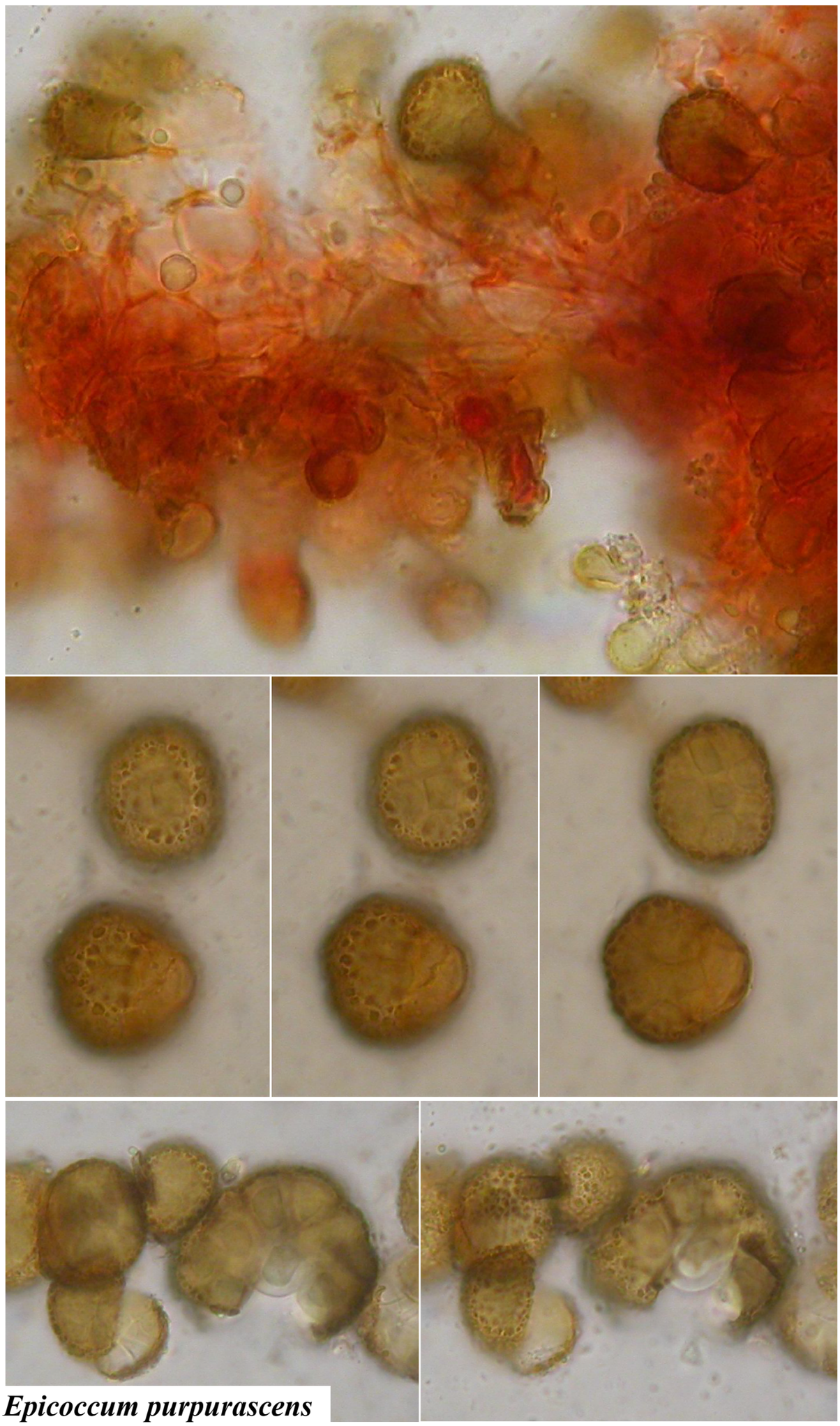




Epicoccum purpurascens



Epicoccum purpurascens

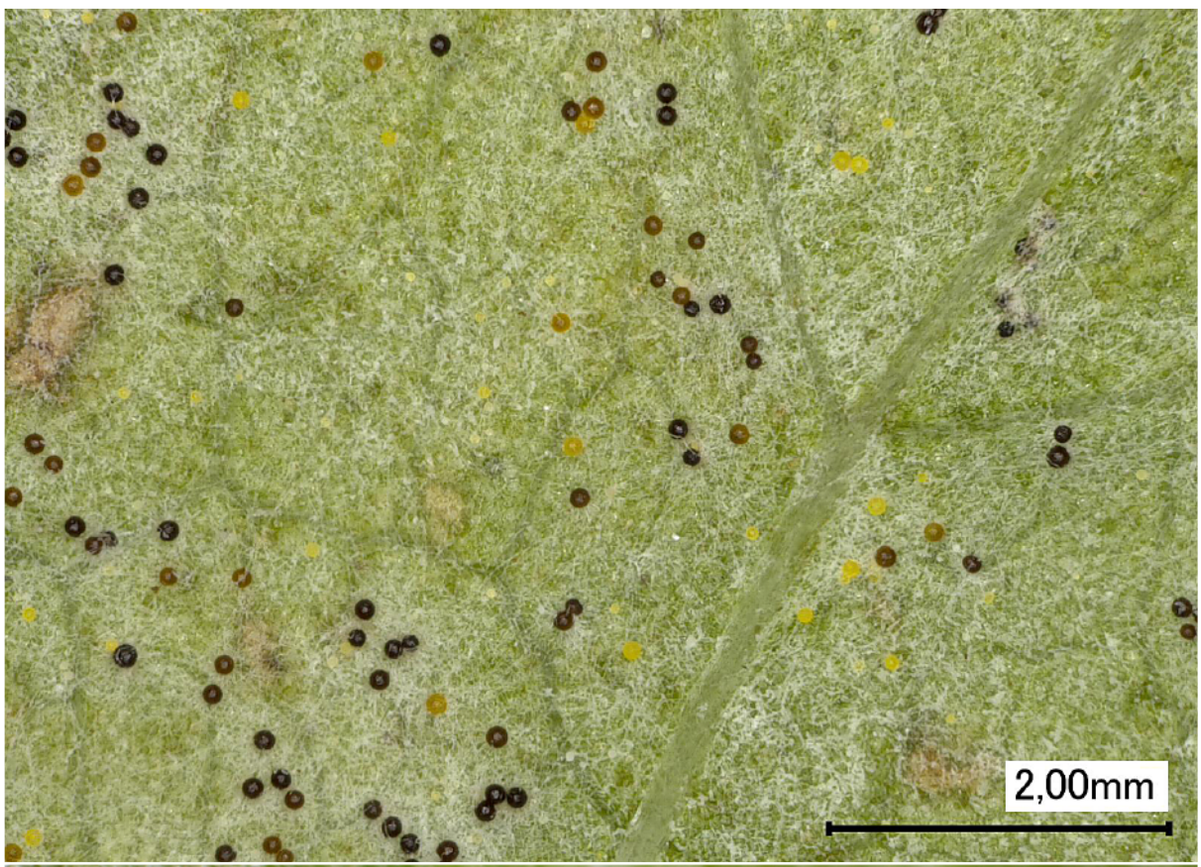


Epicoccum purpurascens

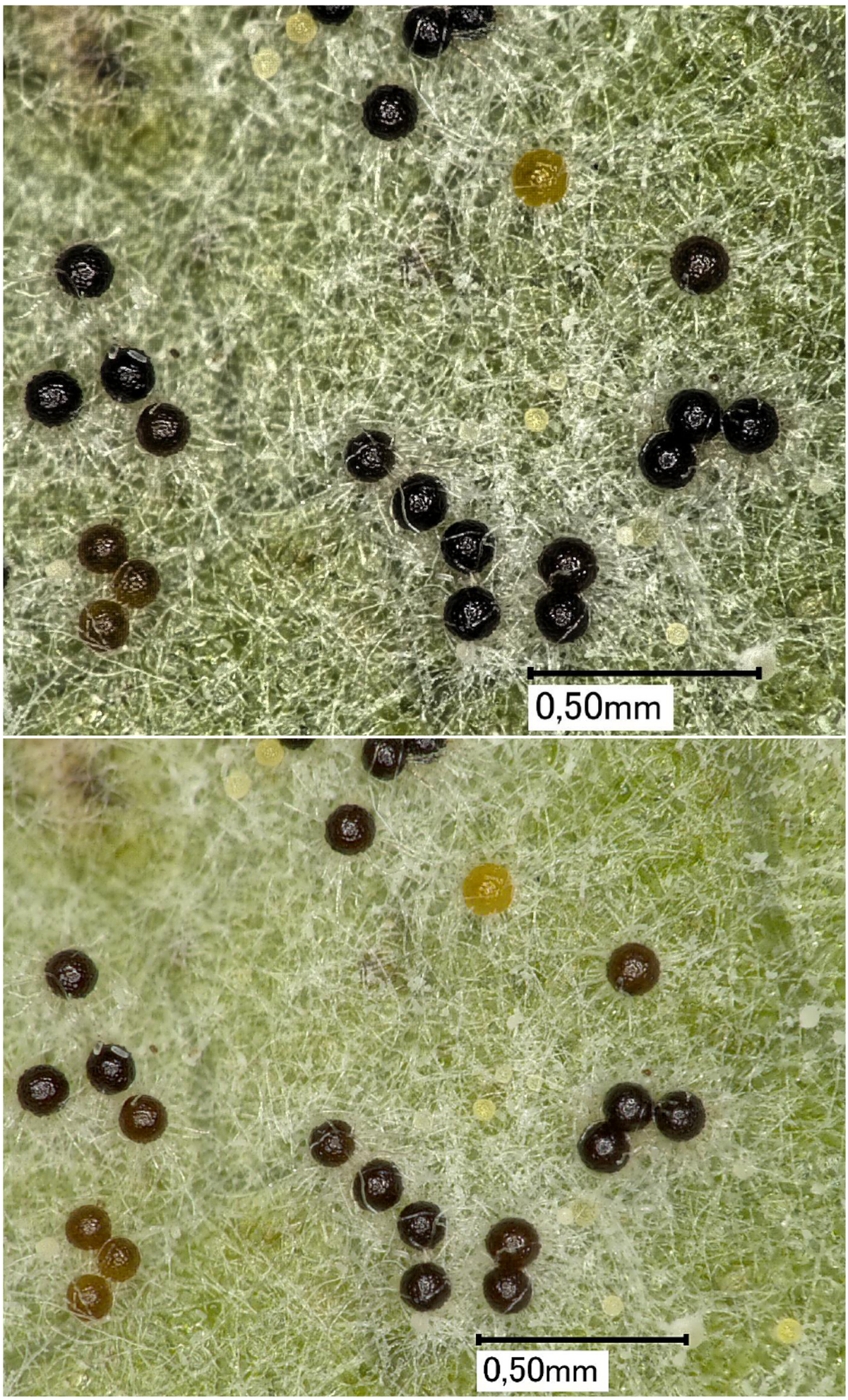
Erysiphe convolvuli De Candolle

Sporen hyalin, 1-zellig, 4/Ascus.

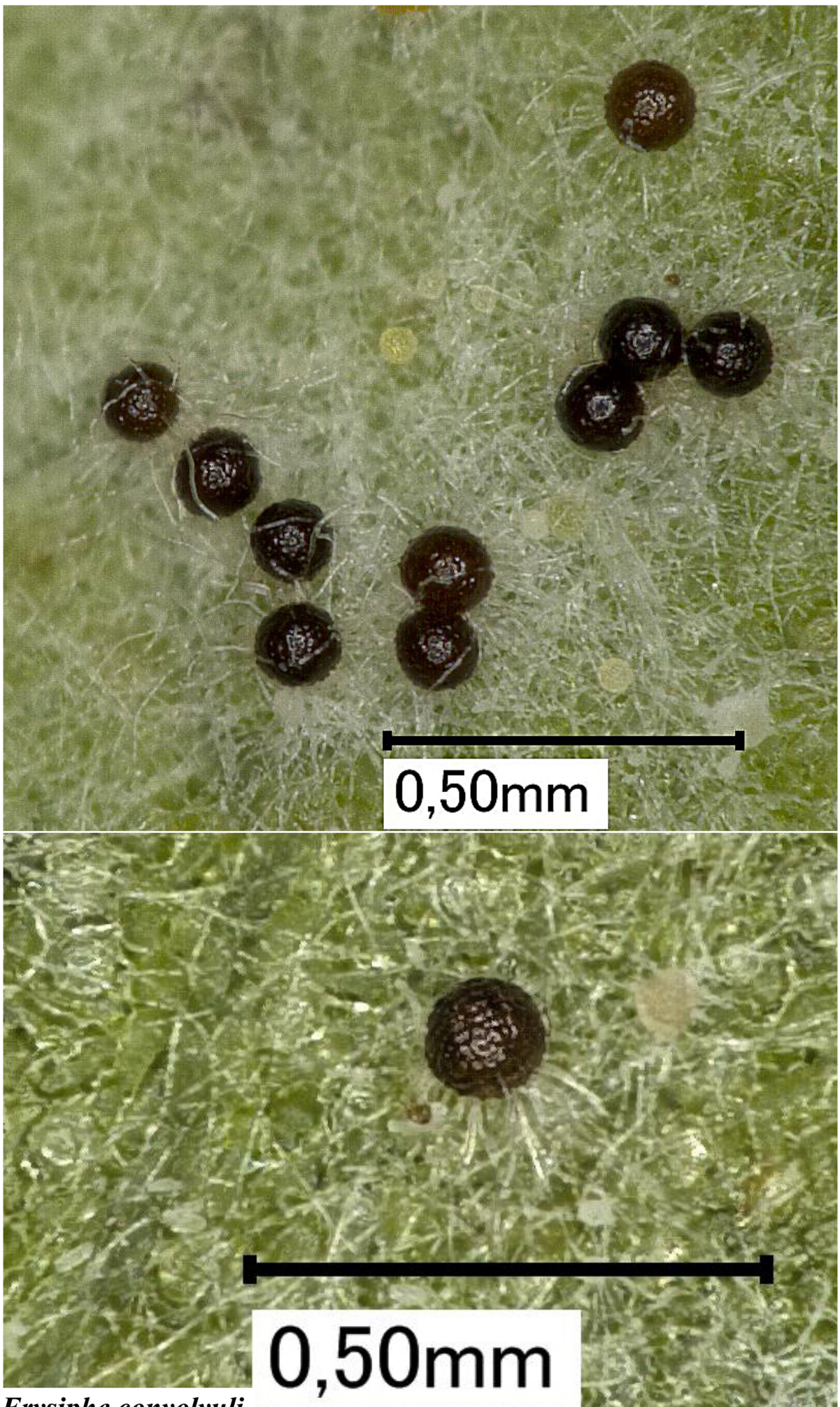
[18468], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, im Garten der Mozartstr. 9, auf *Convolvulus*; 48.72438° N, 9.60362° E, 379 m. Leg. et det. Schumm 09.09.2012



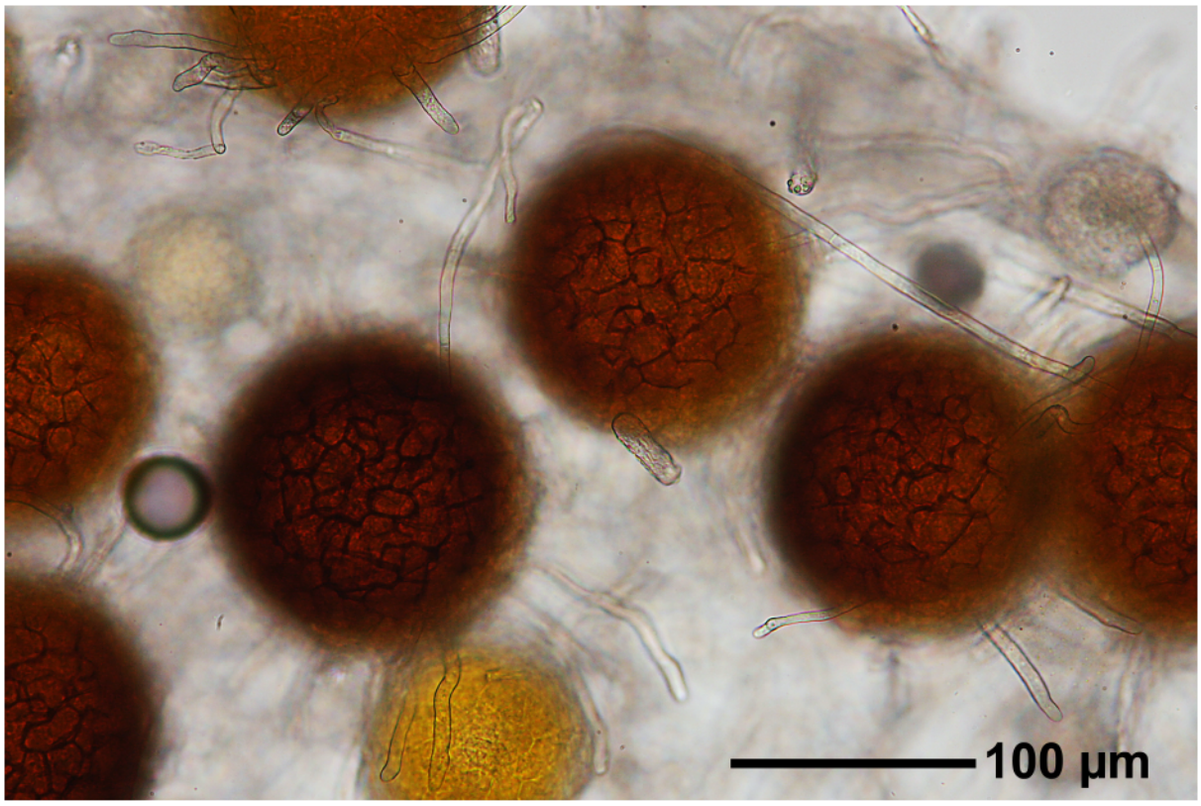


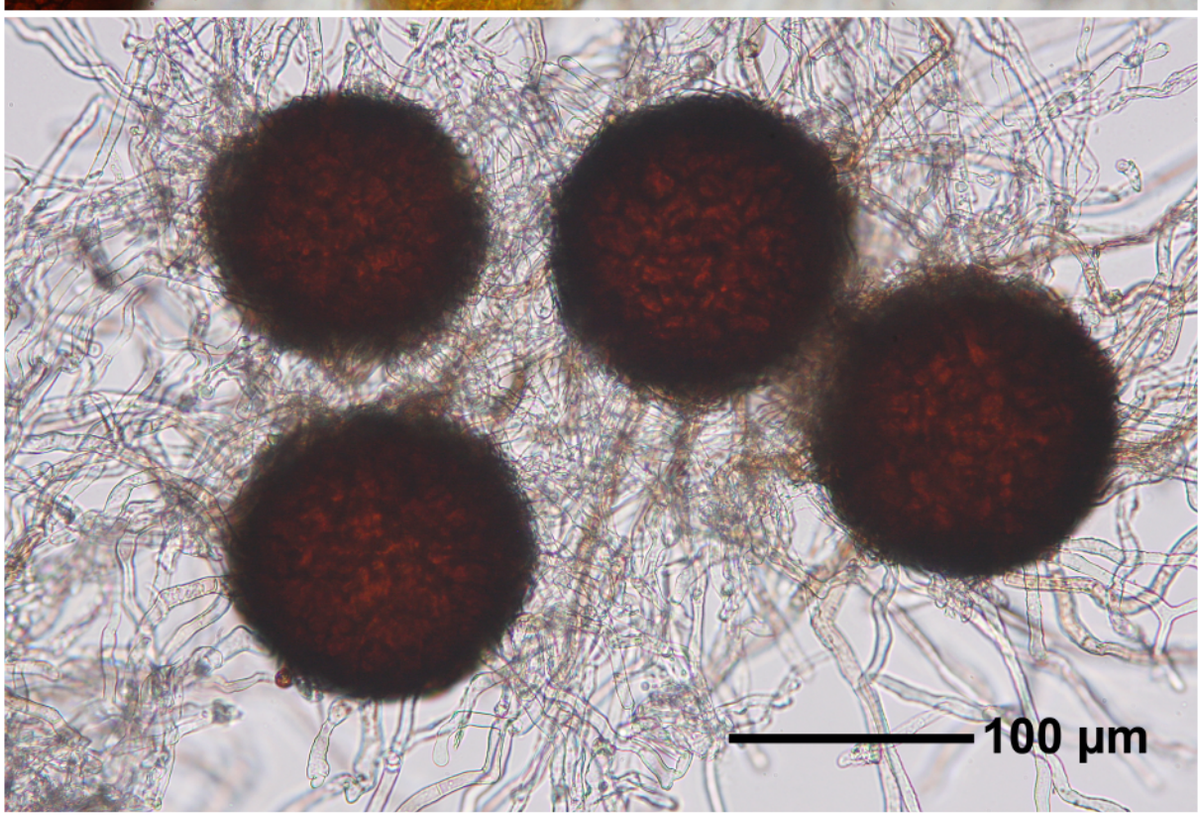


Erysiphe convolvuli

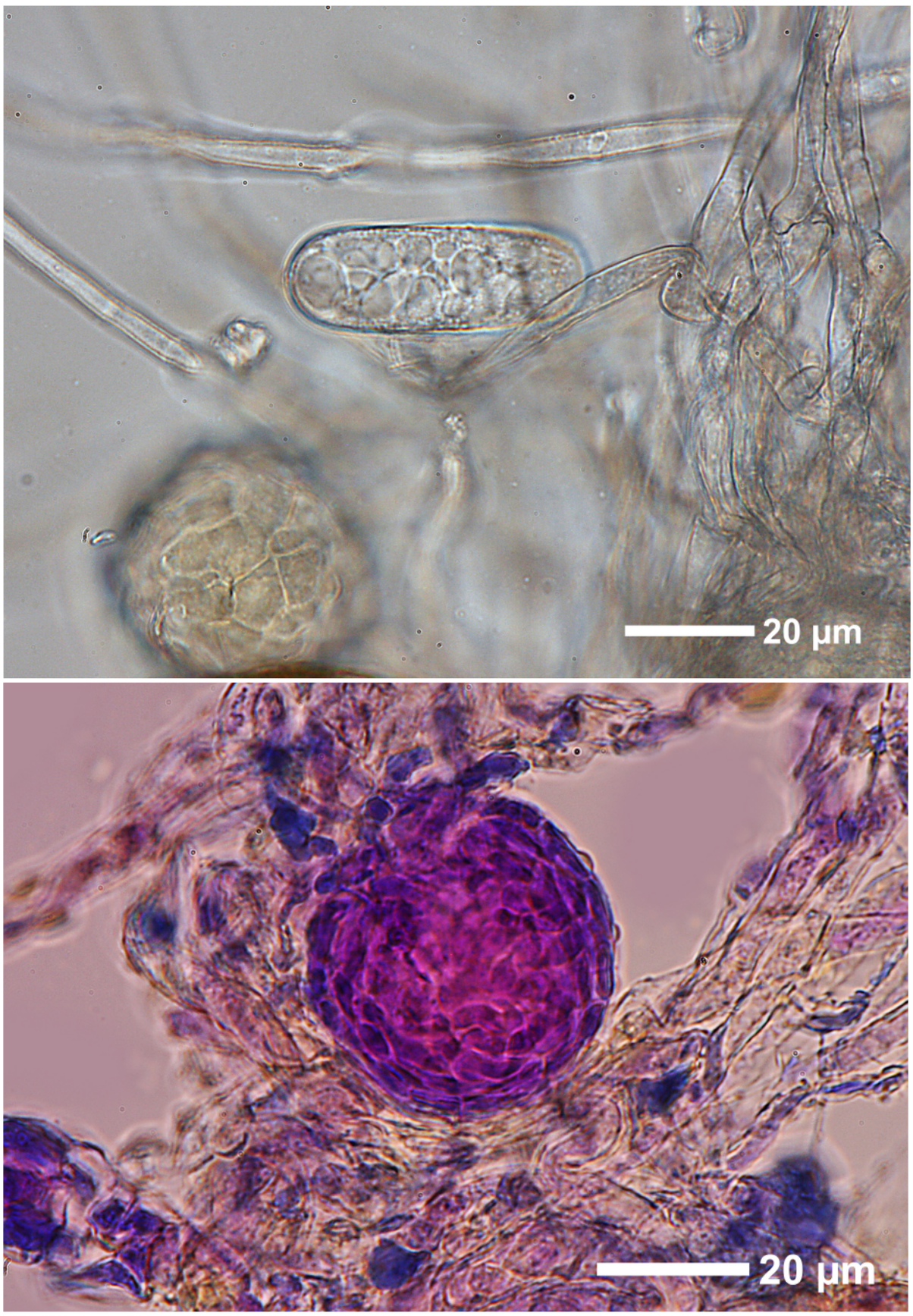


Erysiphe convolvuli

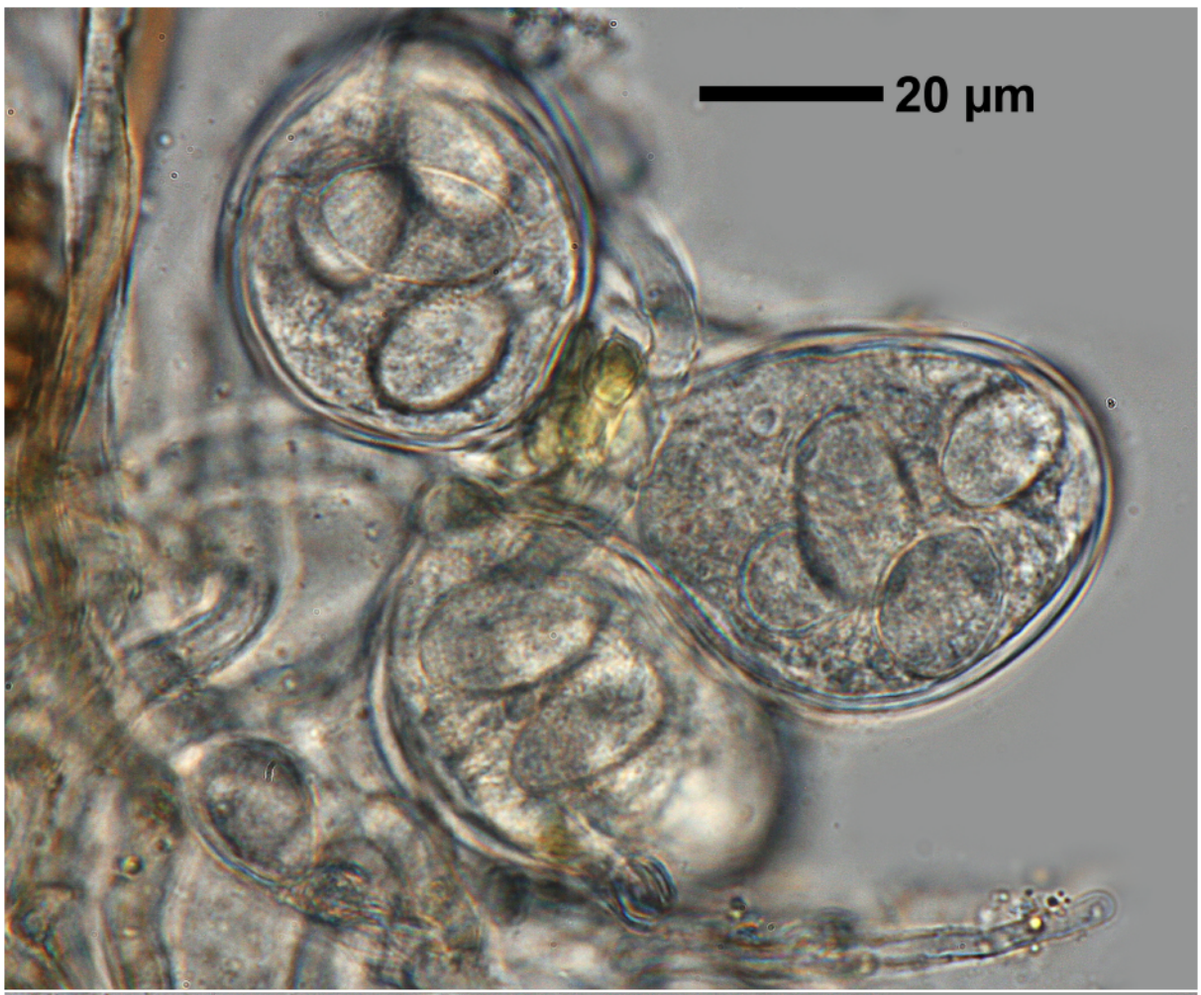




Erysiphe convolvuli

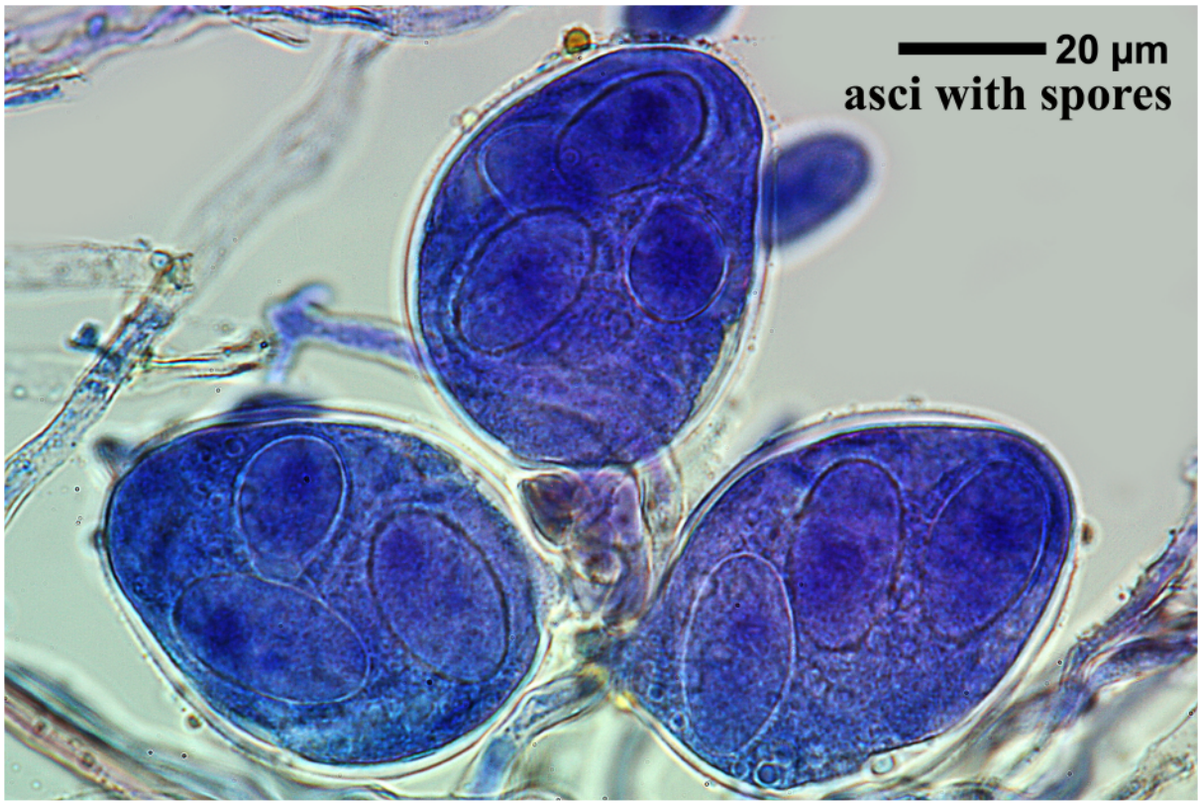


Erysiphe convolvuli





Erysiphe convolvuli

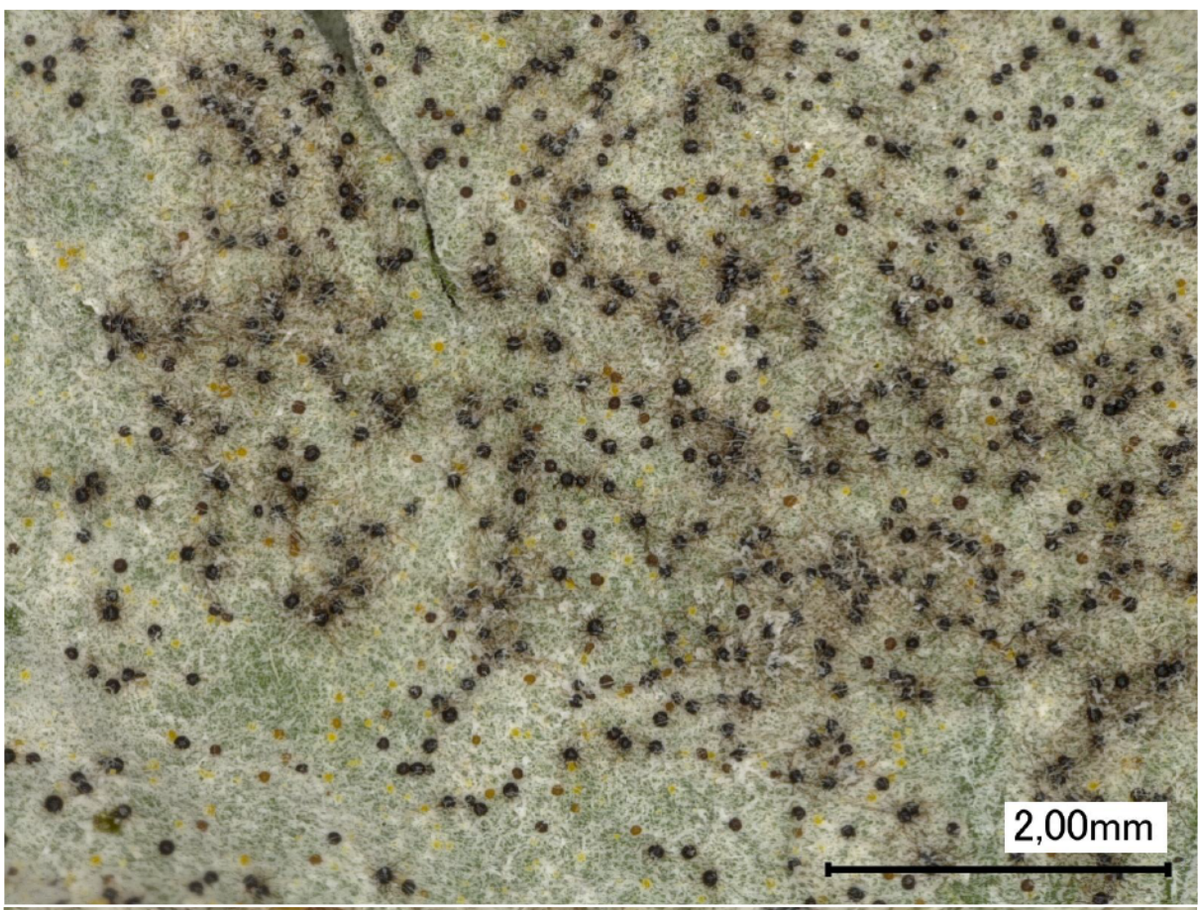


Erysiphe convolvuli

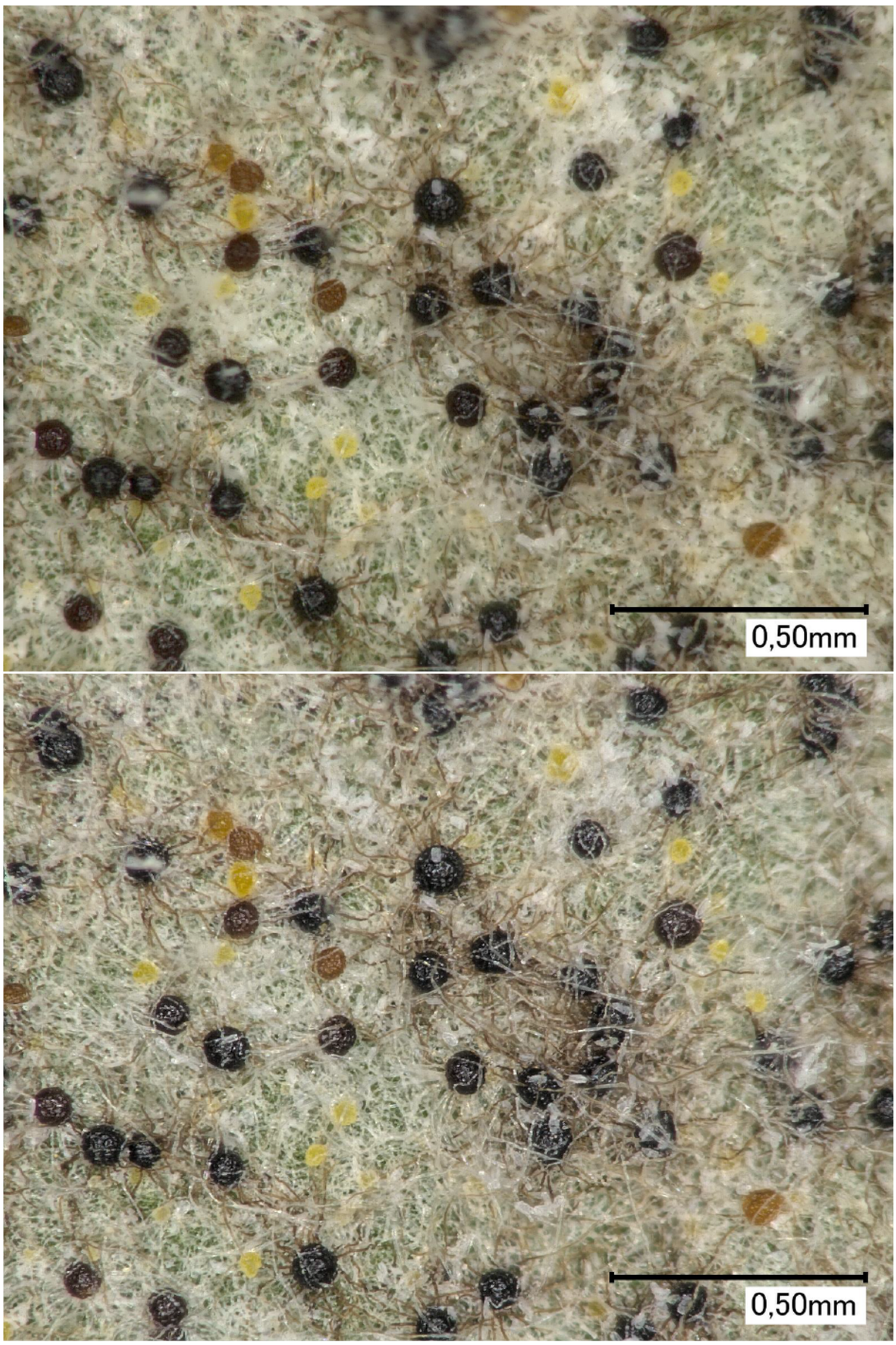
Erysiphe ranunculi Greville

Cleistothecienanhängsel basal, mycelartig, an der Basis gebräunt. Konidien einzeln. Cleistothecien mit ca. 4 Asci. Asci mit 4-5 Sporen. Sporen, hyalin, 1-zellig.

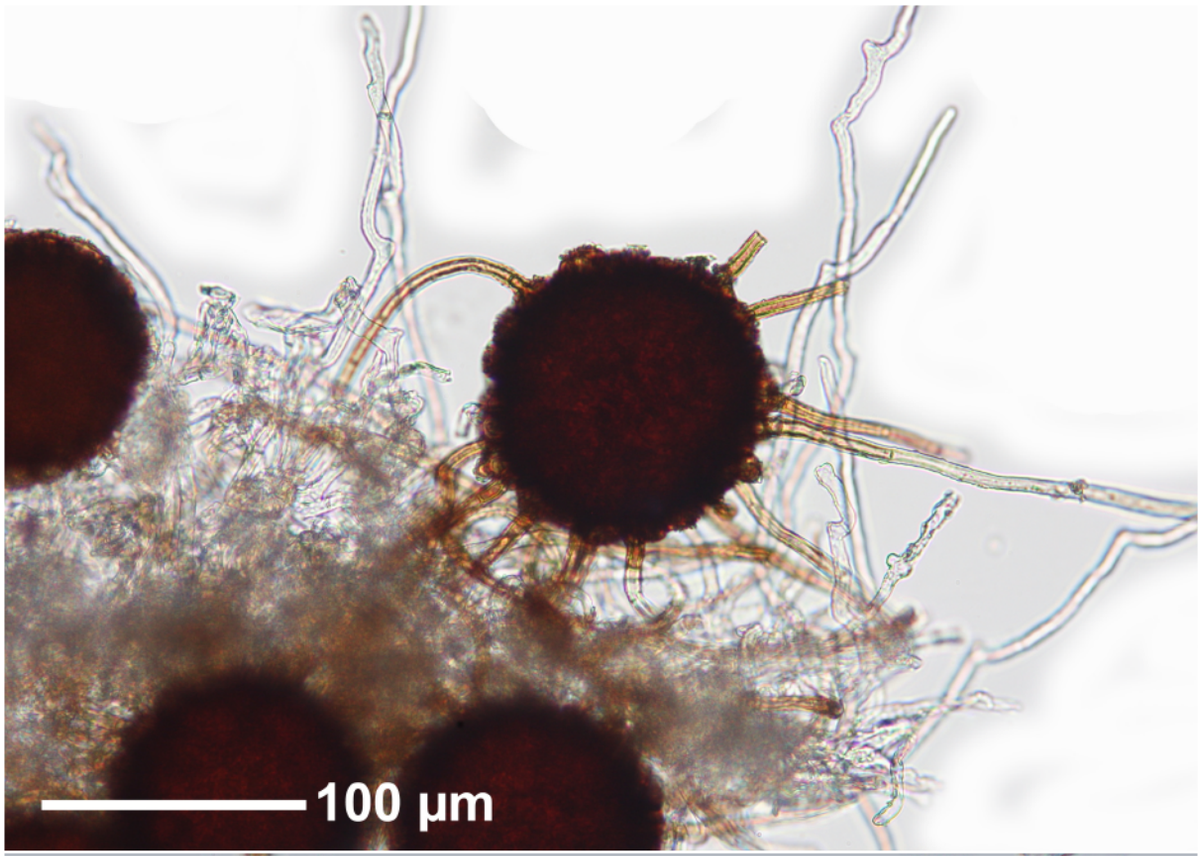
[18469], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, im Garten der Mozartstr. 9, auf *Rittersporn*; 48.72438° N, 9.60362° E, 379 m. Leg. et det. Schumm 09.09.2012

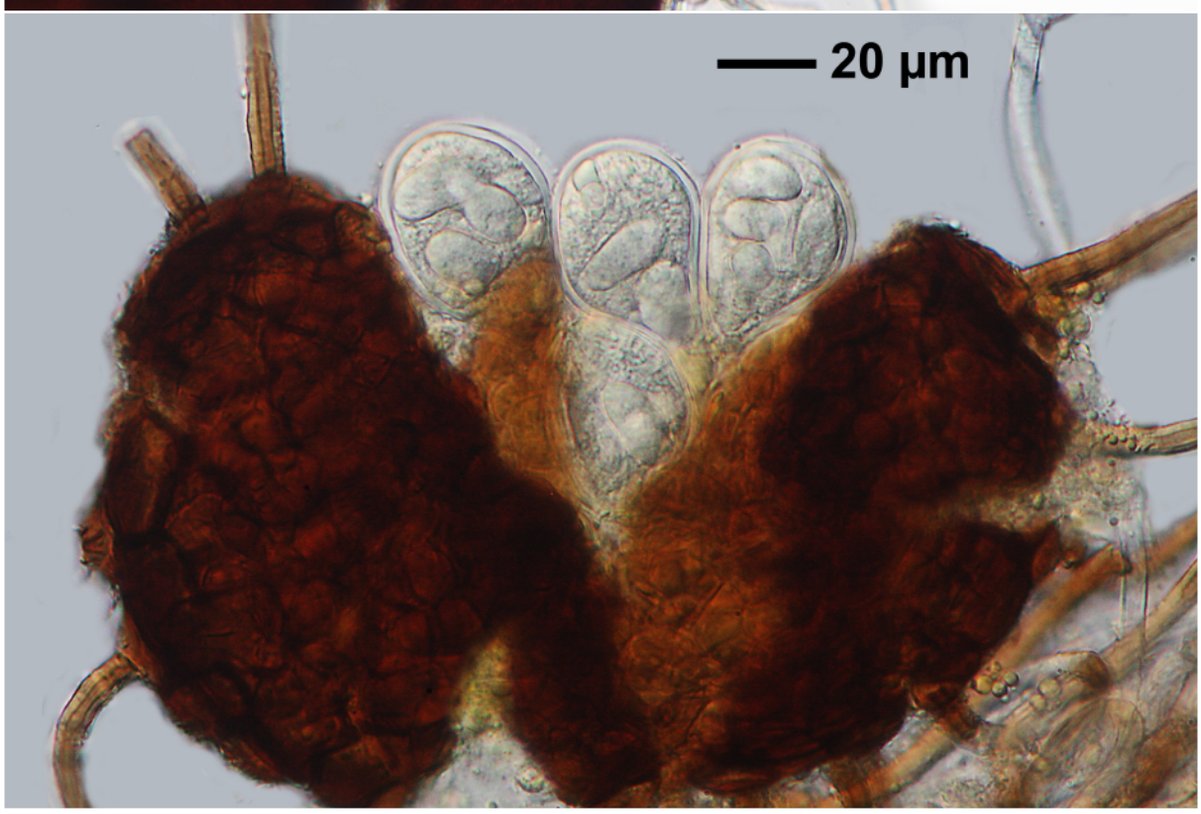




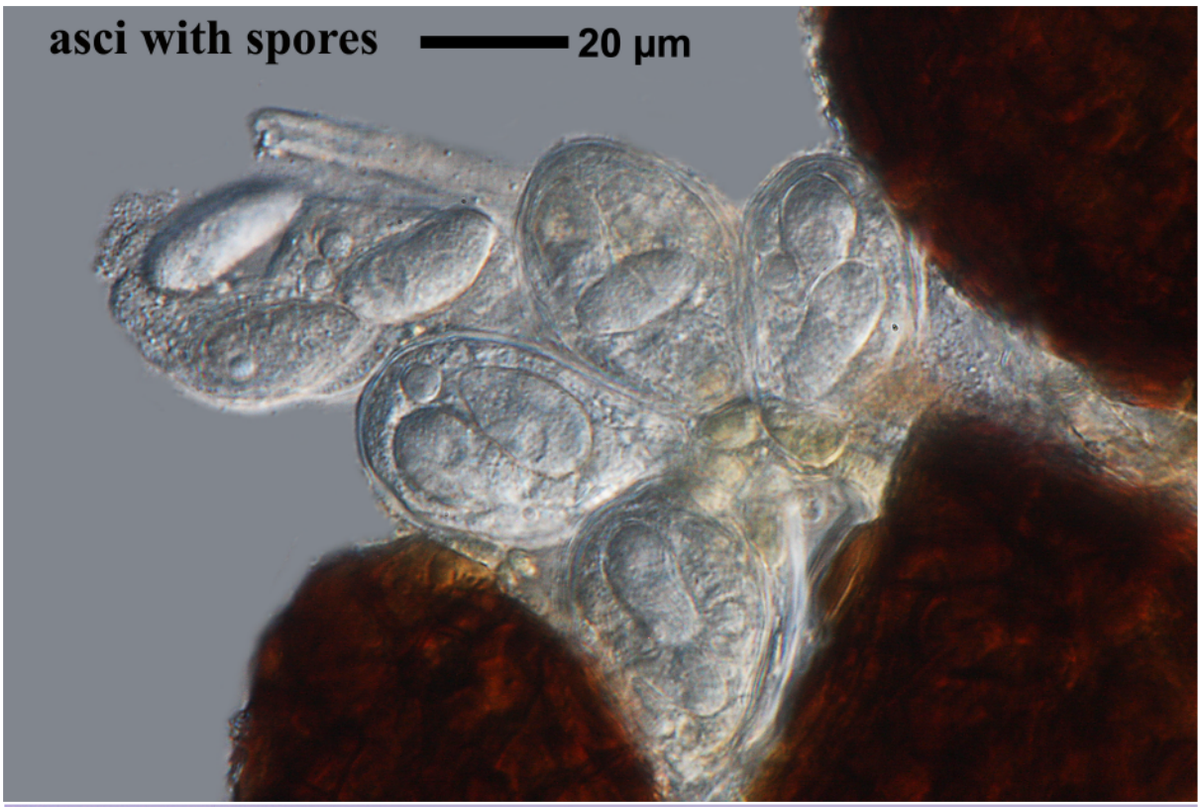


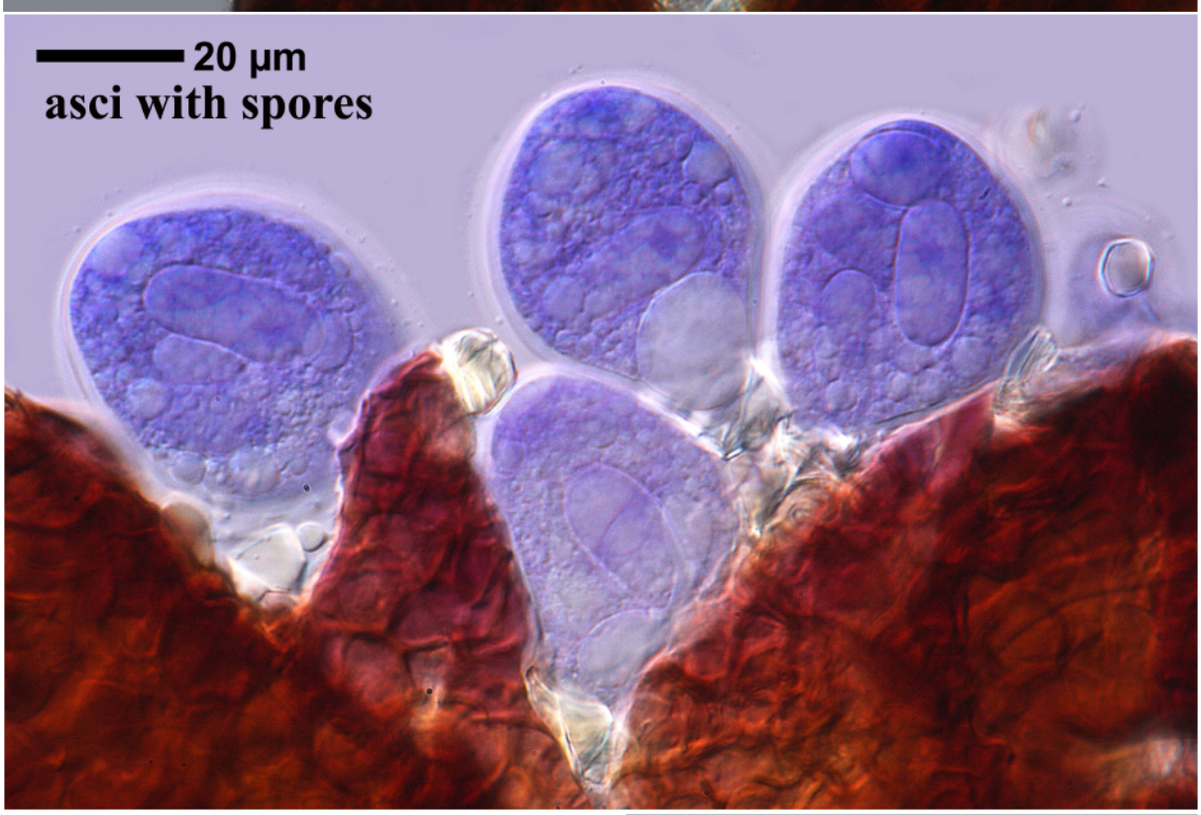
Erysiphe ranunculi

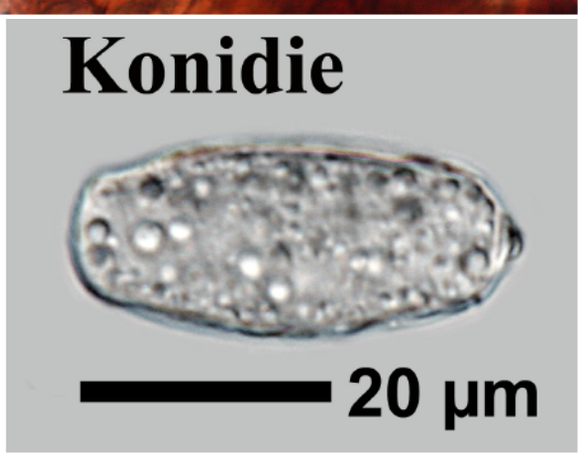




Erysiphe ranunculi







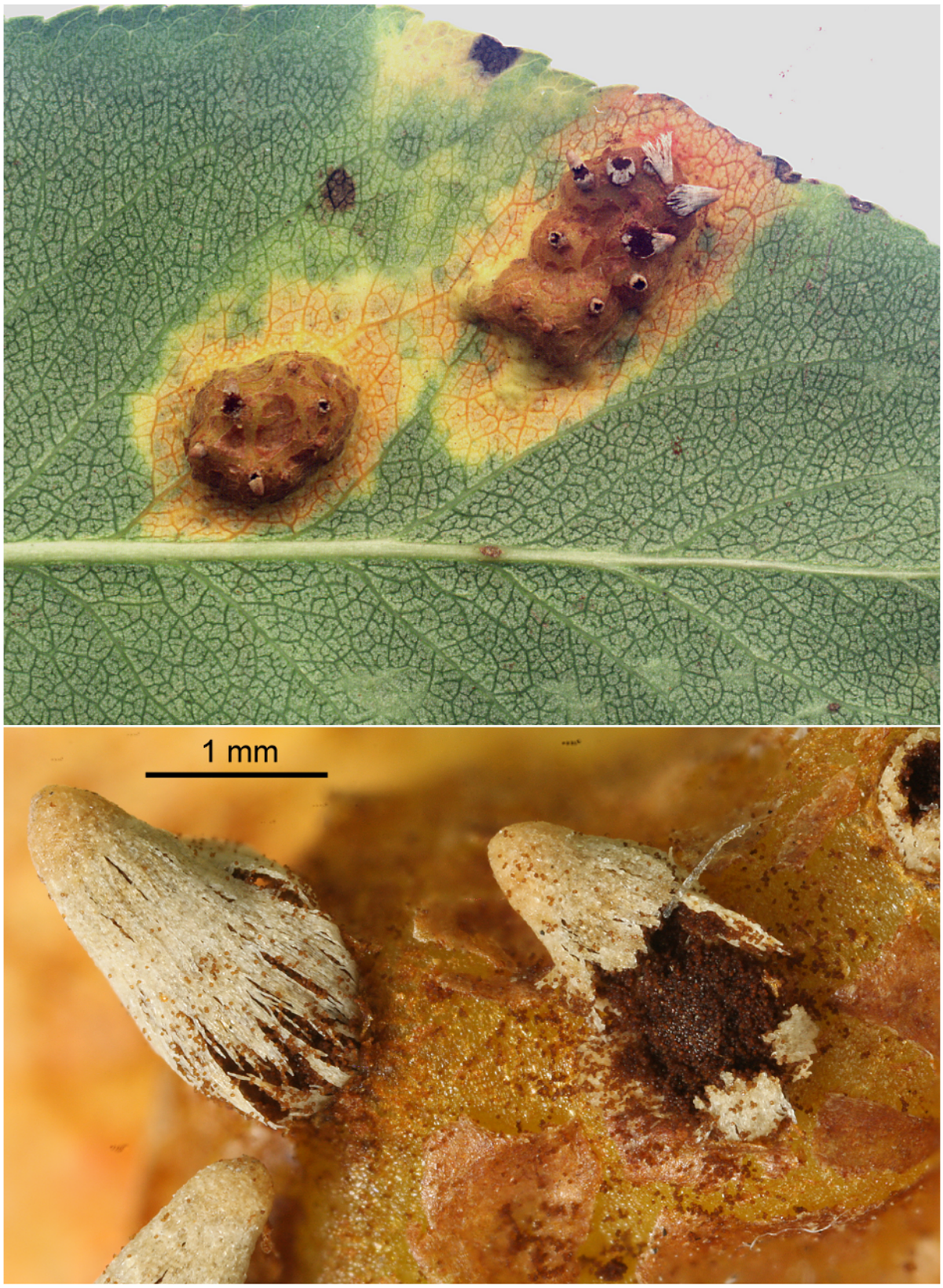
Erysiphe ranunculi

Gymnosporangium sabinae (Dicks.) Winter
Birnengitterrost

Aezidien auf der Blattunterseite.

[18493], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, an Blättern von Birnbäumen. Leg. et det. Schumm 14.09.2012.

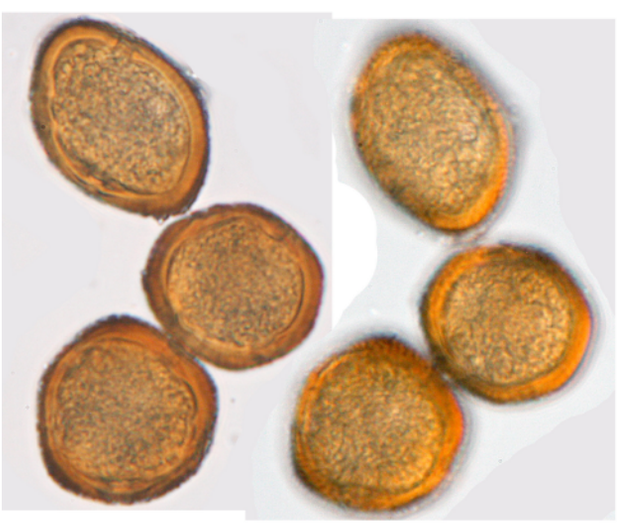




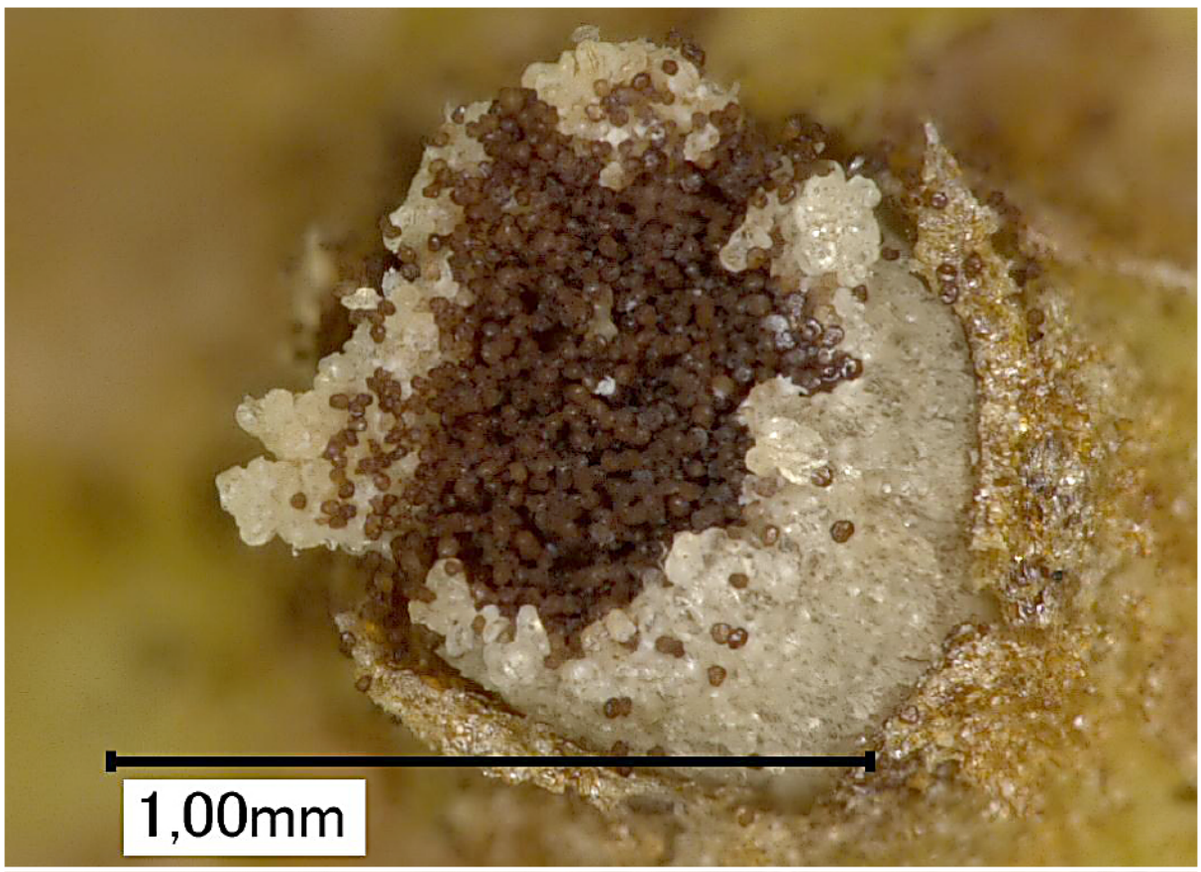
Gymnosporangium sabinae

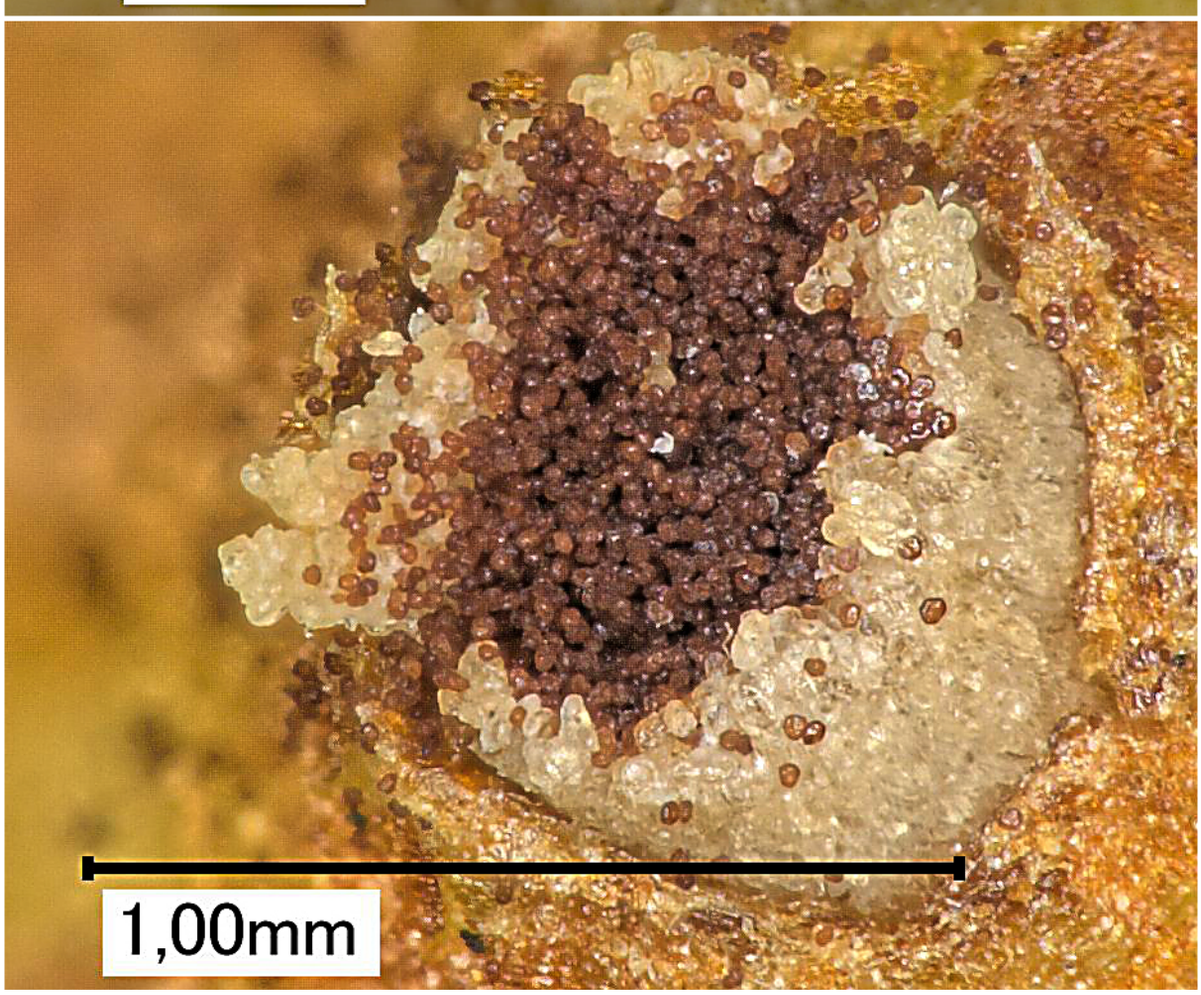






Gymnosporangium sabinae





Gymnosporangium sabinae

Helvella crispa (Scop.) Fr.
[= Herbst-Lorchel, Krause Lorchel]

Stiel tief längsrippig. Sporen elliptisch, glatt, 16-20 x 10-12 µm.

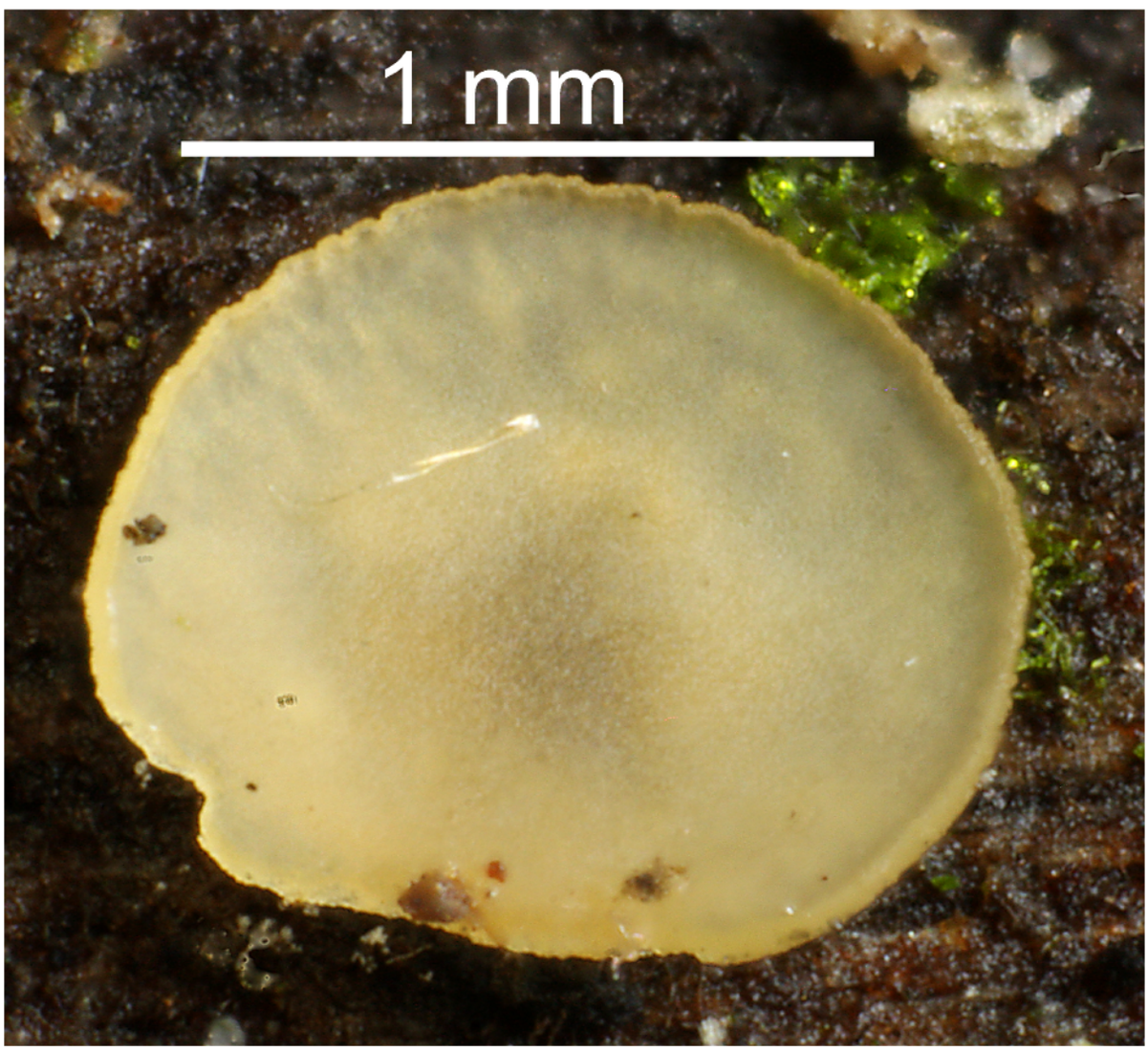
Germany, Baden-Württemberg, Kreis Göppingen, 4 km N-NW von Wangen, 48,759216° N, 9,569899° E, 415 m, zwischen Buchenlaub auf einem Waldweg zu den Stauseen. Leg. André Matuschewski & Felix Schumm, 17.11. 2013.



Hyalorbilia inflatula (P. Karst.) Baral & G. Marson 2000

Sporen hyalin, 1-zellig, schmal und klein, ca. 8 x 1.5 µm. Asci J- (apical J-, keinerlei Operculum). Hymenium 31 µm hoch. Excipulum grobmaschig, kurzrechteckig paraplectenchymatisch.

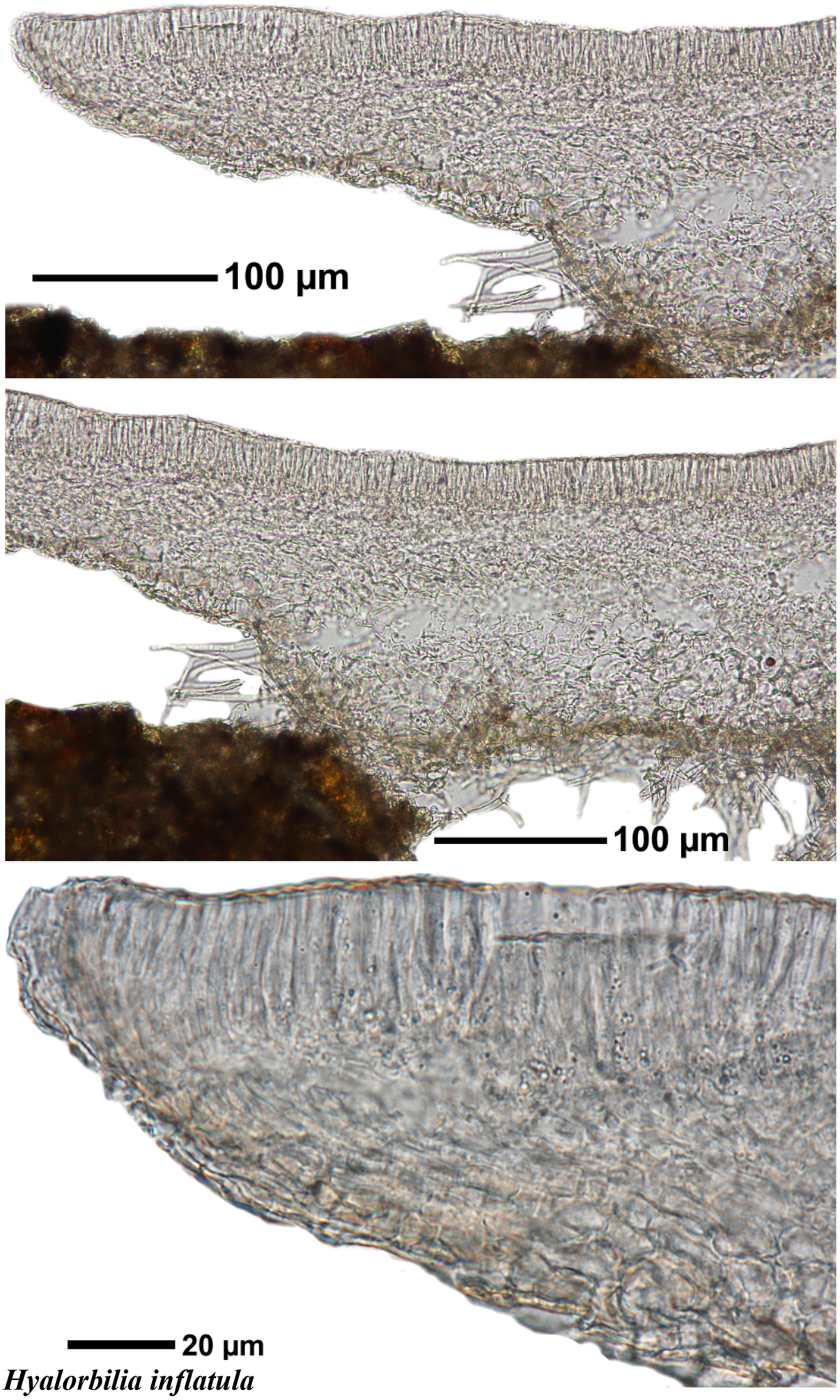
[7223], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, auf einem am Boden liegenden Ast am S-Rand des Wäldchens „Reutgarten“ auf dem Weg zu den „Wangener Linden“. Leg. Schumm 15.09.2012, det. H.O. Baral 09.2012 (in lit. auf Grund der Fotos).



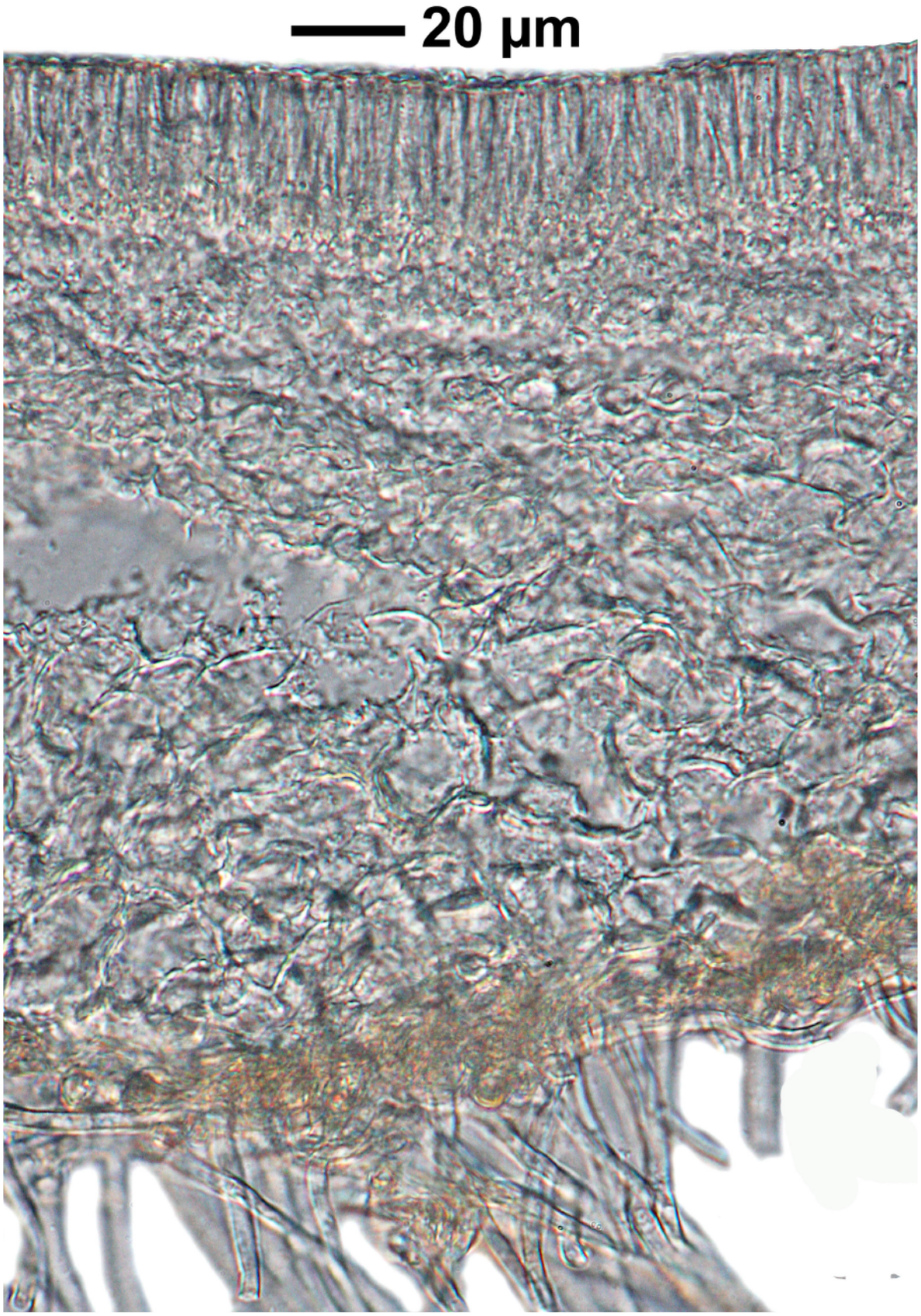




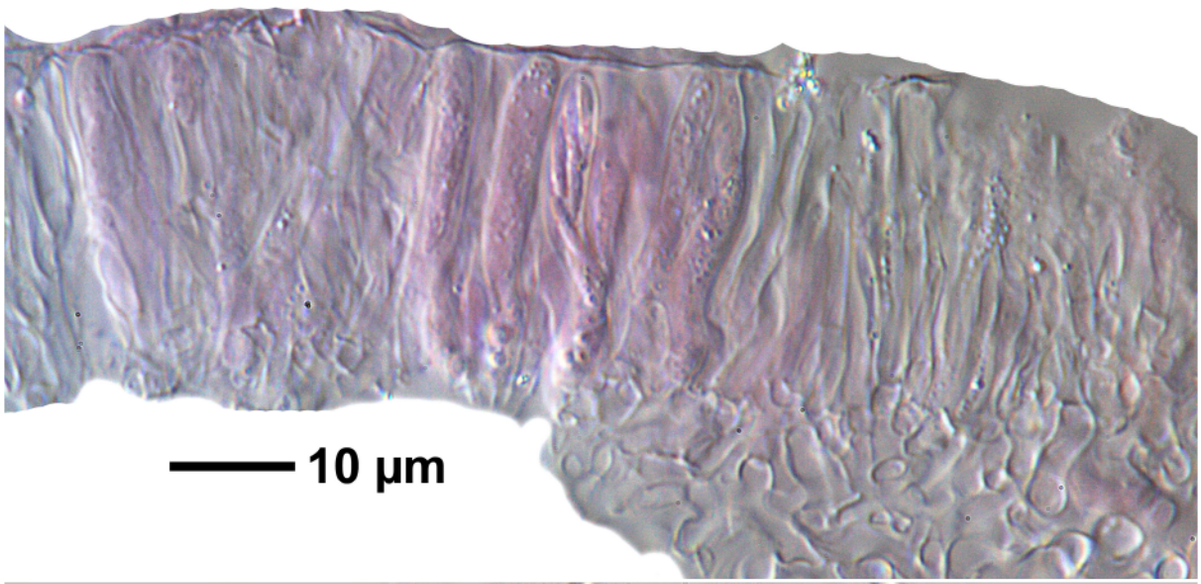
Hyalorbilia inflatula

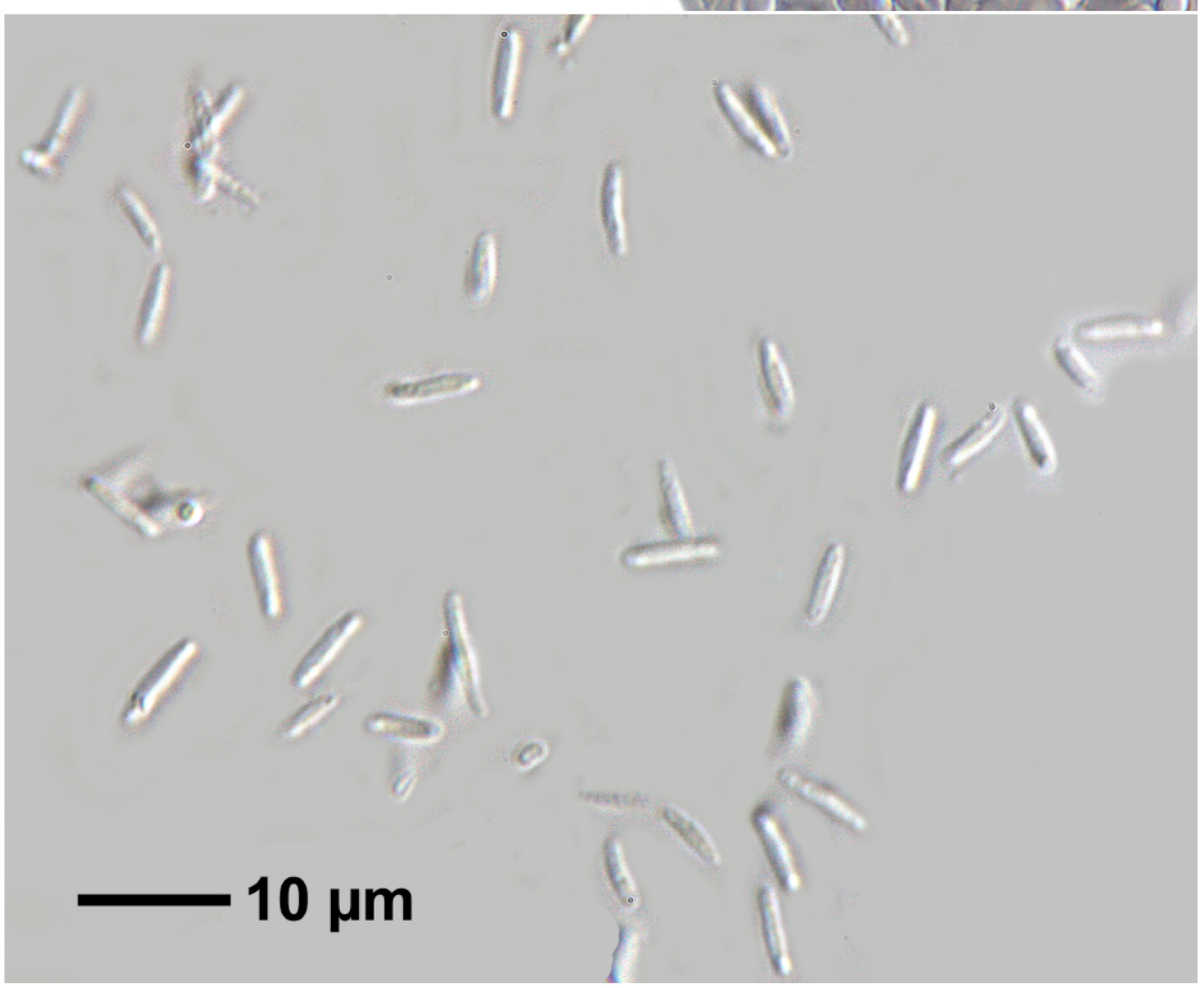


Hyalorbilia inflatula

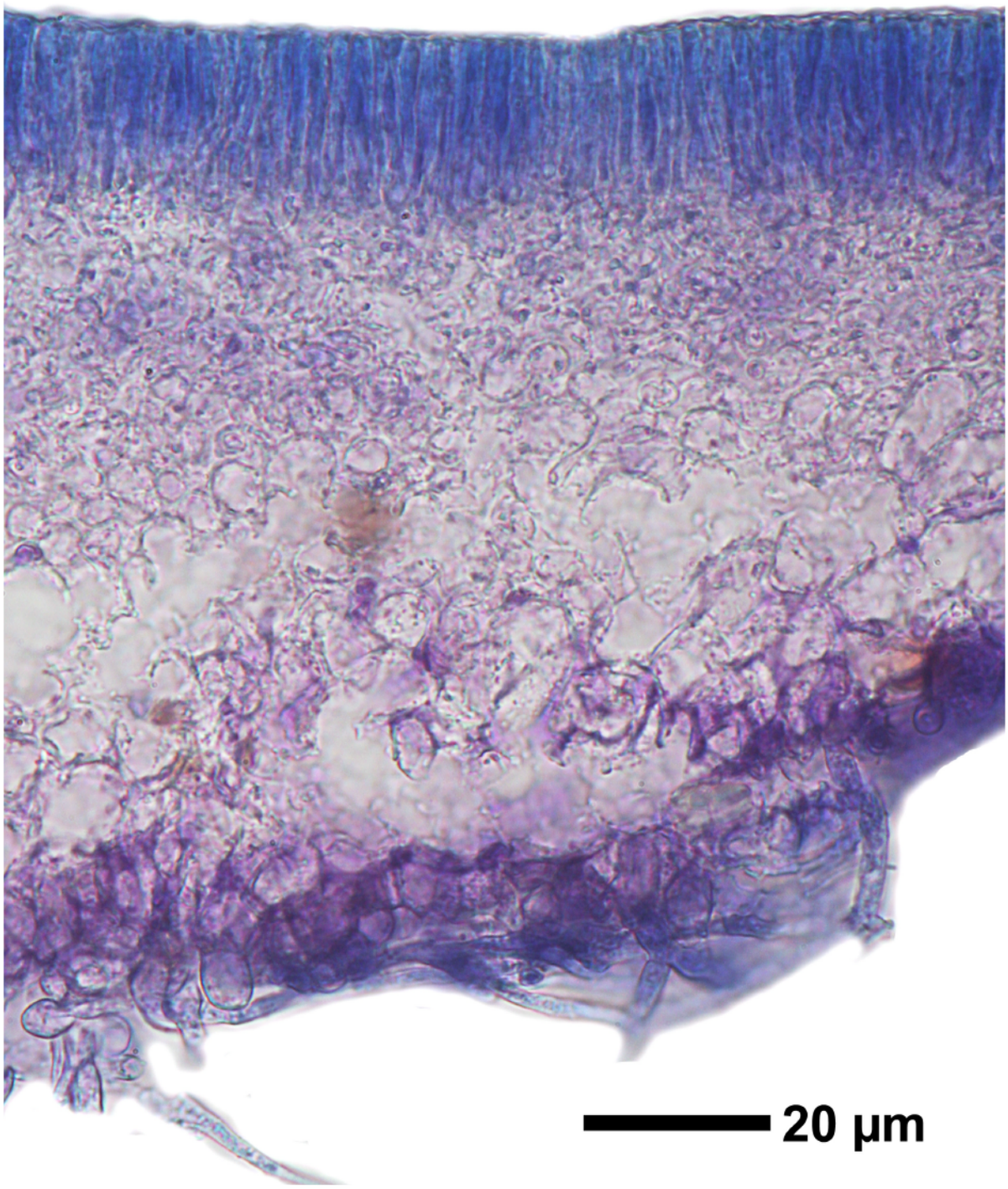


Hyalorbilia inflatula





Hyalorbilia inflatula



Hyalorbilia inflatula

Bemerkungen:

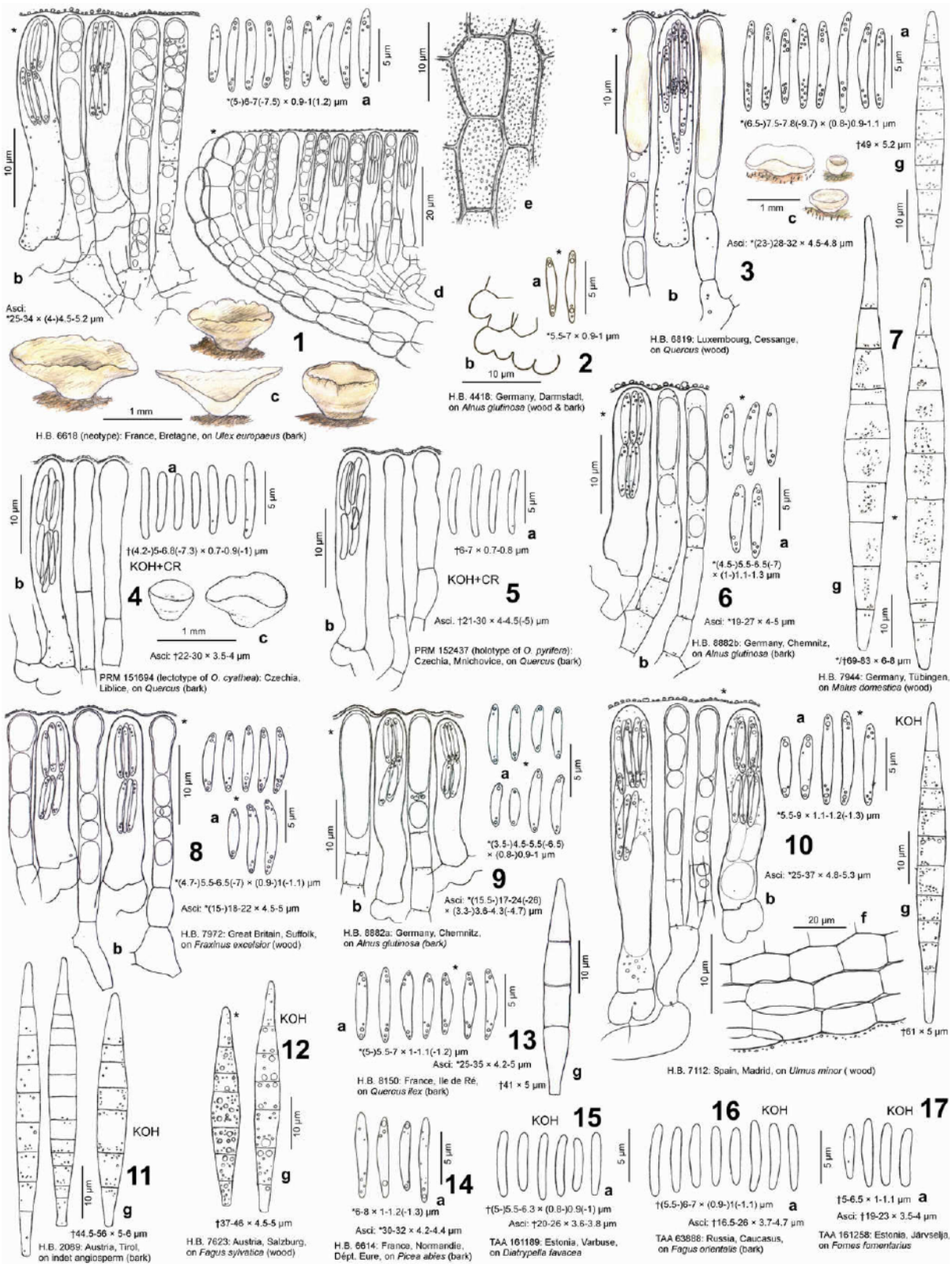
Der Pilz wurde von mir mit Hilfe von Lindau sowie Breitenbach & Kränzlin als ***Mollisia ligni*** bestimmt und von H.O. Baral richtig gestellt

In einer email schrieb mir H.O. Baral folgenden Kommentar und schickte mir seine Tafeln aus der künftigen ***Orbilia*** Monographie, welche hier angehängt sind.

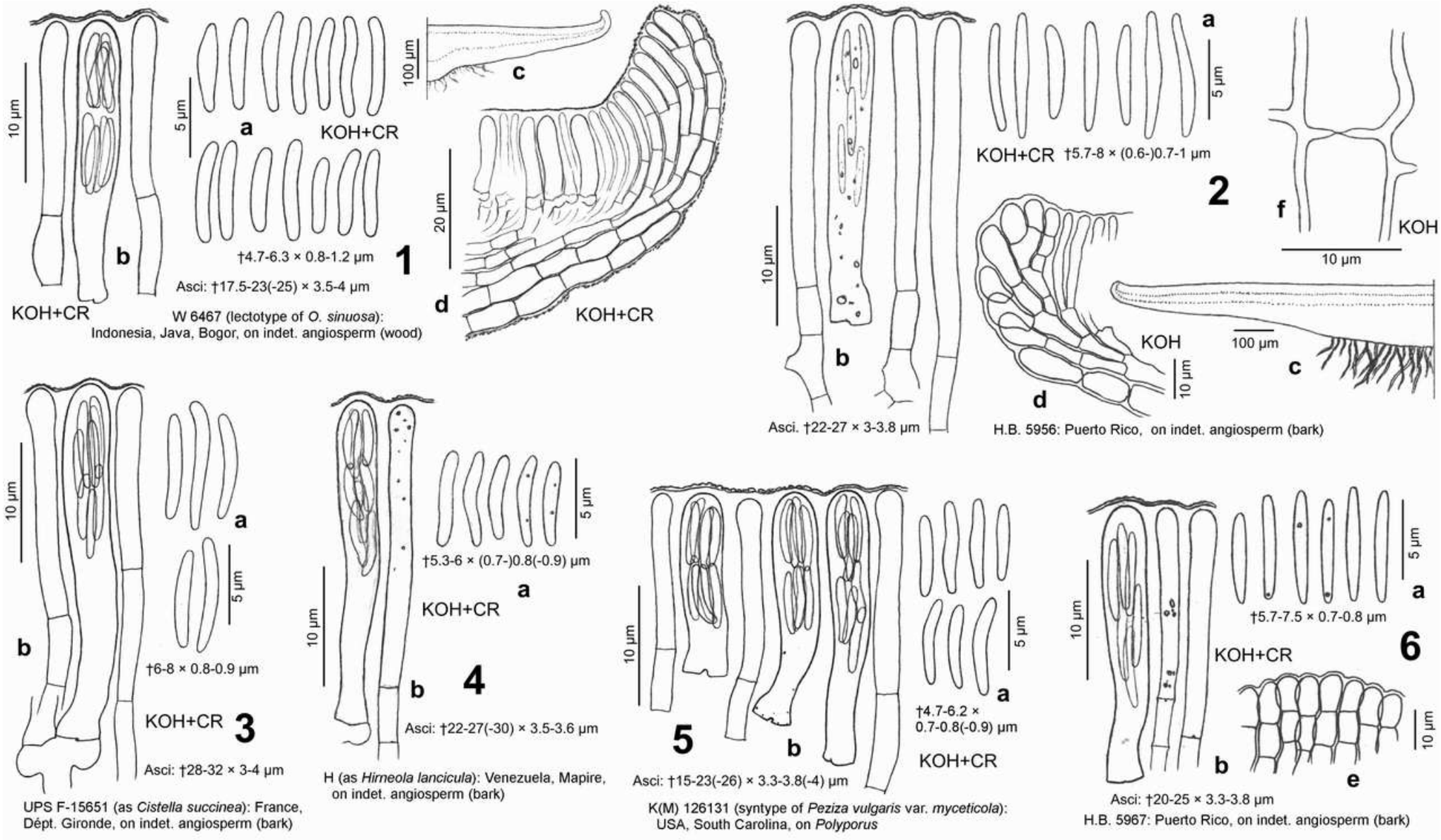
„..zu deiner "***Mollisia ligni***". Das ist ***Hyalorbilia inflatula***. Früher auch als ***Orbilia auricolor***, aber das war eine Fehlinterpretation. Beide Arten haben solche Subikulumshyphen, aber die echte *O. auricolor* ist eine *Orbilia* und hat stark gekrümmte Sporen. Übrigens ist ***M. ligni*** in Breitenbach wiederum eine Fehlbestimmung.“

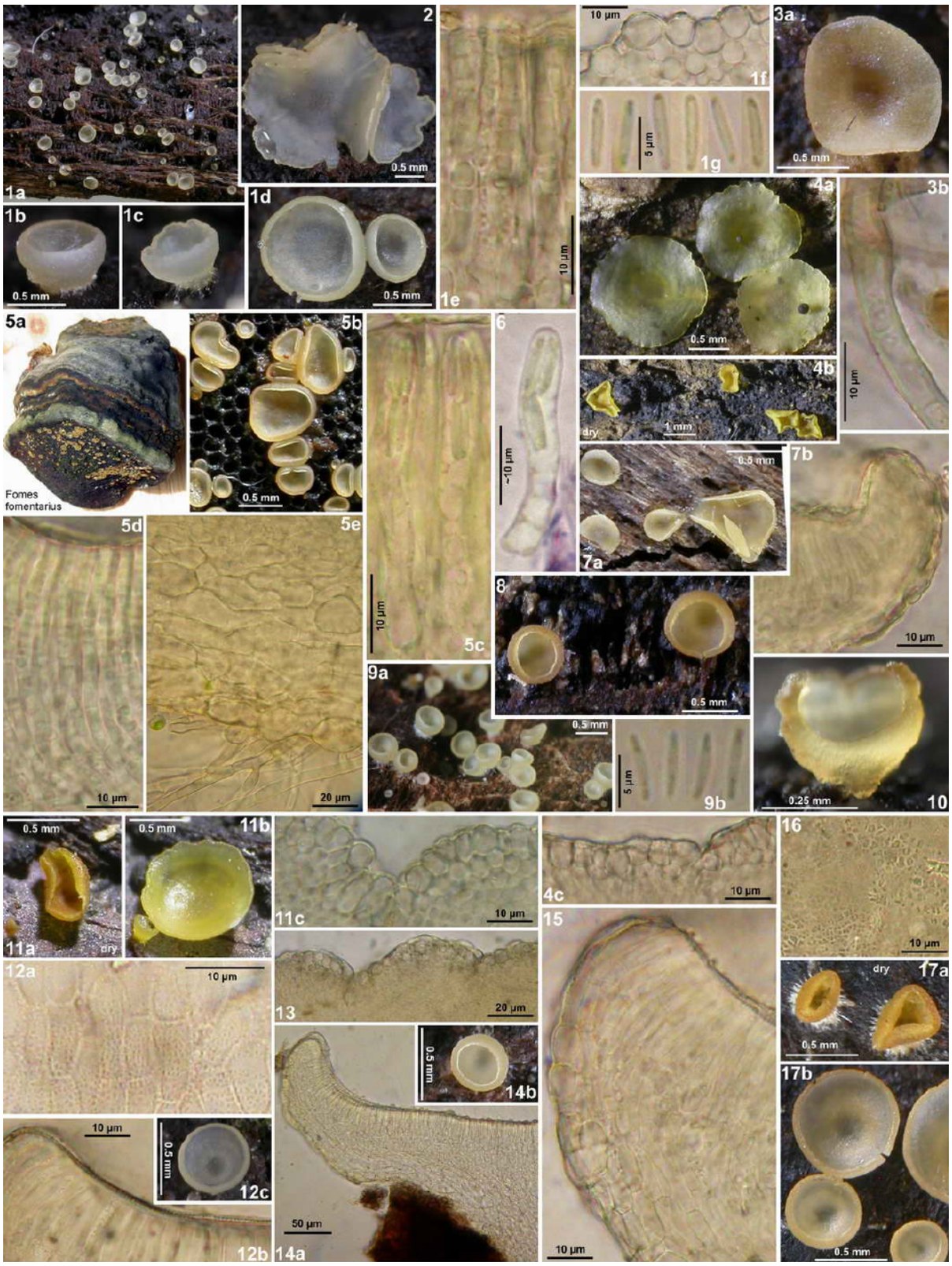
„Innerhalb *H. inflatula* besteht recht hohe Variabilität in der Größe der Randzellen, eventuell handelt es sich um mehrere Arten! Ich hänge unsere Tafeln an. Die Funde mit großen Randzellen haben weniger hochgewölbte, also flachere Scheiben. Vielleicht kannst du das nachsehen: Randstück abschneiden (kein Medianschnitt, obwohl das auch geht aber schwieriger ist), mit Hymenium nach oben in Wassertropfen legen, Deckglas drauf, und mit Ölimmersion die Randzellen fotografieren.“

Hyalorbilia inflatula

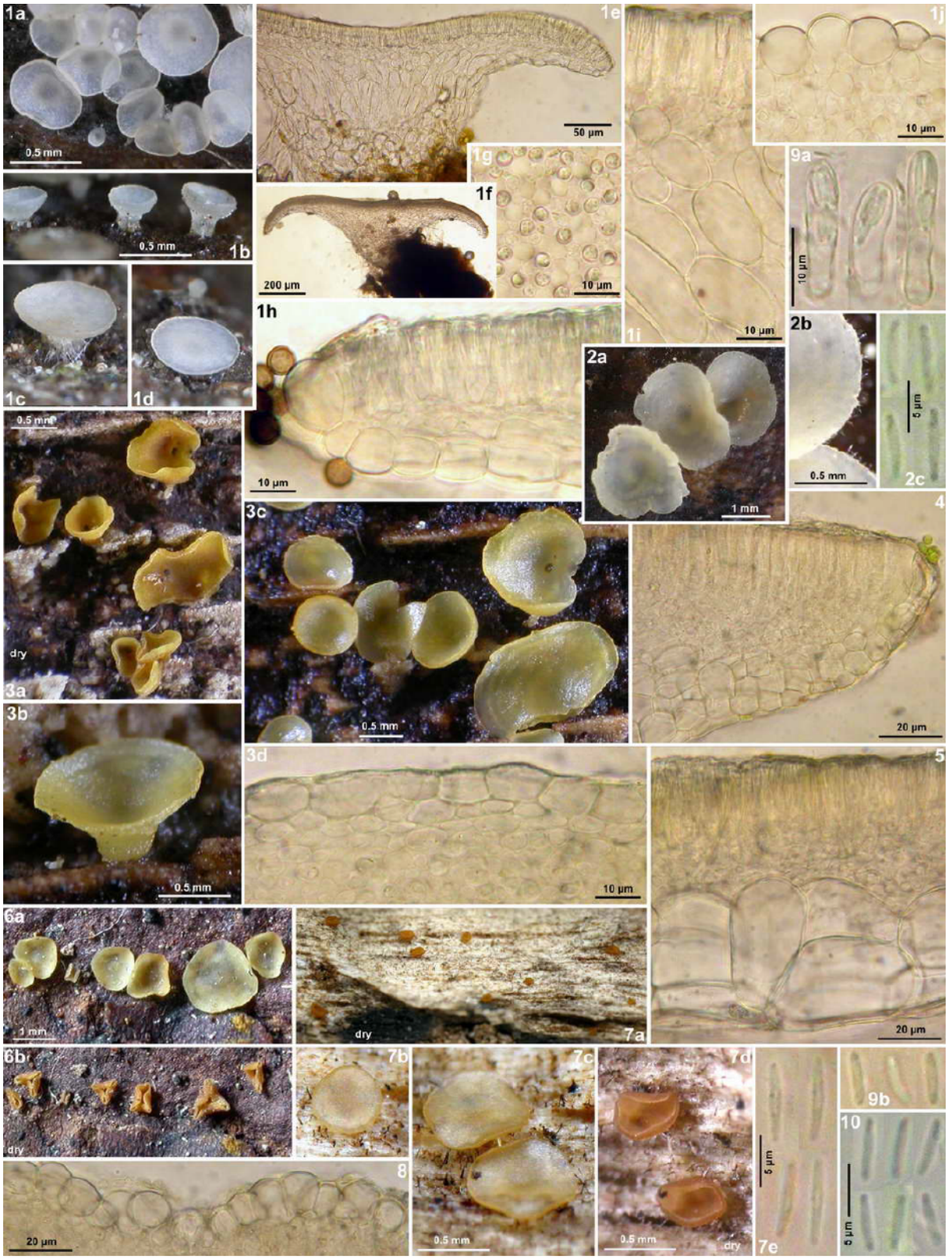


Hyalorbilia inflatula

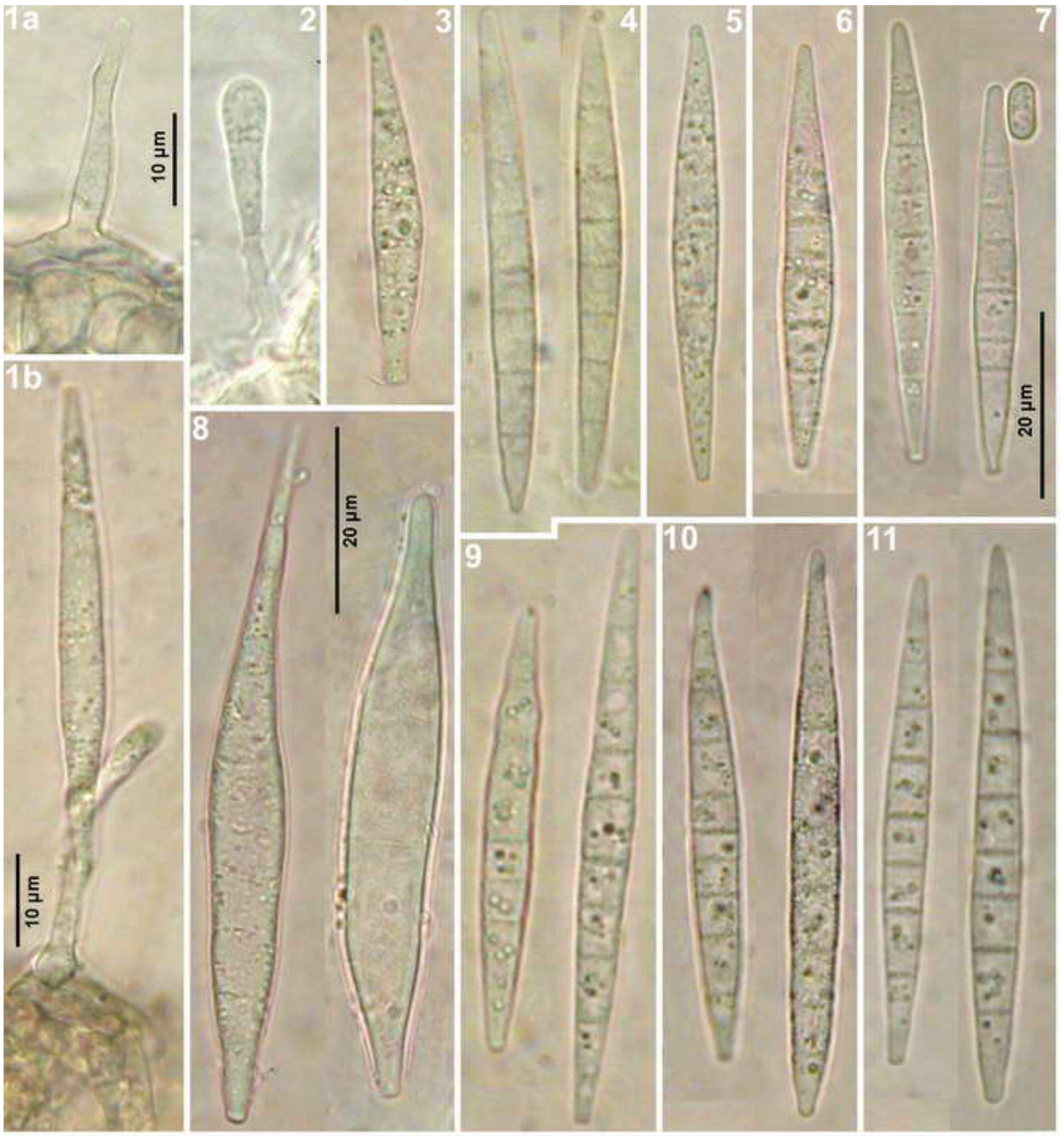

10 µm
b
KOH+CR
5 µm
a
KOH+CR
†4.7-6.3 × 0.8-1.2 µm
1
Asci: †17.5-23(-25) × 3.5-4 µm
W 6467 (lectotype of O. sinuosa):
Indonesia, Java, Bogor, on indet. angiosperm (wood)
100 µm
c
20 µm
d
KOH+CR
10 µm
b
Asci. †22-27 × 3-3.8 µm
a
5 µm
KOH+CR †5.7-8 × (0.6-)0.7-1 µm
2
f
KOH
10 µm
KOH
100 µm
10 µm
c
d
H.B. 5956: Puerto Rico, on indet. angiosperm (bark)
10 µm
b
a
5 µm
†6-8 × 0.8-0.9 µm
KOH+CR
3
Asci: †28-32 × 3-4 µm
UPS F-15651 (as Cistella succinea): France,
Dépt. Gironde, on indet. angiosperm (bark)
10 µm
b
4
5 µm
†5.3-6 × (0.7-)0.8(-0.9) µm
a
KOH+CR
Asci: †22-27(-30) × 3.5-3.6 µm
H (as Hirneola lancicula): Venezuela, Mapire,
on indet. angiosperm (bark)
10 µm
5
b
5 µm
a
†4.7-6.2 ×
0.7-0.8(-0.9) µm
KOH+CR
Asci: †15-23(-26) × 3.3-3.8(-4) µm
K(M) 126131 (syntype of Peziza vulgaris var. myceticola):
USA, South Carolina, on Polyporus
10 µm
b
5 µm
a
†5.7-7.5 × 0.7-0.8 µm
KOH+CR
6
10 µm
e
Asci: †20-25 × 3.3-3.8 µm
H.B. 5967: Puerto Rico, on indet. angiosperm (bark)



Hyalorbilia inflatula



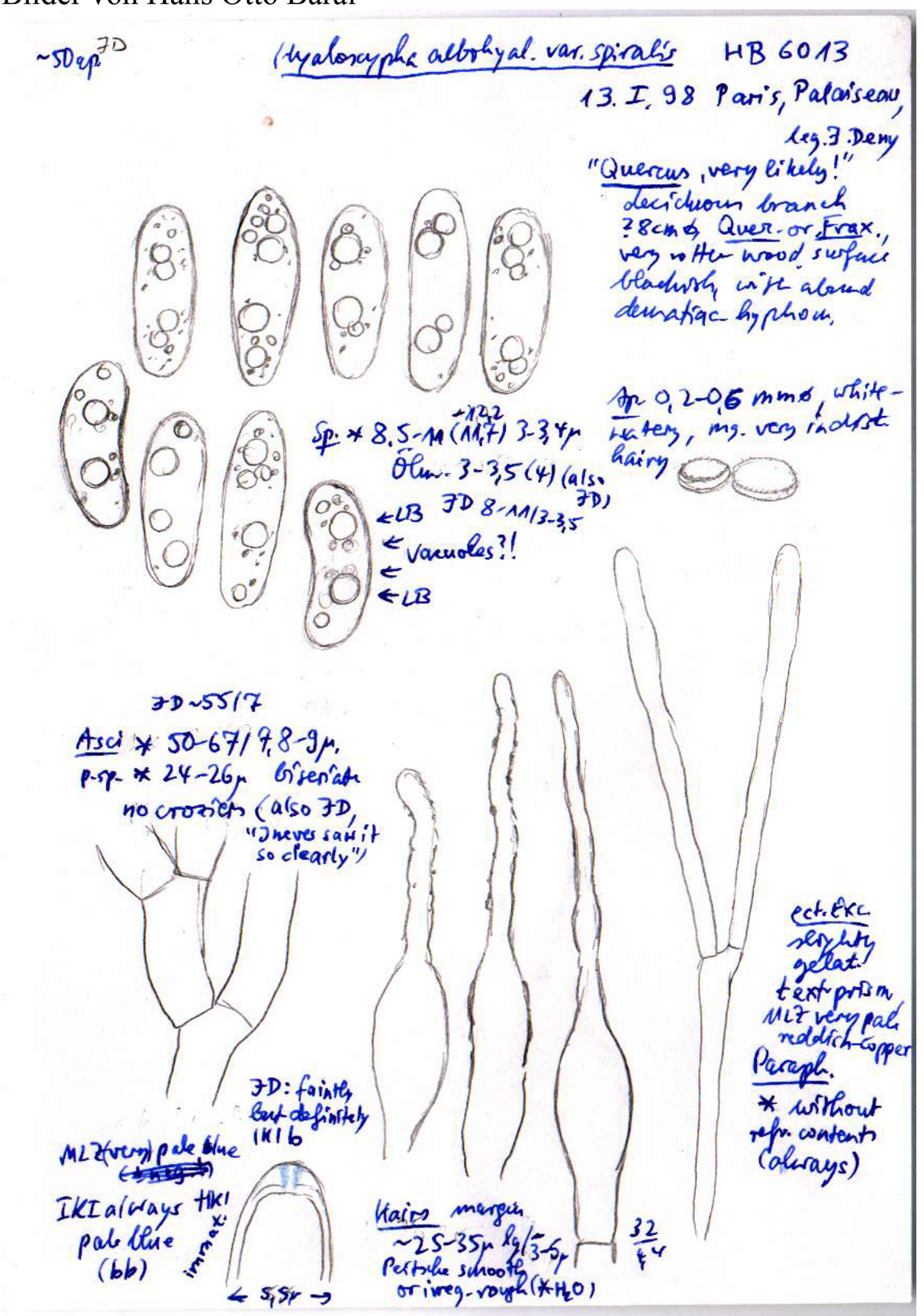
Hyalorbilia inflatula

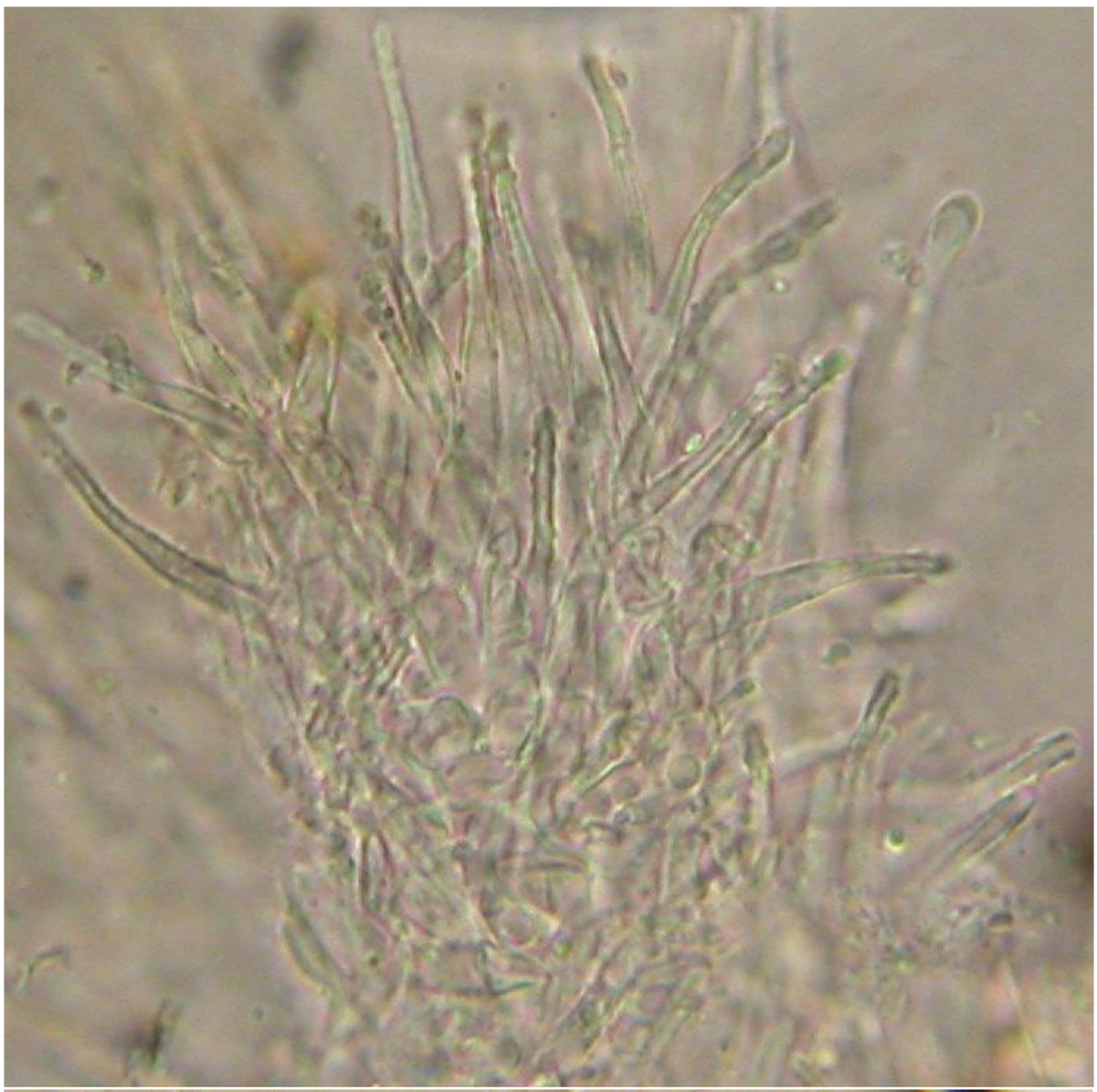


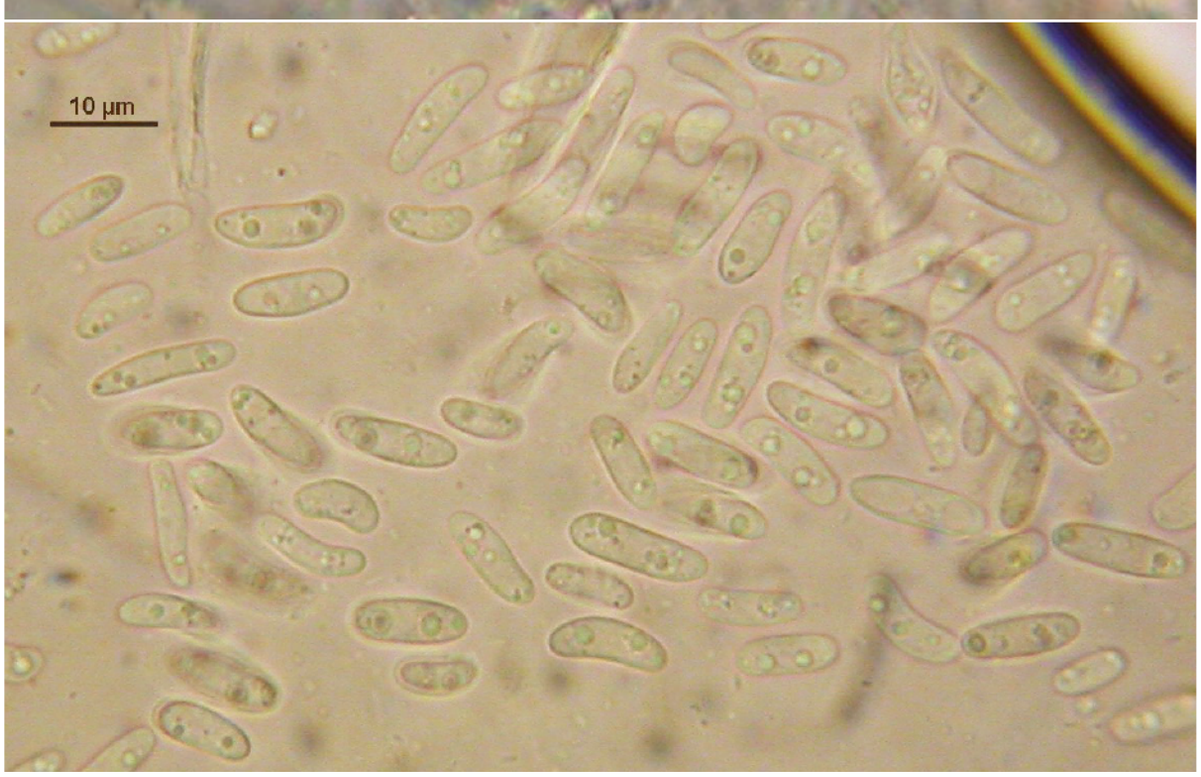
Hyalorbilia inflatula

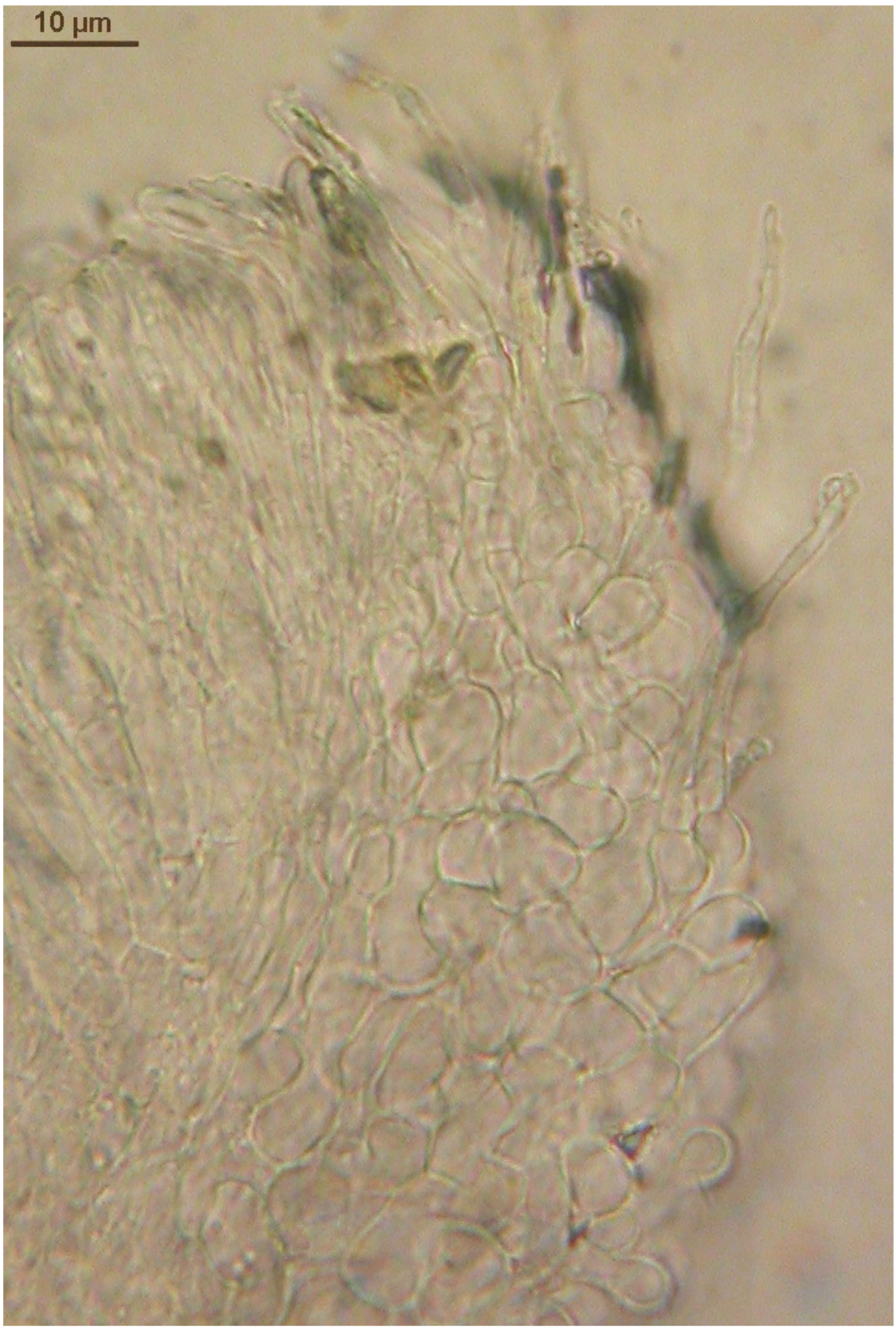
Hyaloscypha spiralis (Vehlen) Baral comb. nov. ined.
[= ***Hyaloscypha albohyalina*** var. ***spiralis*** (Vehlen) Hutinen]

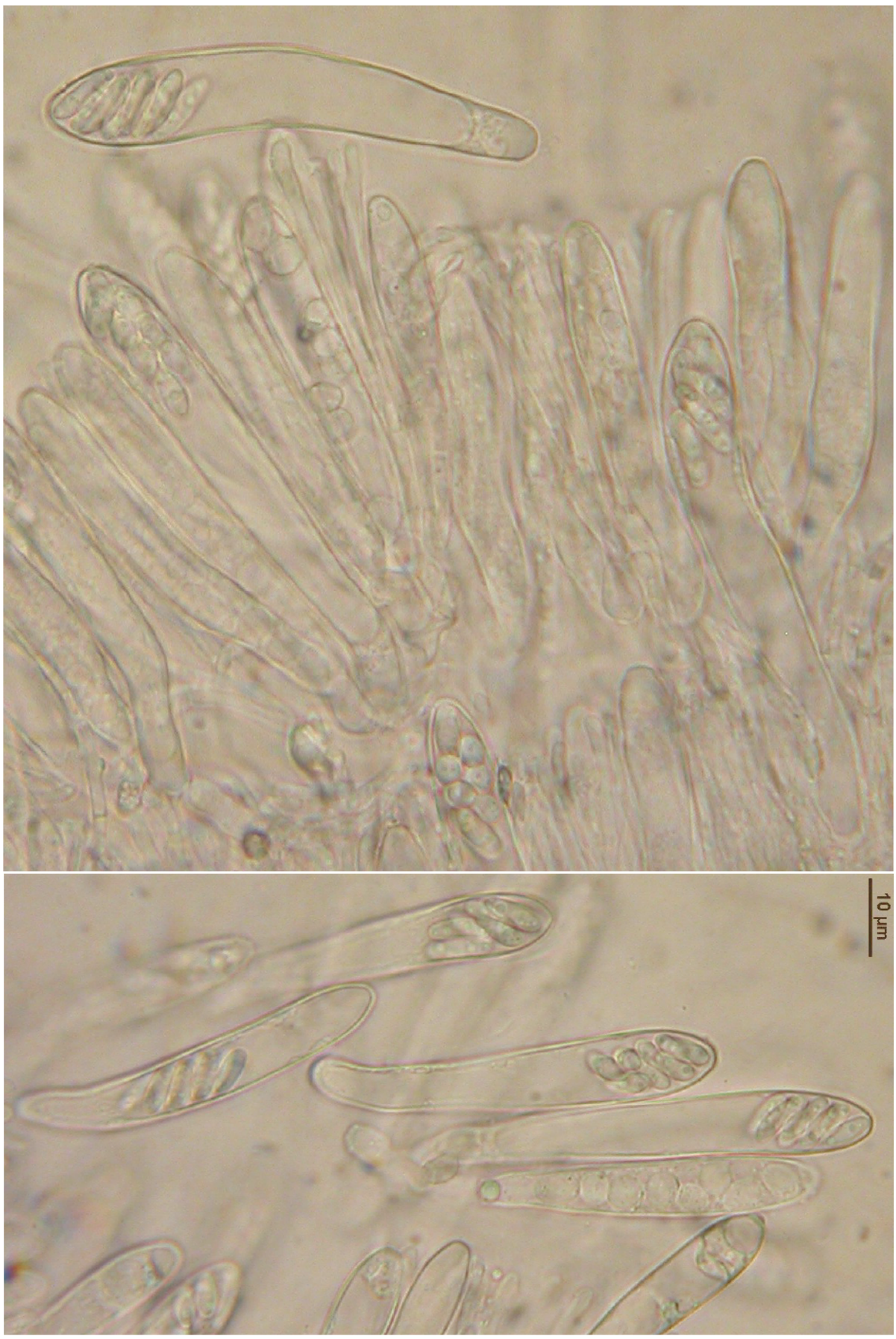
Bilder von Hans Otto Baral






10 µm

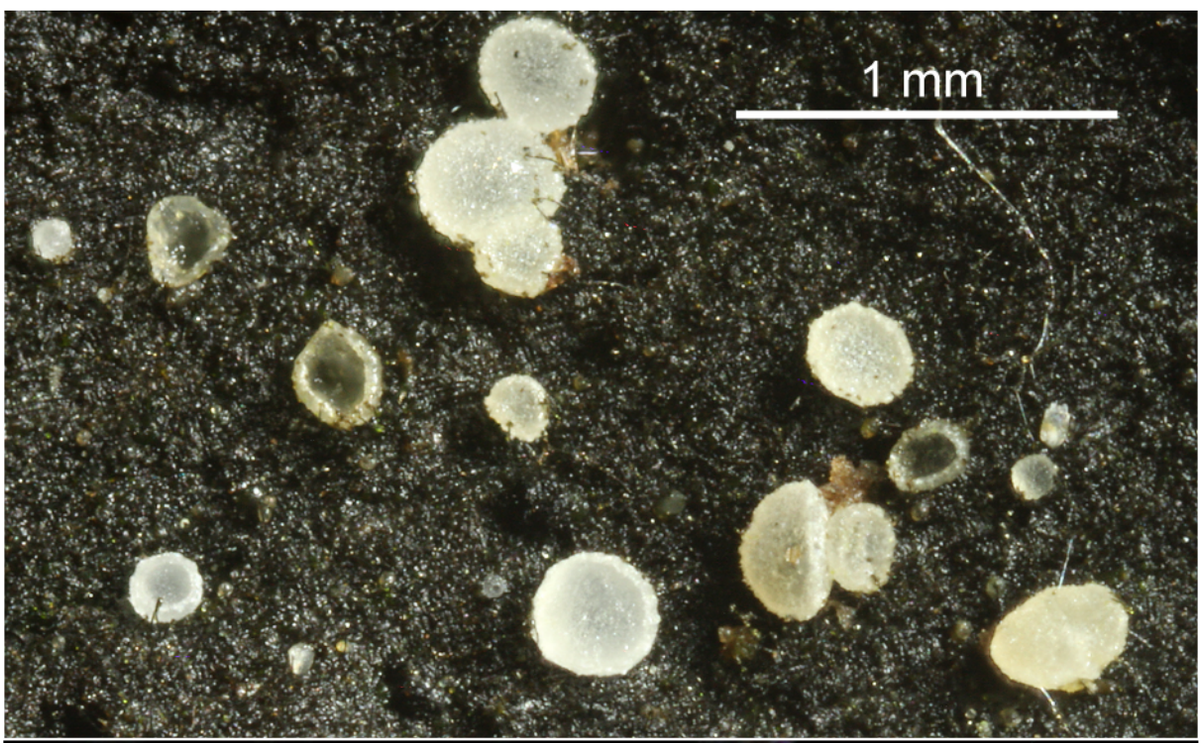

10 µm


10 µm

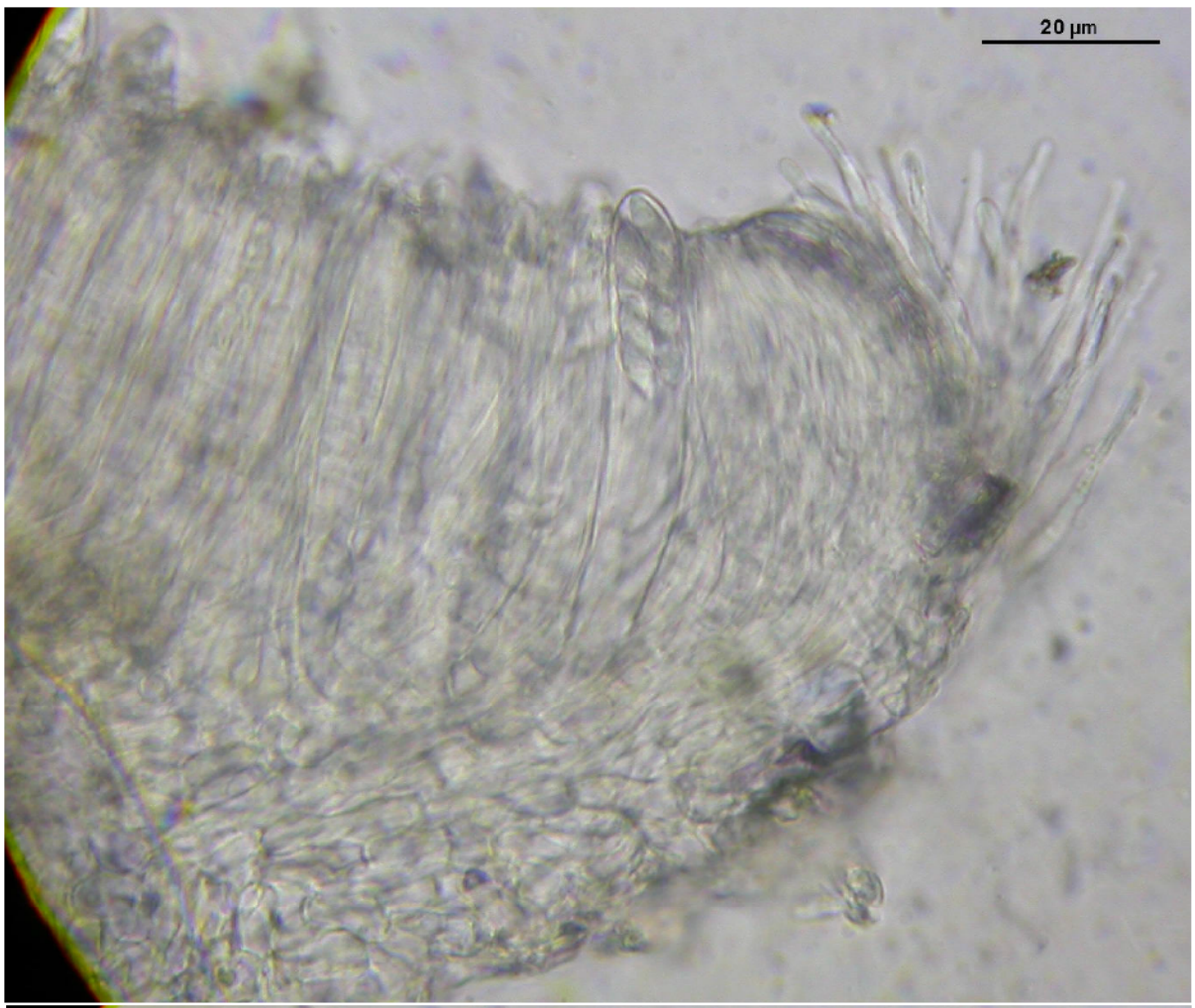
Hyaloscypha cf. ***vitreola*** (P. Karst.) Boud.

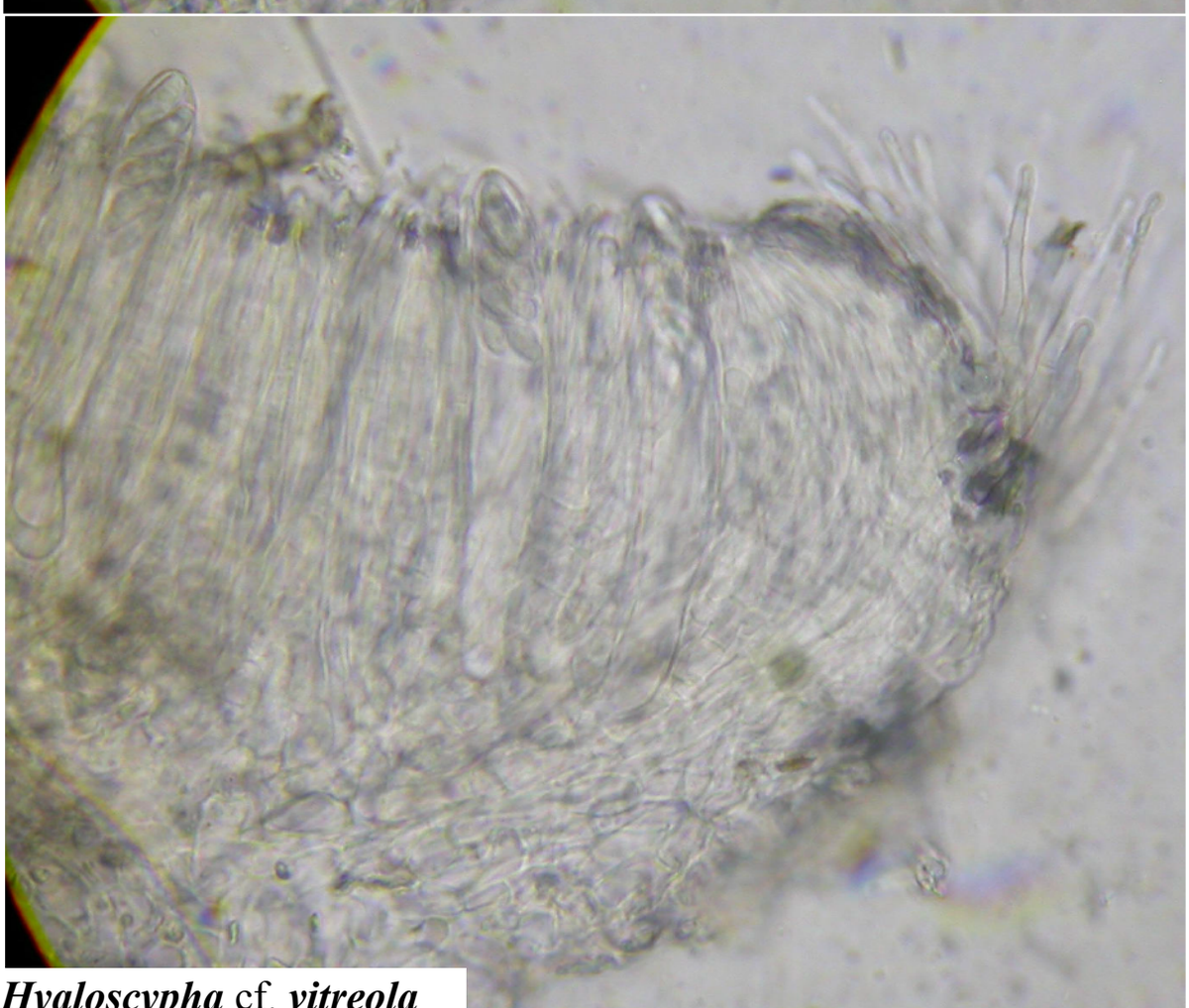
Excipulum am Rand behaart. Sporen hyalin, 8/Ascus, 1-zellig, 9.5-12.6 x 3.5 µm. Paraphysen unverzweigt, am Ende unverdickt. Excipulum unten mit polygonal-kurzrechteckigen Zellen, zum Rande hin länger und enger, oberflächenparallel. Bilder z.T. von H.O.Baral!

[Herbar Baral HB9736], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, auf am Boden liegenden verrottetem Ast (Carpinus) im Laubwald, am S-Rand des Wäldchens „Reutgarten“ auf dem Weg zu den „Wangener Linden“. Leg. Schumm 05.10.2012, det. Baral 10.2012

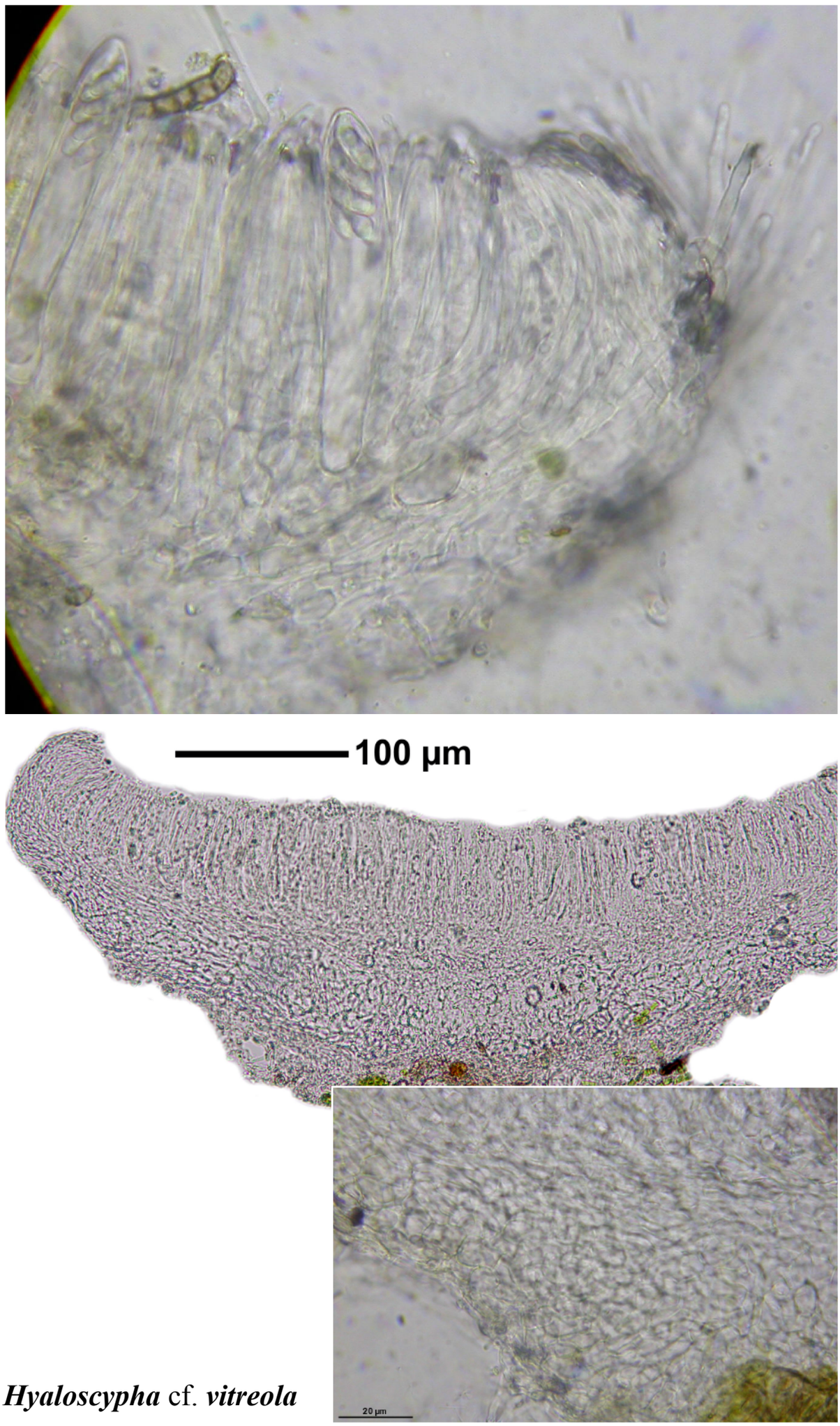




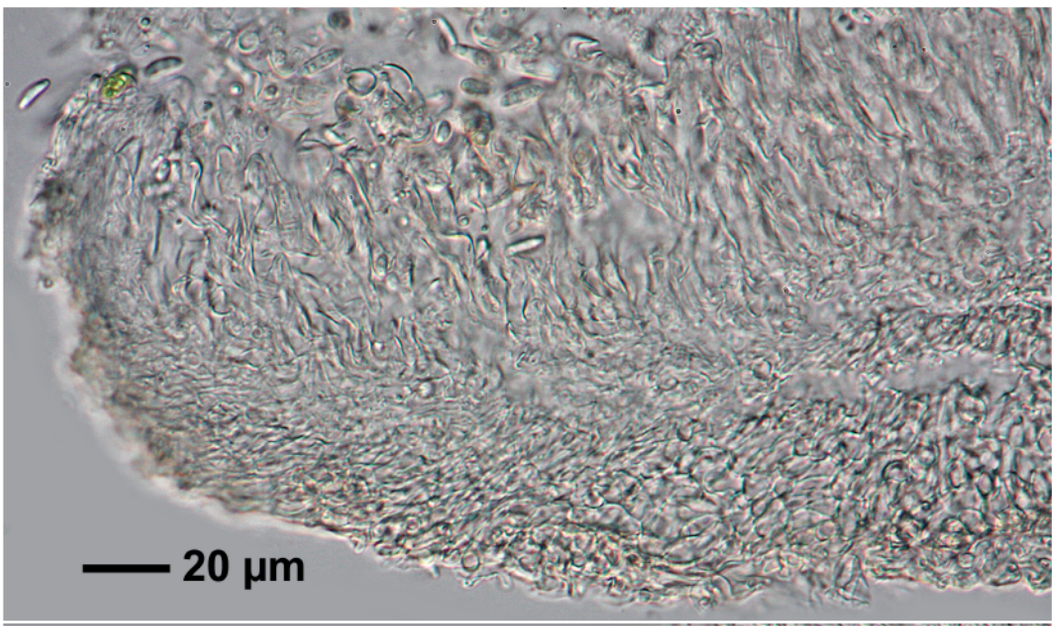


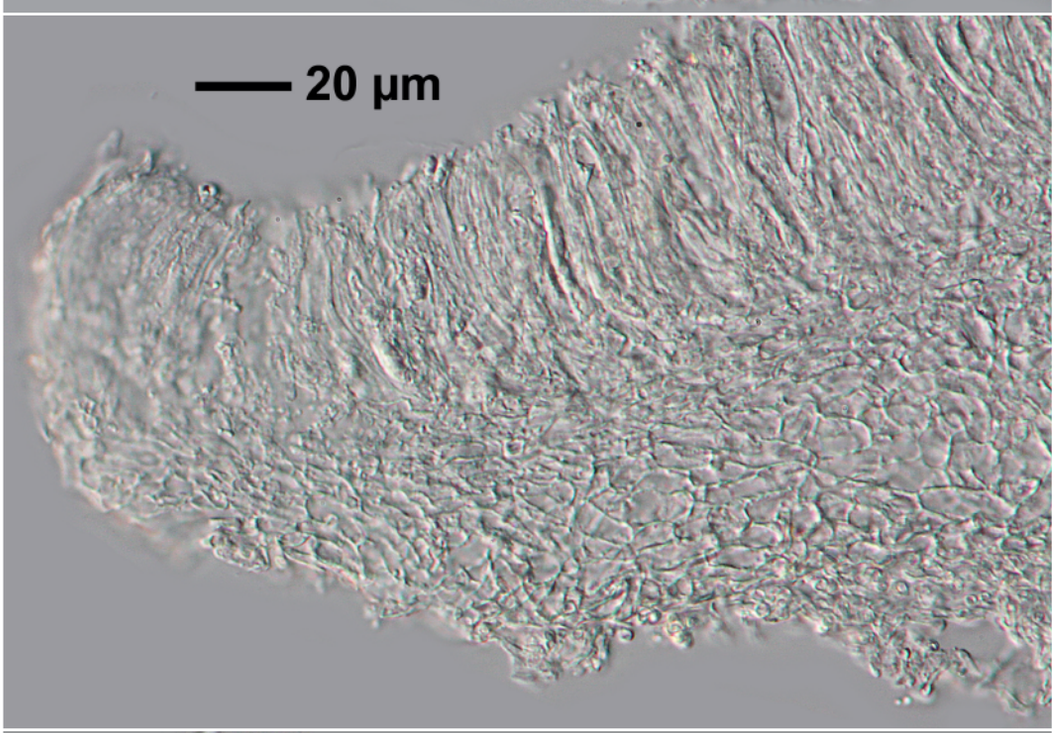


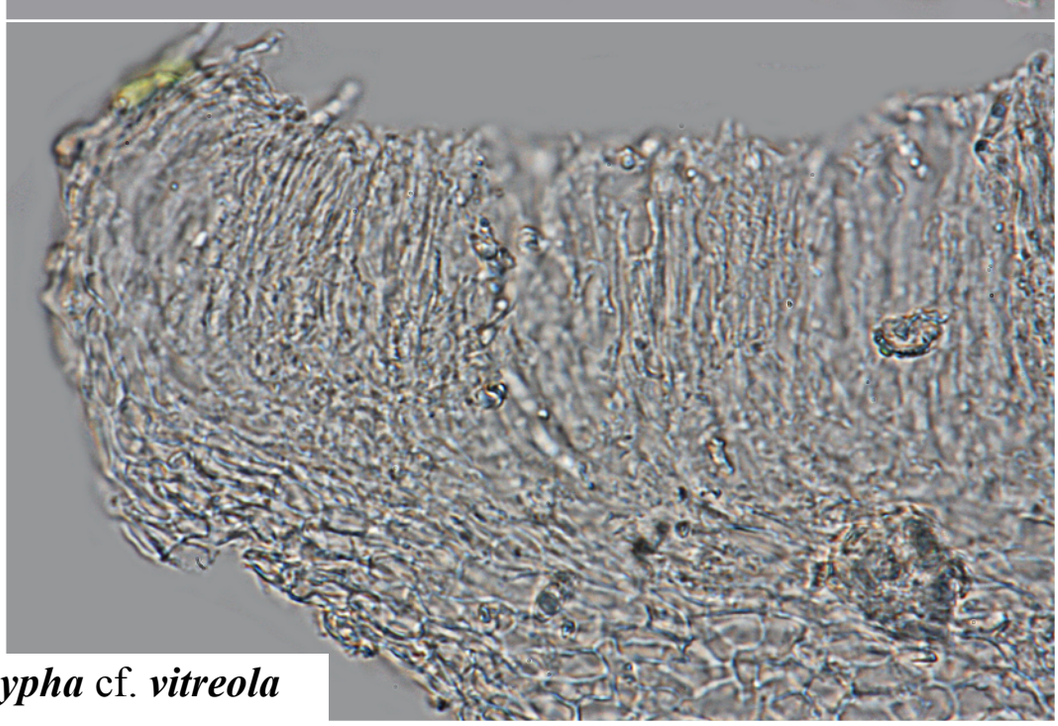
Hyaloscypha cf. ***vitreola***



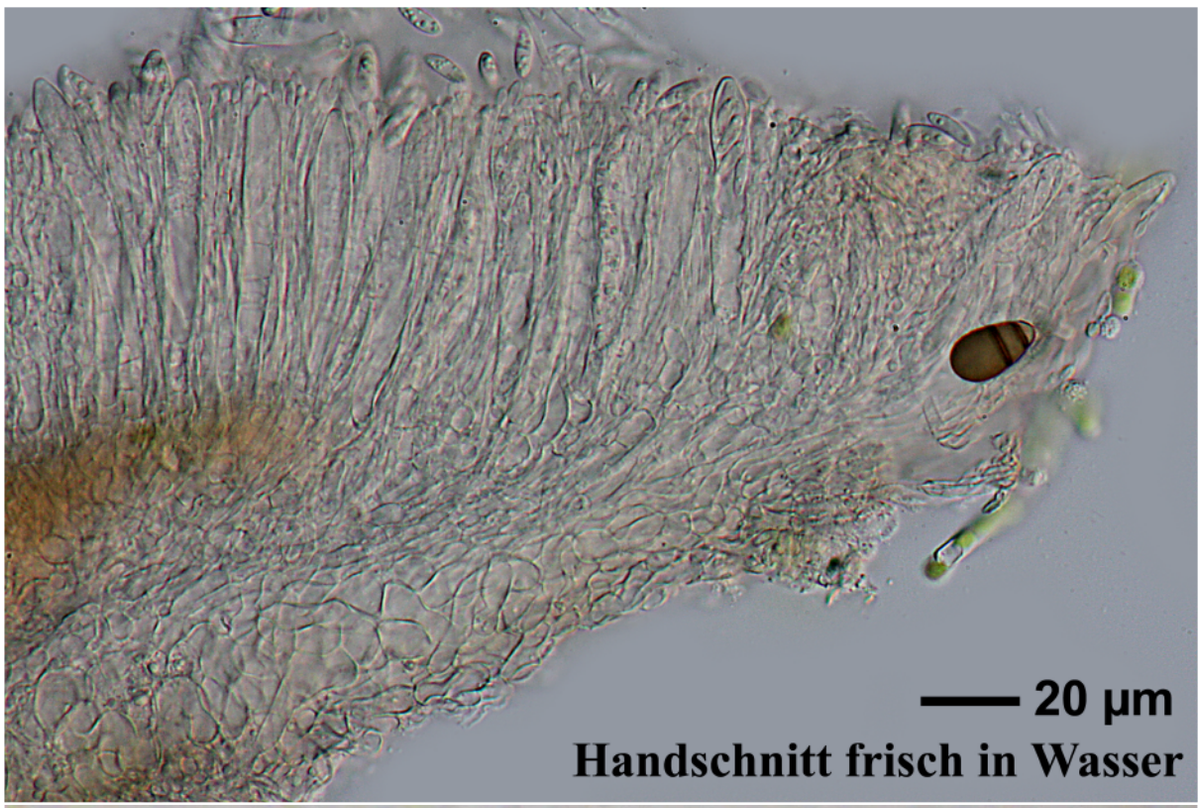
Hyaloscypha cf. ***vitreola***

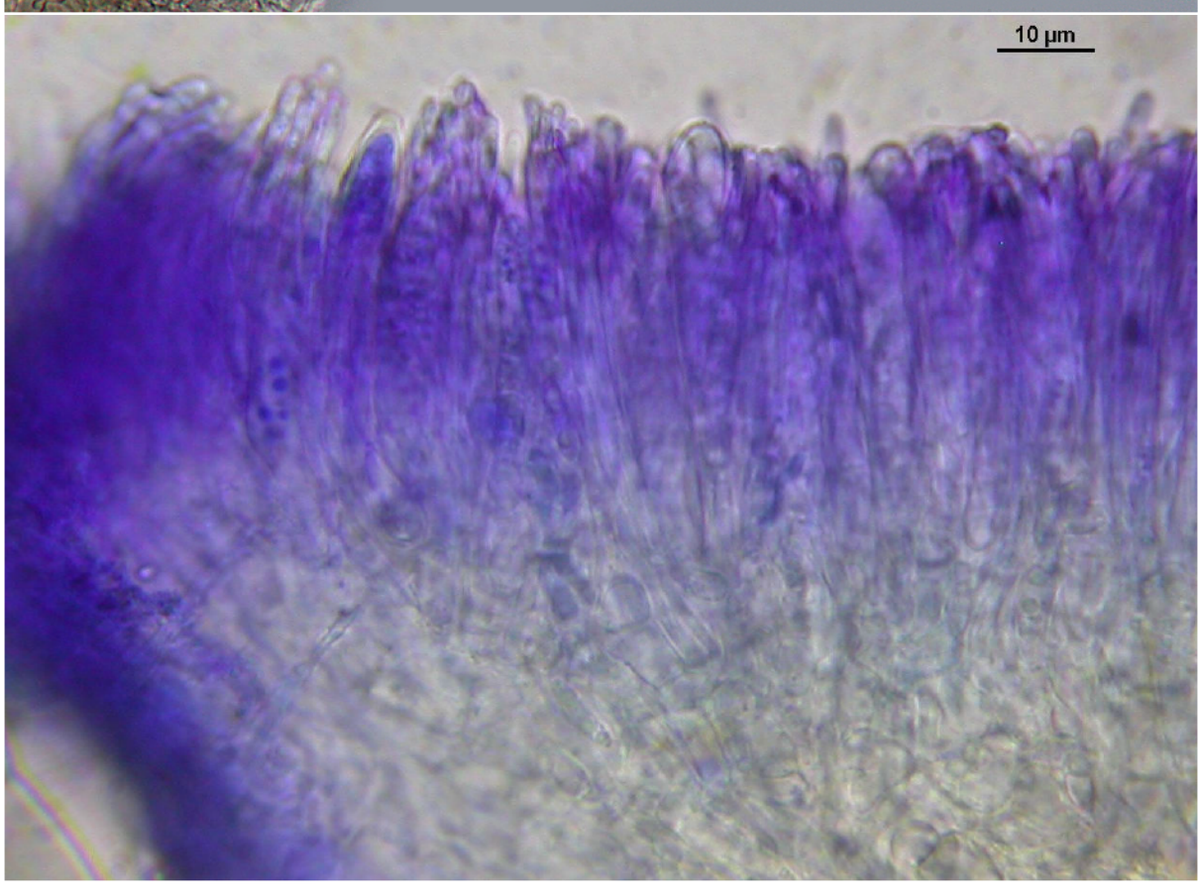






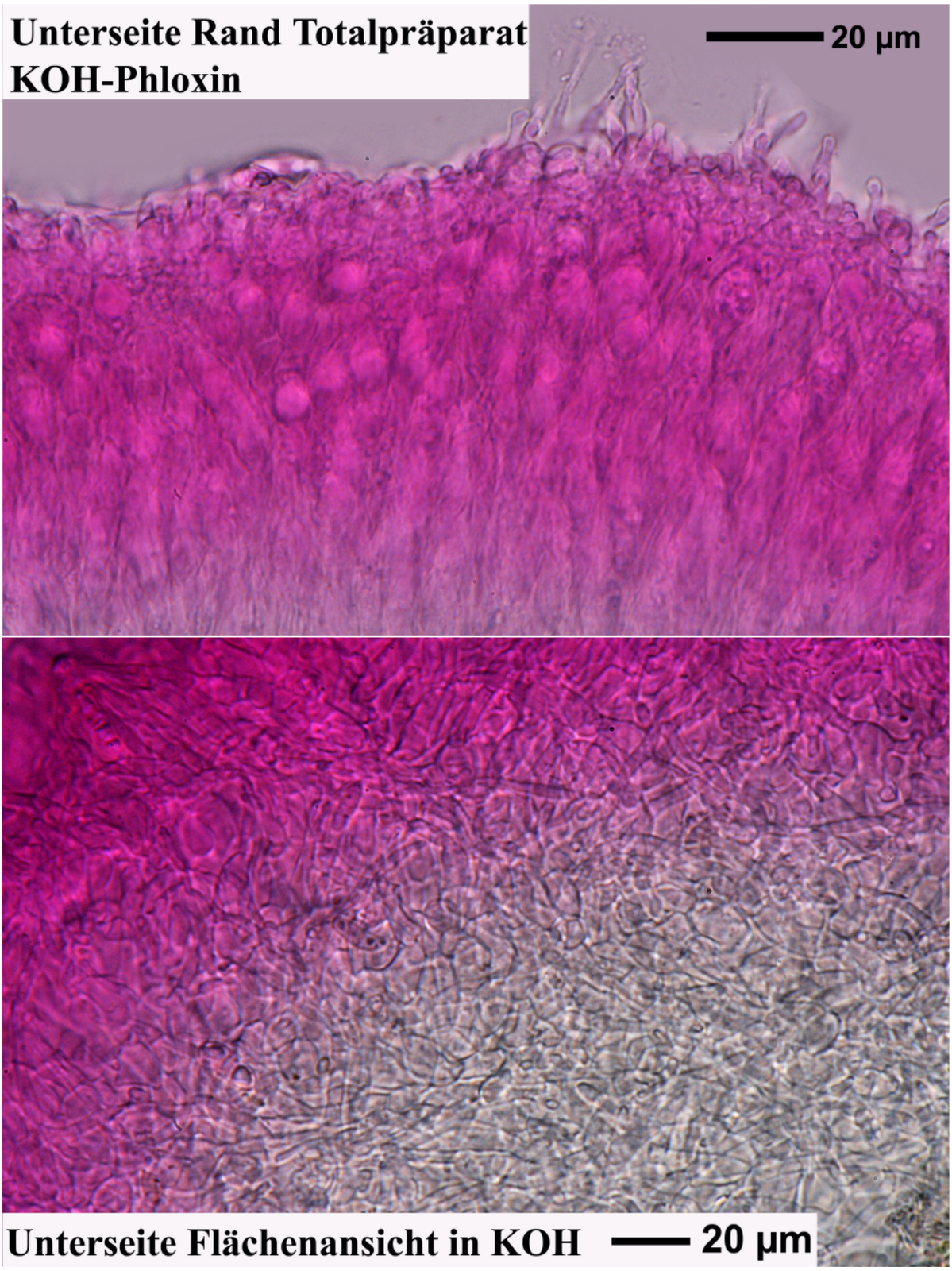
Hyaloscypha cf. ***vitreola***



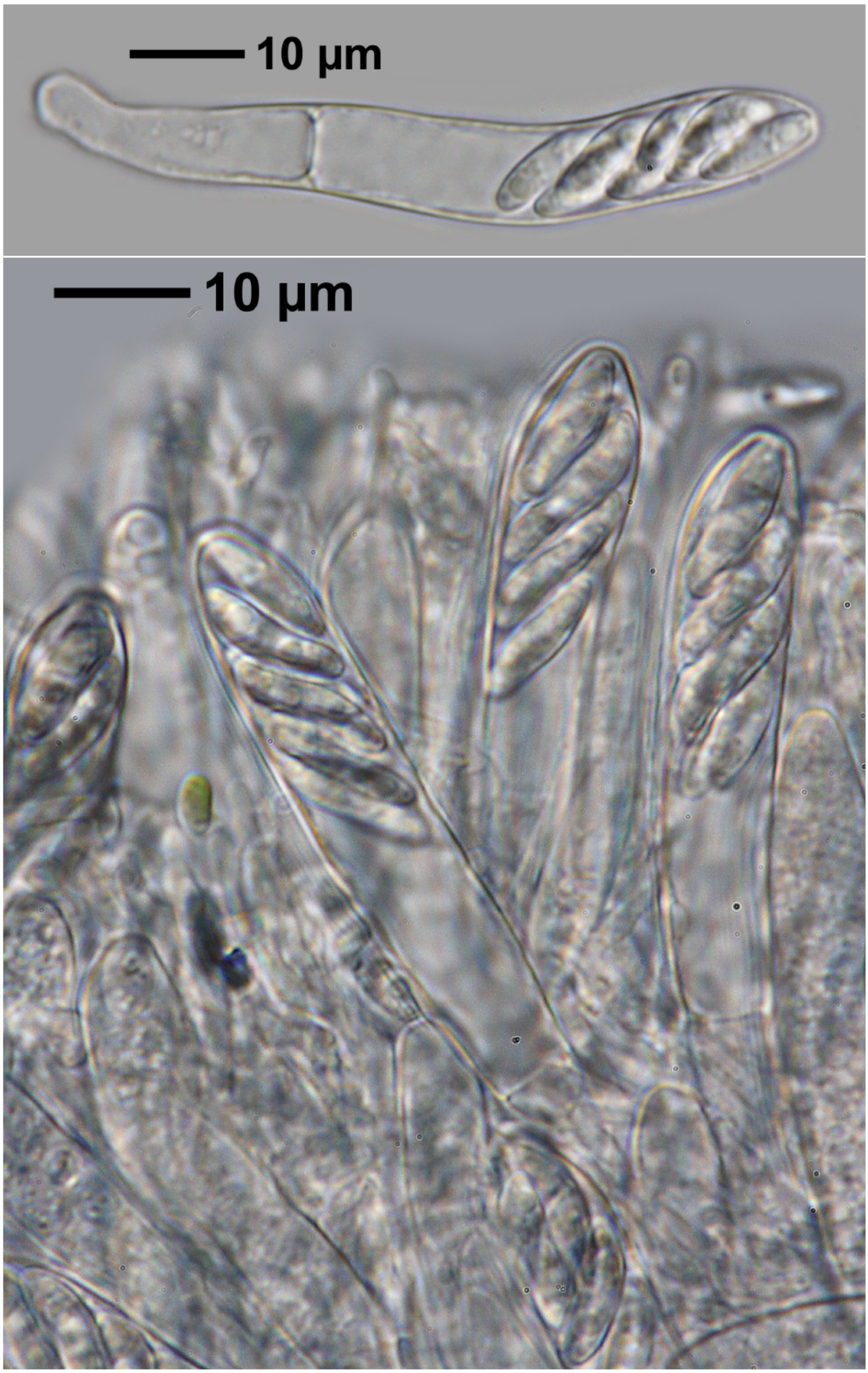


Kresylblaufärbung

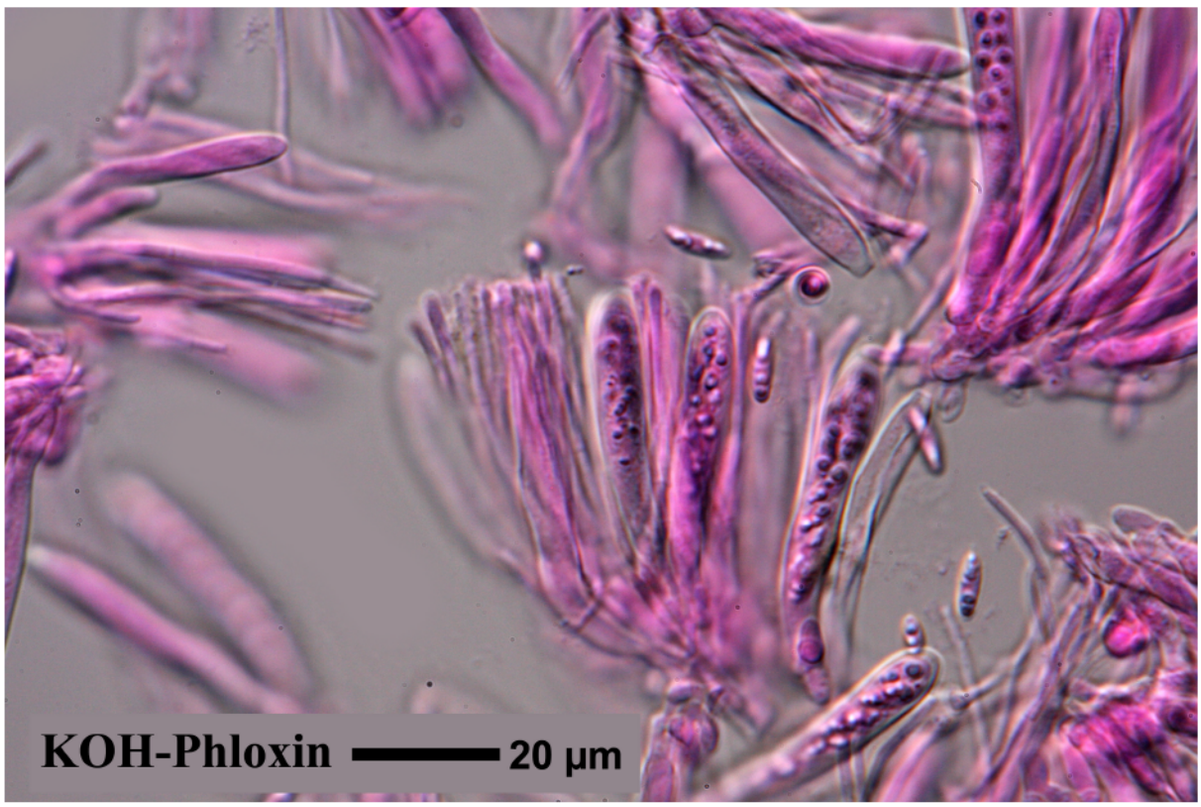
Hyaloscypha cf. ***vitreola***



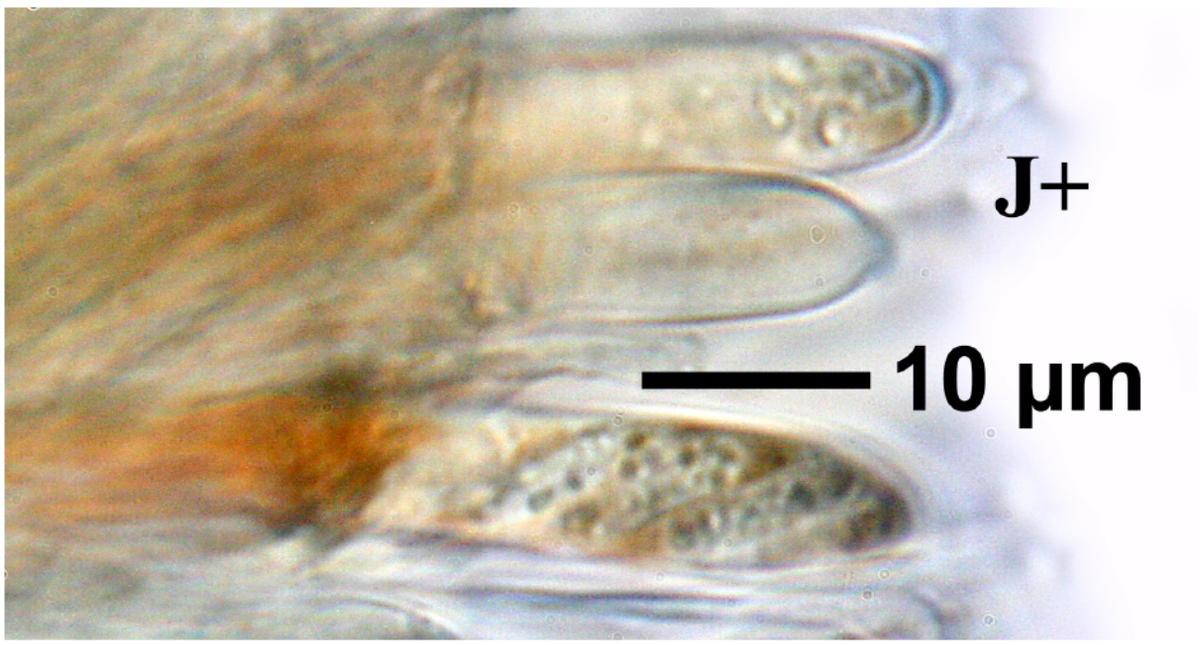
Hyaloscypha cf. ***vitreola***



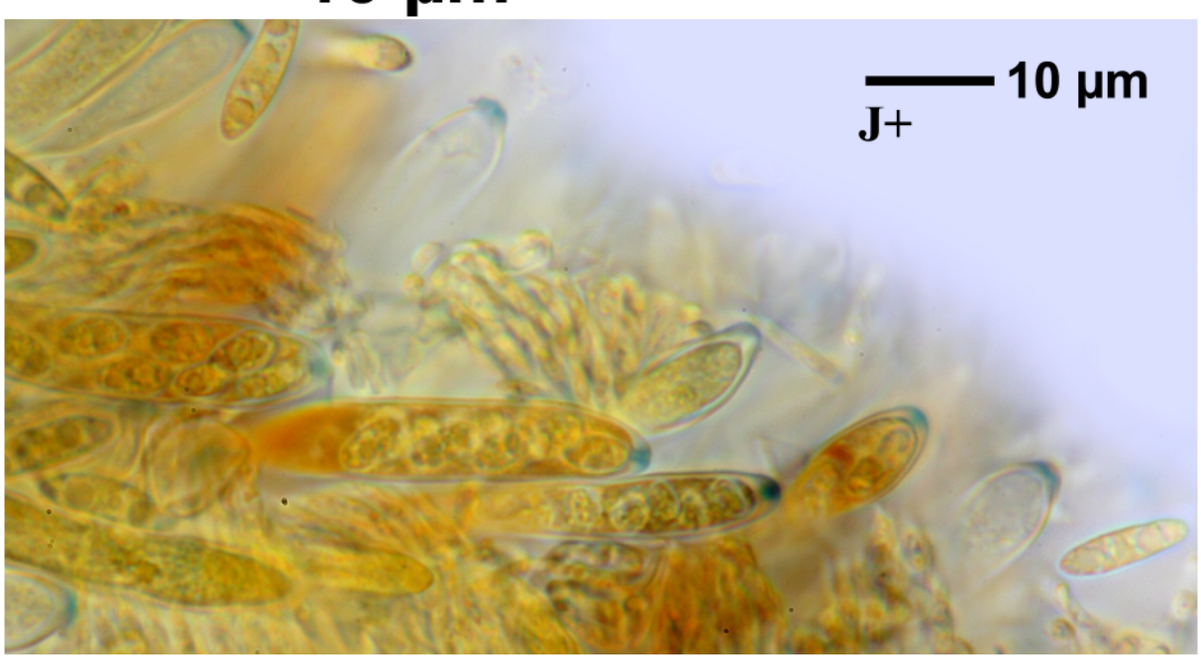
Hyaloscypha cf. ***vitreola***



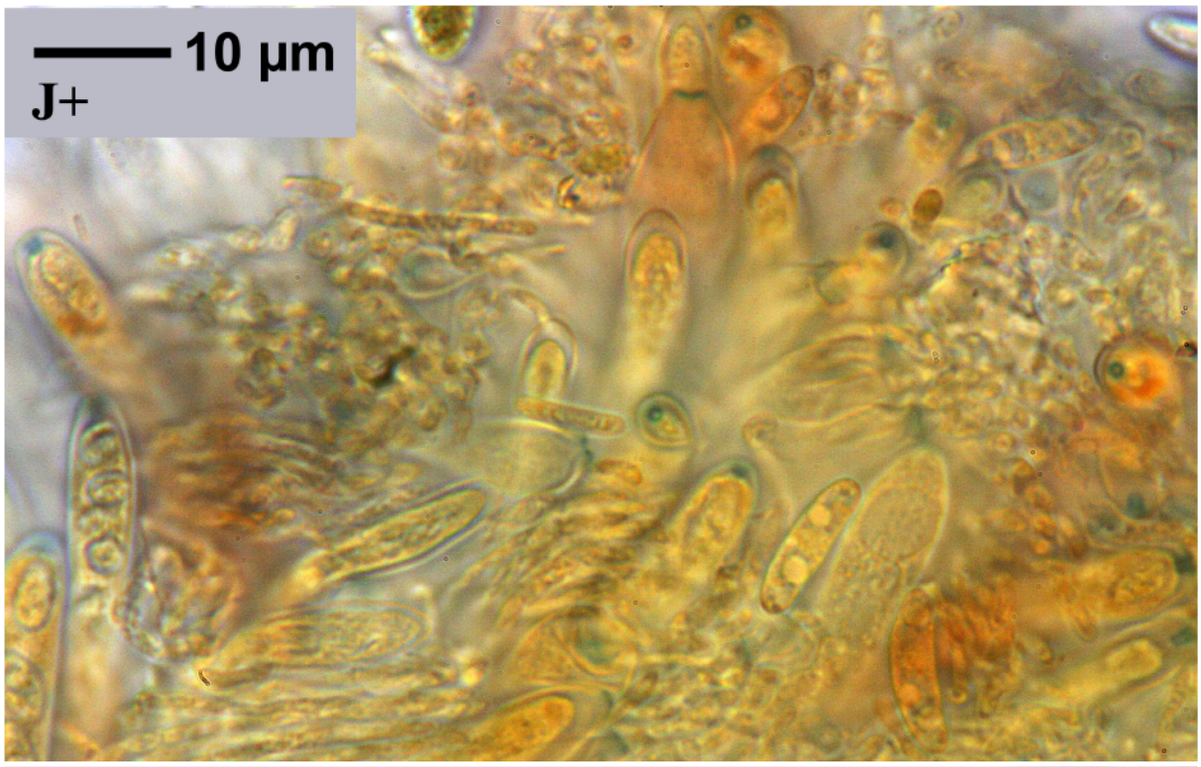
Hyaloscypha cf. ***vitreola***

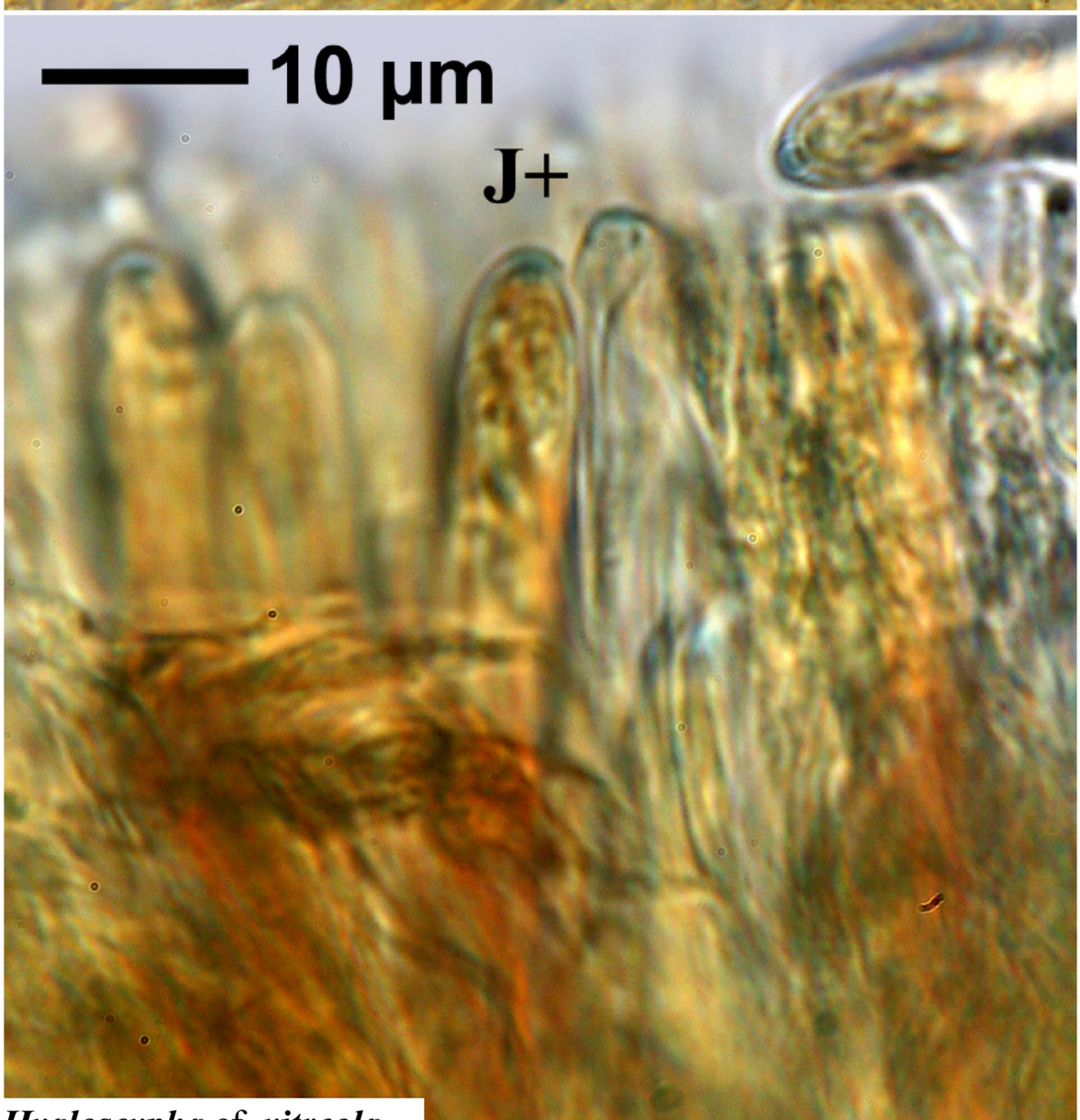




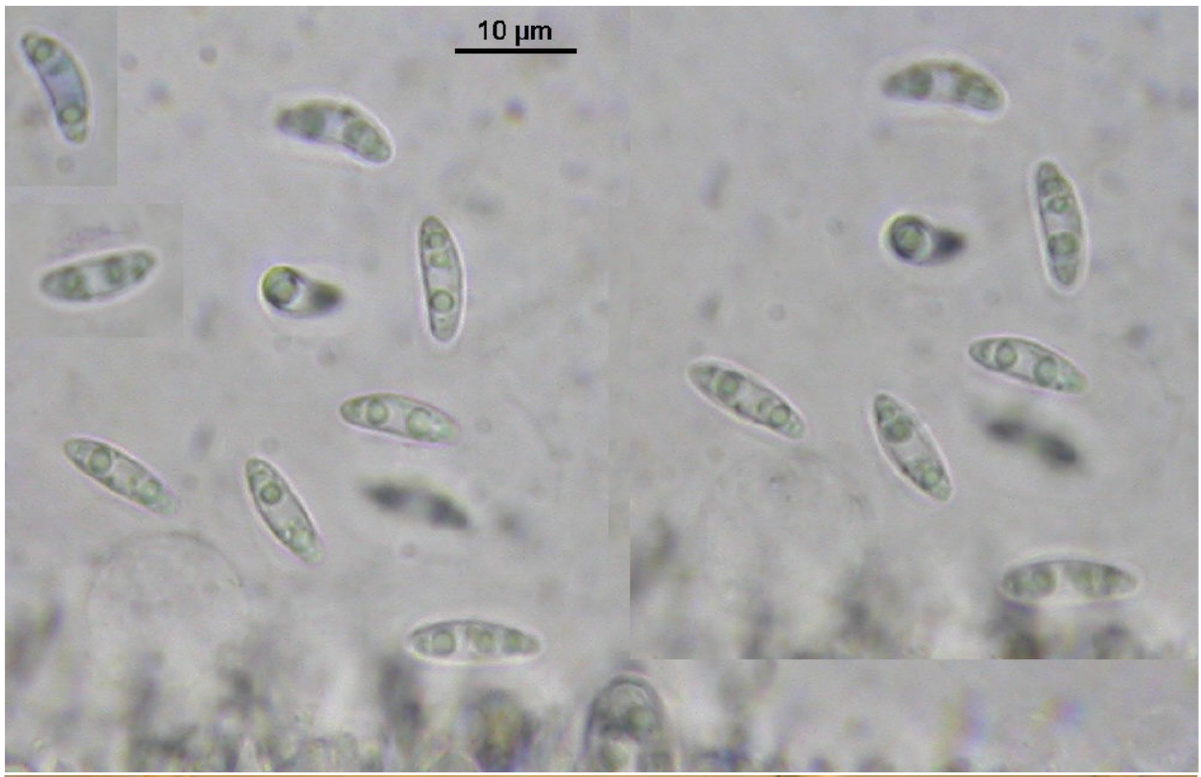


Hyaloscypha cf. ***vitreola***

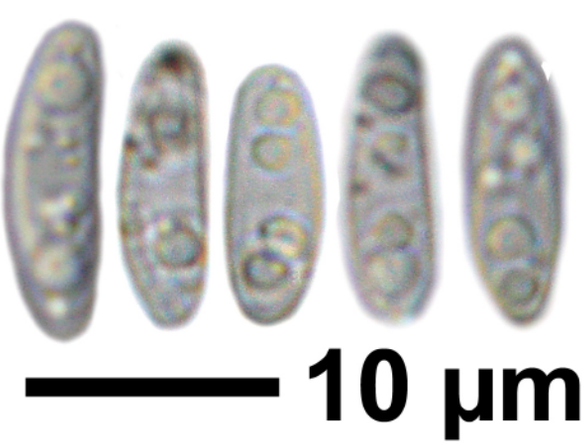




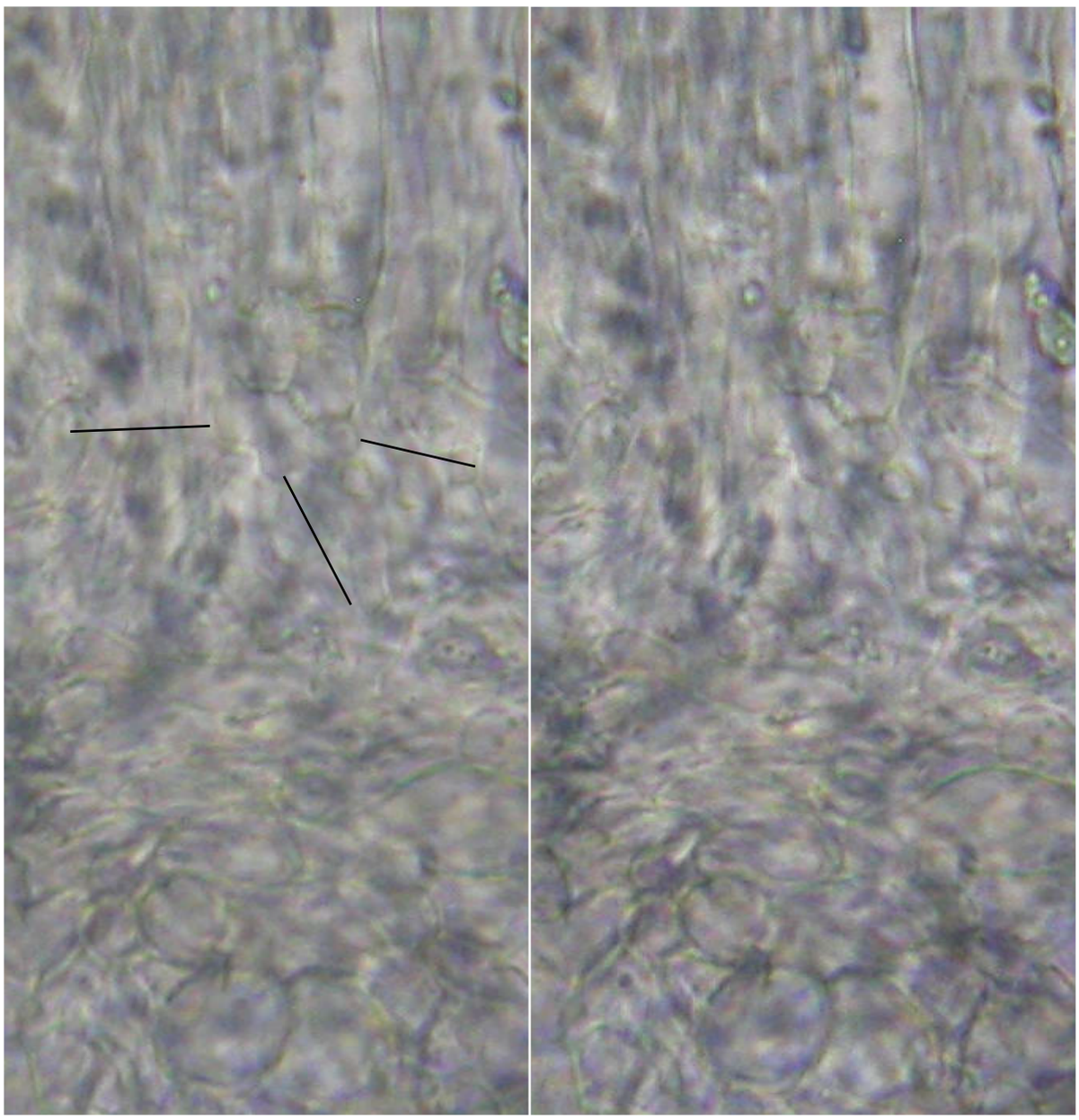
Hyaloscypha cf. ***vitreola***





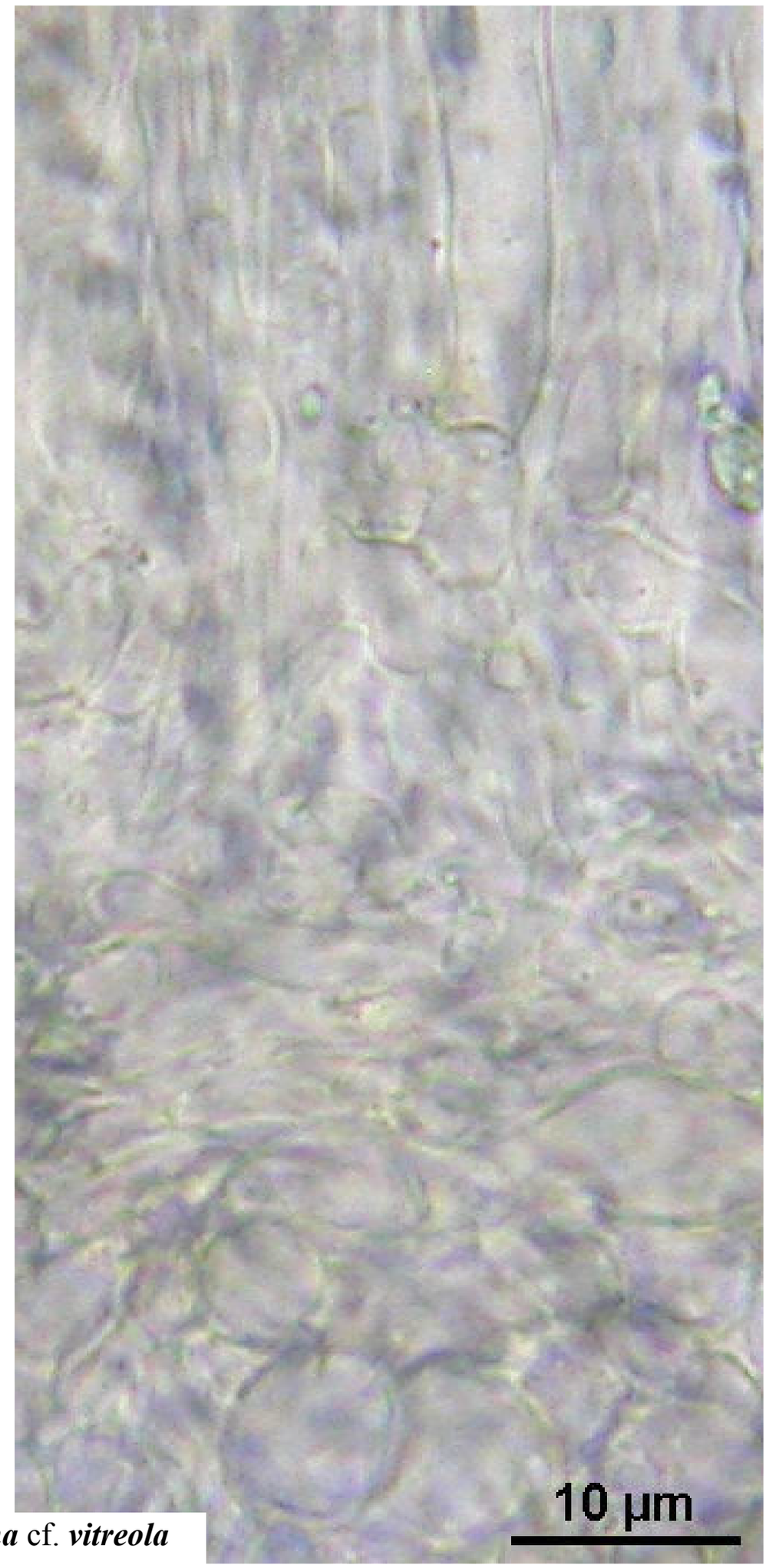


Hyaloscypha cf. ***vitreola***

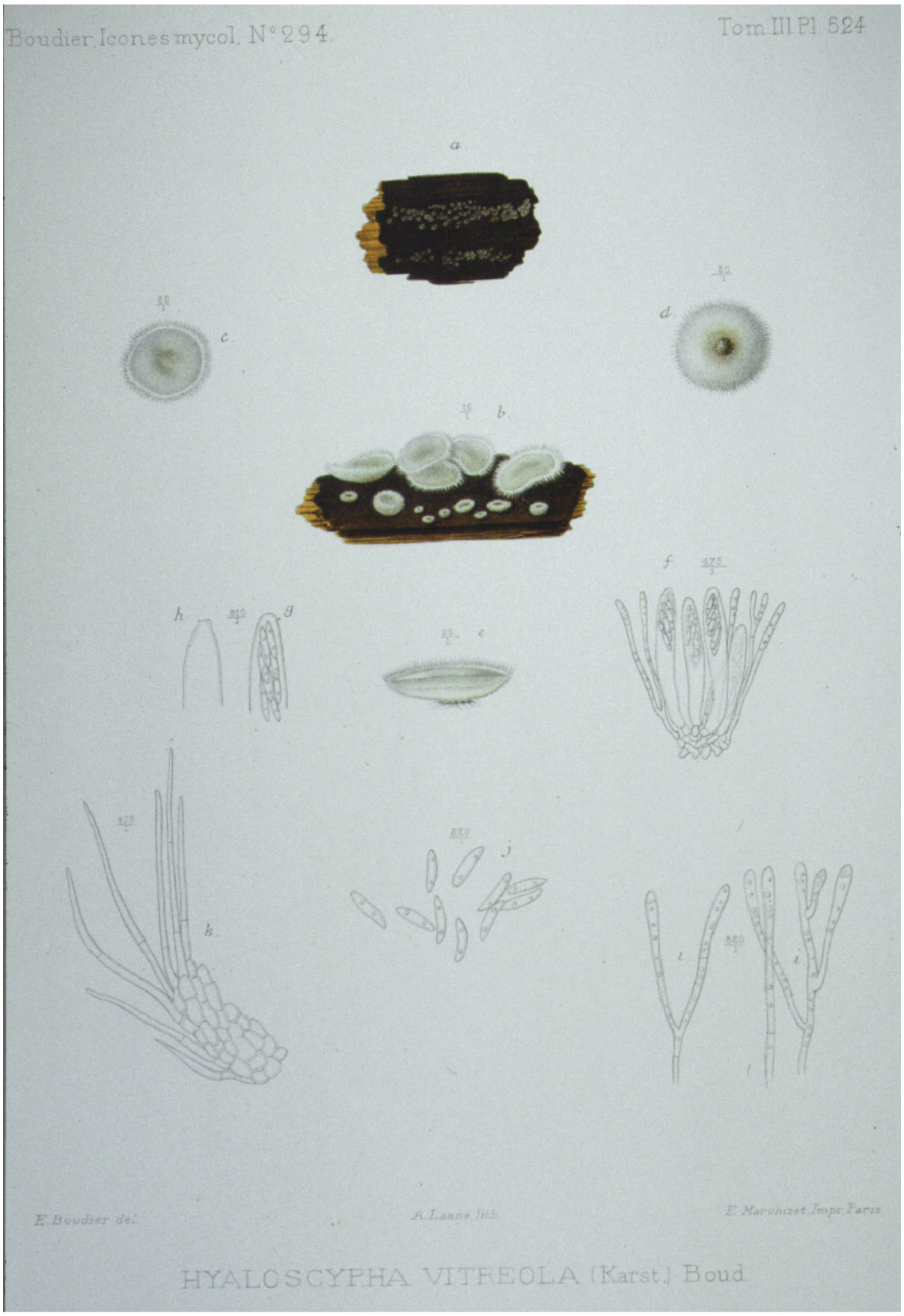


Haken an der Ascusbasis

Hyaloscypha cf. ***vitreola***



Hyaloscypha cf. ***vitreola***



Hyaloscypha cf. ***vitreola***

Hymenoscyphus calyculus (Sow. ex Fr.) Phill.

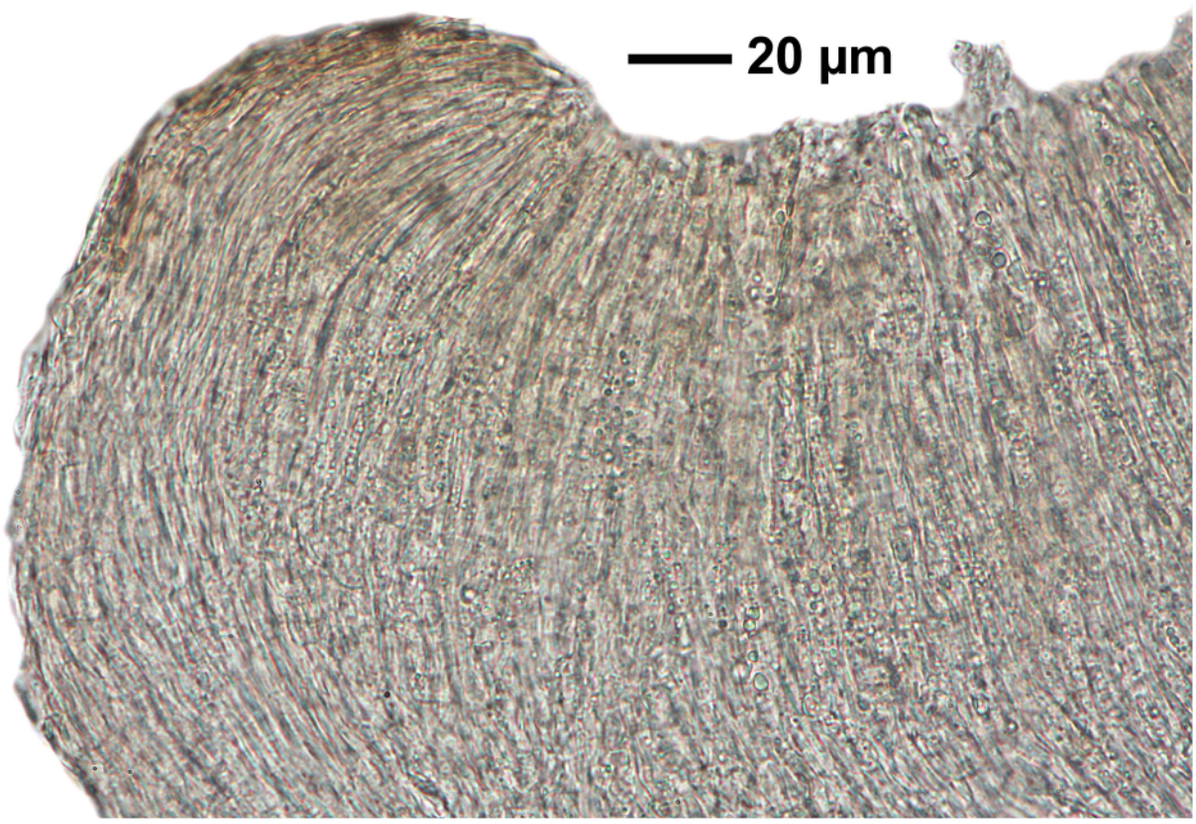
Apothecien gestielt, Scheibe dottergelb, außen heller. Sporen hyalin, 1(-2)-zellig, ca. 16 x 4-5 µm. Randliche Excipulumhyphen oberflächenparallel, dünn, englumig. Asci apical mit sehr feiner K&J+ blauer Röhrenstruktur.

[18580], Germany, Baden-Württemberg, Kreis Göppingen, östlich von Wangen im Wald Reichenhart, 48.43564° N, 9.37508° E, 380 m, an abgefallenem, am Boden liegenden Ast von Fagus. Leg. et det. Schumm 25.09.2012.

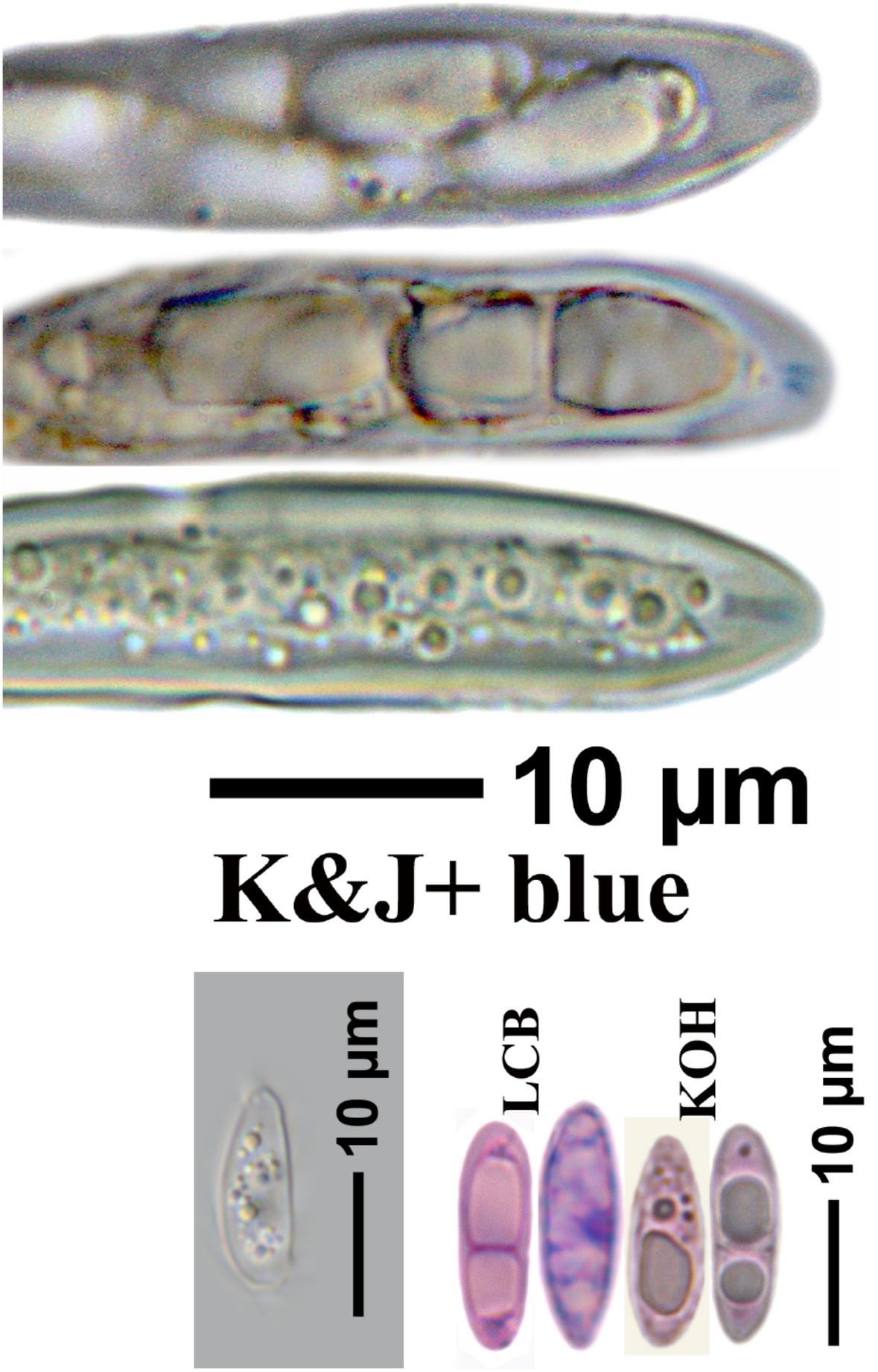




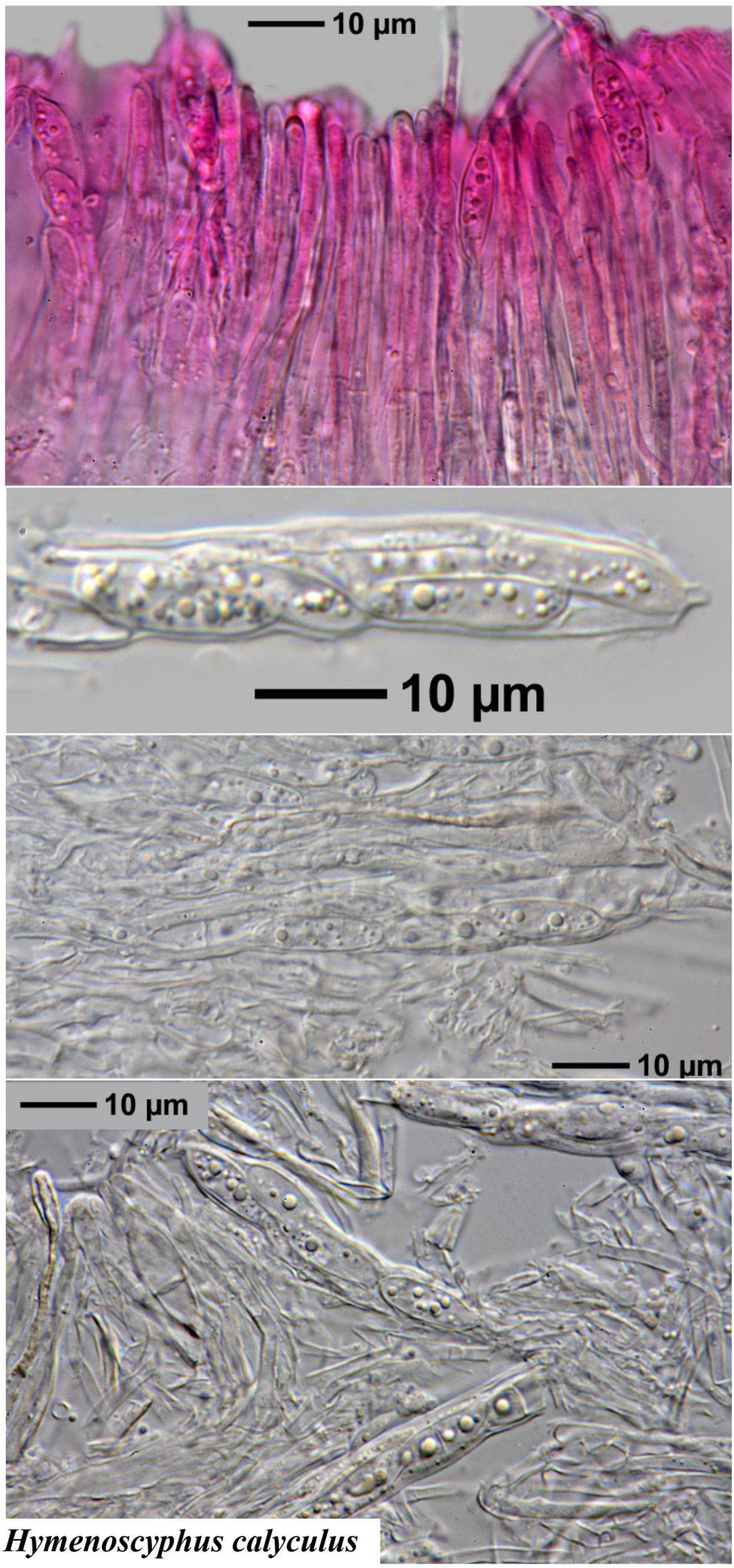




Hymenoscyphus calyculus



Hymenoscyphus calyculus



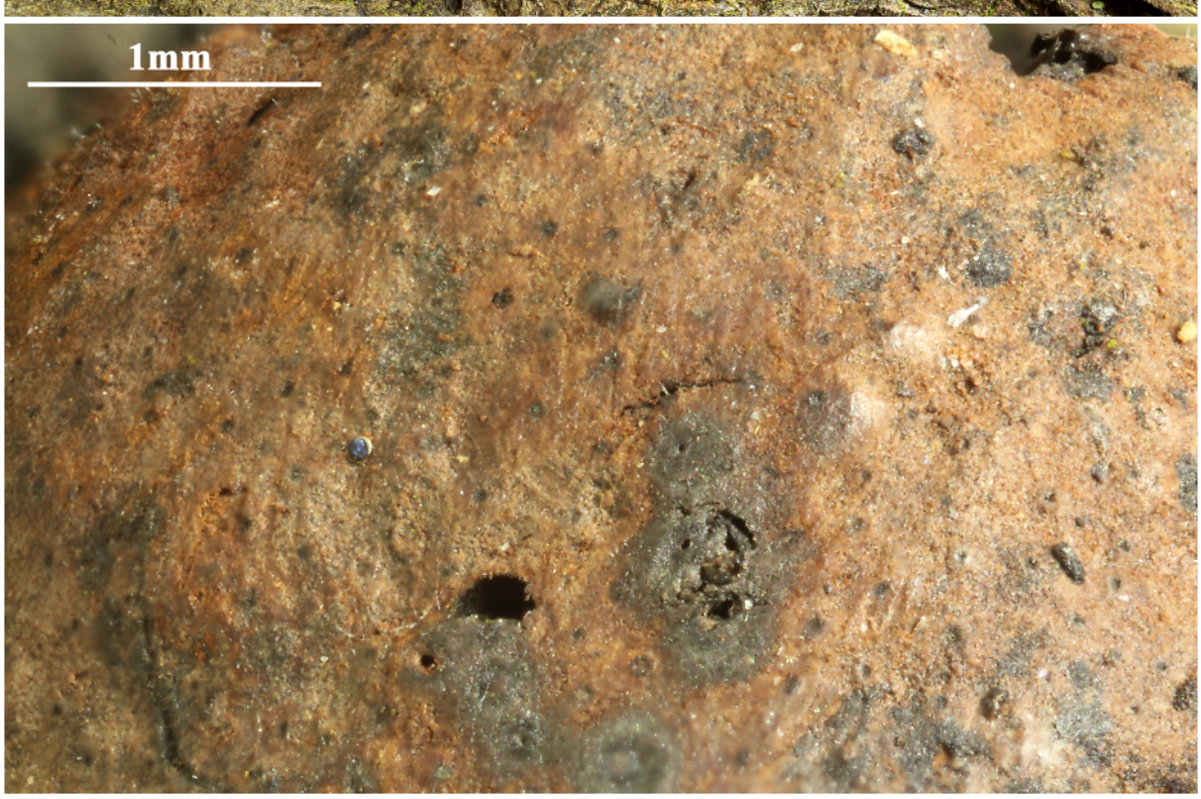
Hymenoscyphus calyculus

Hypoxylon fuscum (Pers. ex Fr.) Fr.

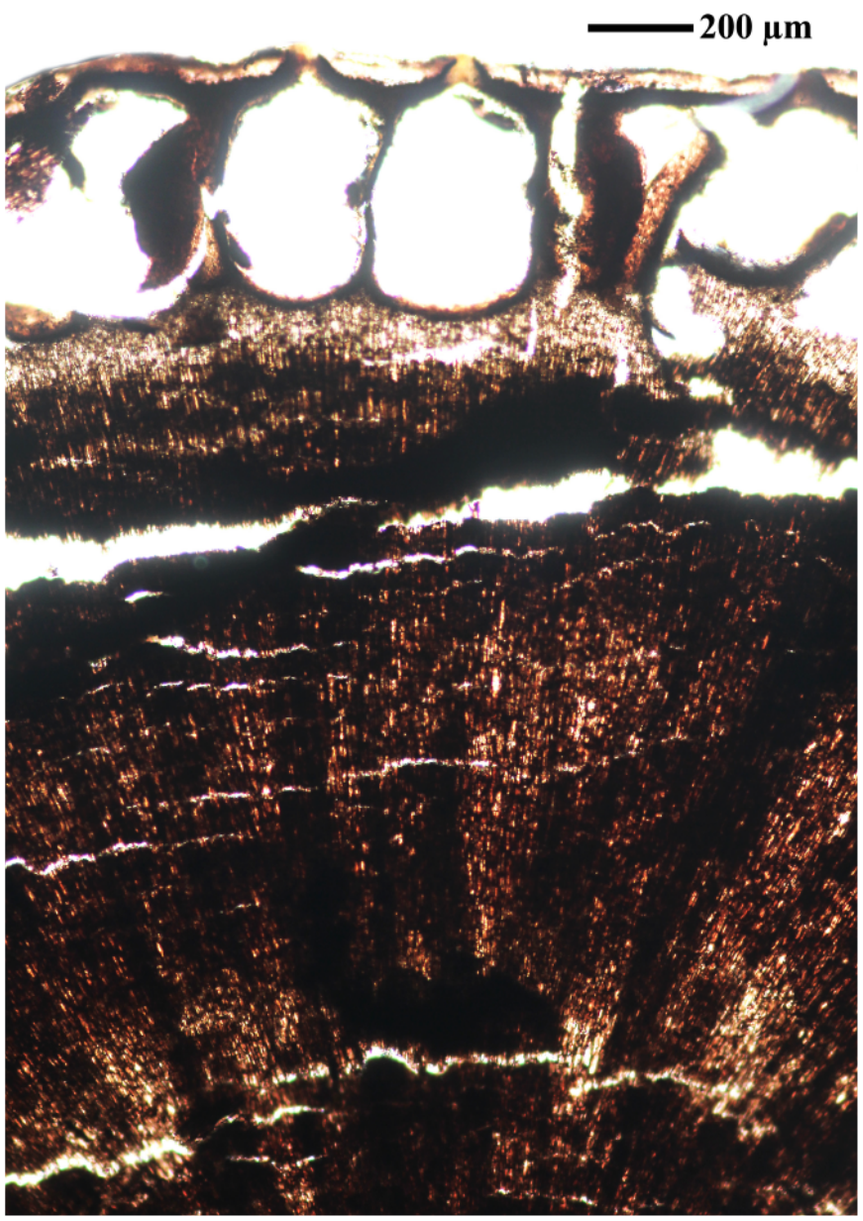
Sporen braun, einzellig,8.3 x 3-3.9 µm.

[19776], Germany, Kreis Göppingen, zwischen Wangen und Oberberken, Waldrand an abgestorbenen Laubholz Ästen, 48.75706° N, 9.56448° E, 424 m. Leg. F. Schumm, 8.3.2018

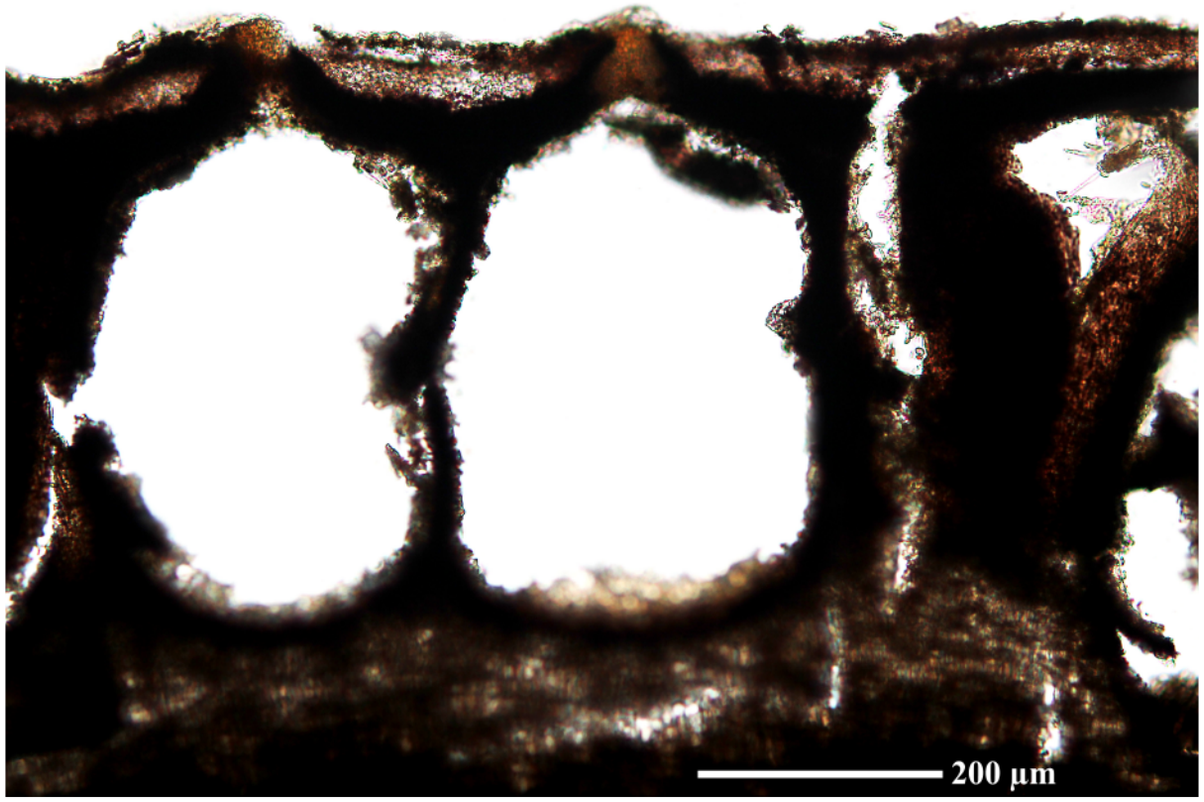


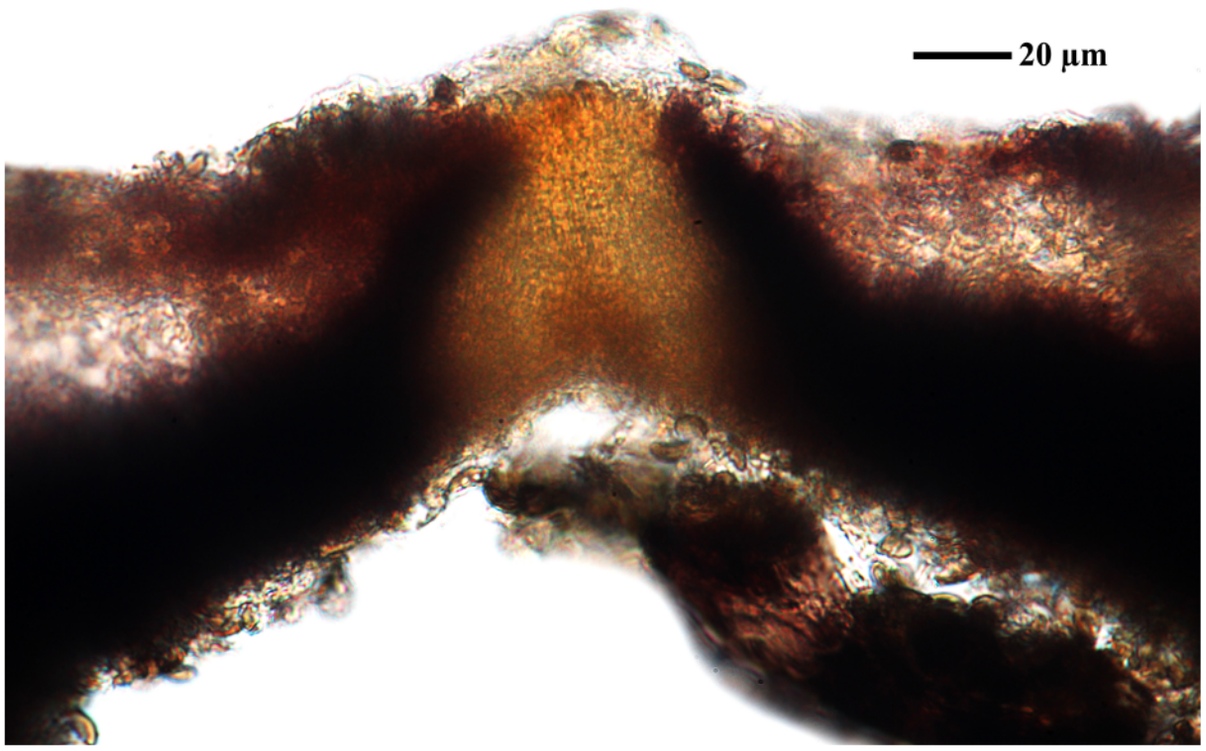




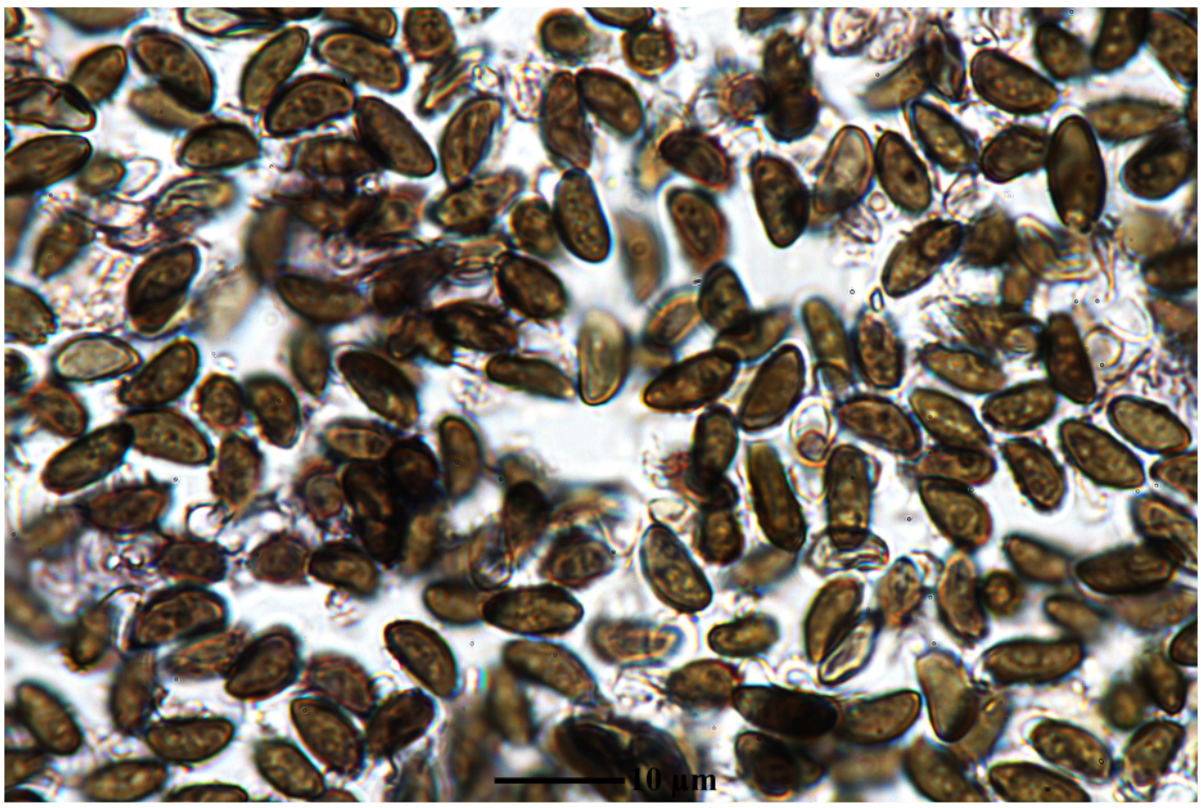


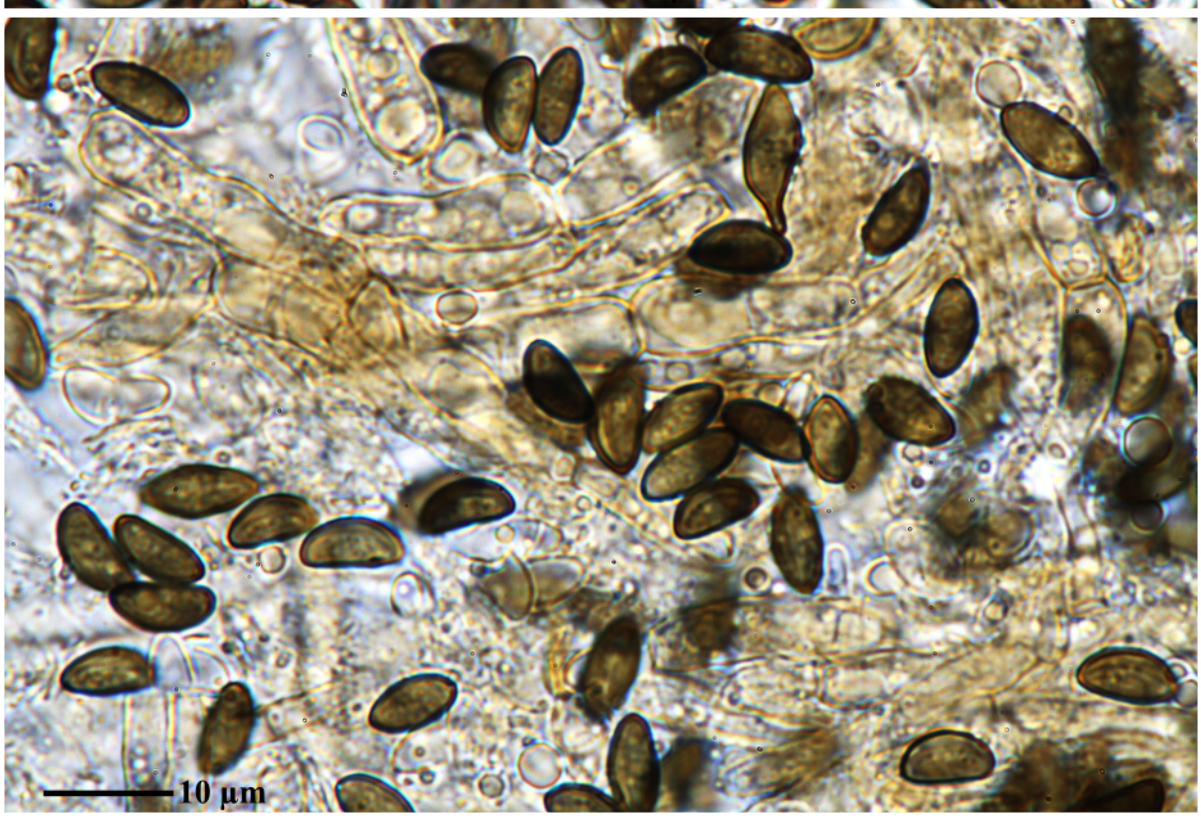
Hypoxylon fuscum





Hypoxylon fuscum





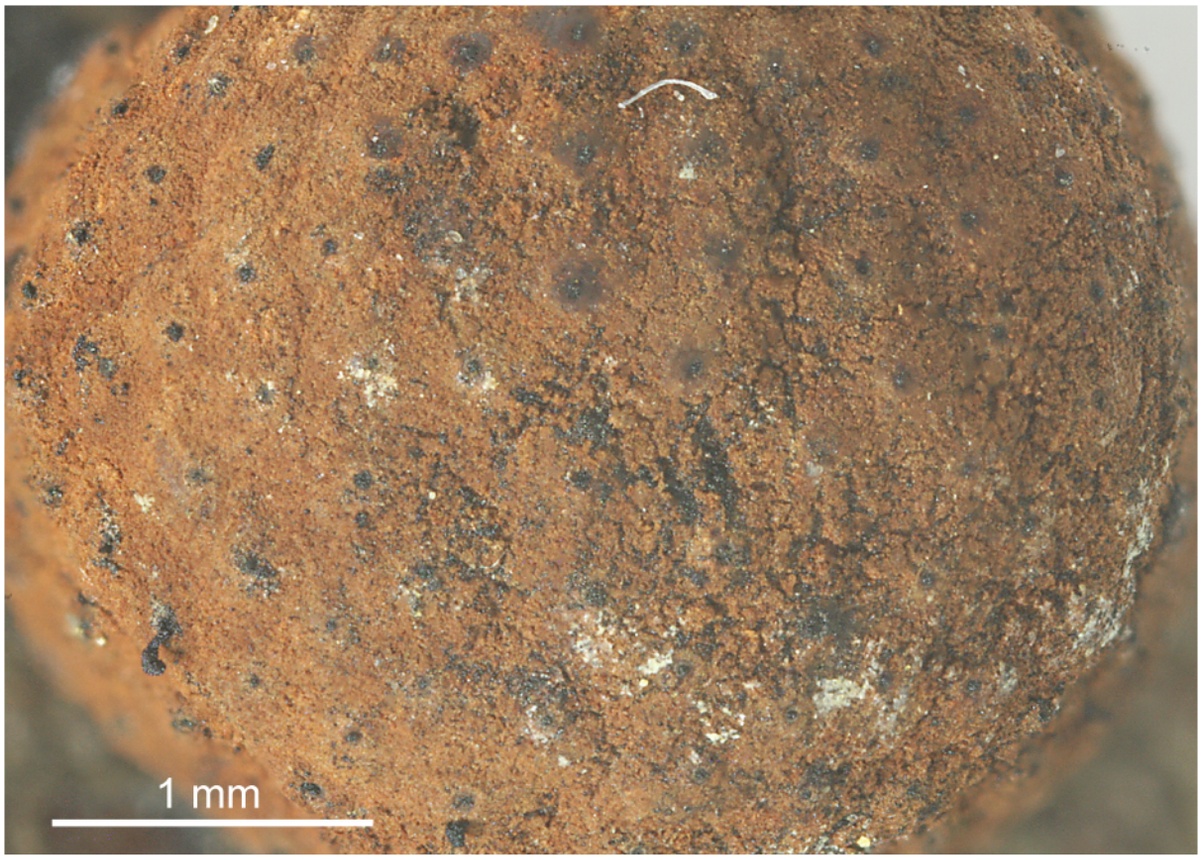
Hypoxylon fuscum

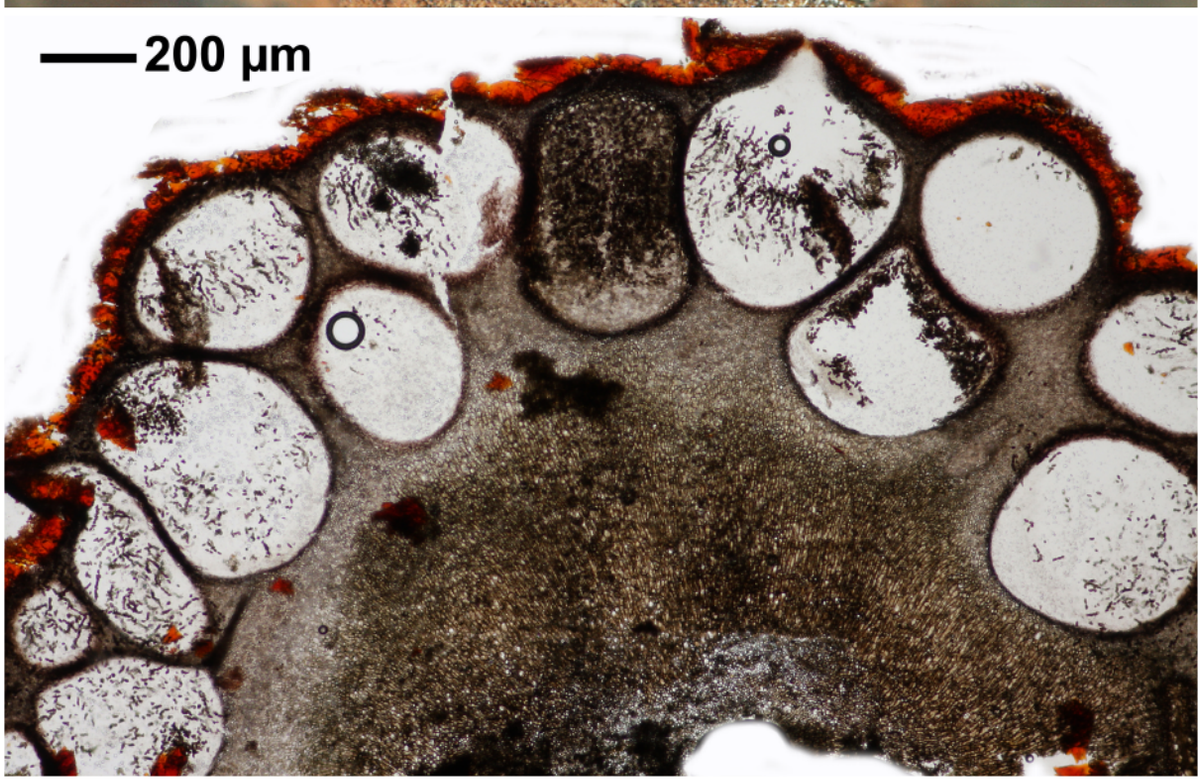
Hypoxylon fuscum (Pers. ex Fr.) Fr.
Rotbraune Kohlenbeere

[18584], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, auf morschen Ästen (Fagus ?) am S-Rand des Wäldchens „Reutgarten“ auf dem Weg zu den „Wangener Linden“. Leg. Schumm 05.10.2012, det. Schumm.

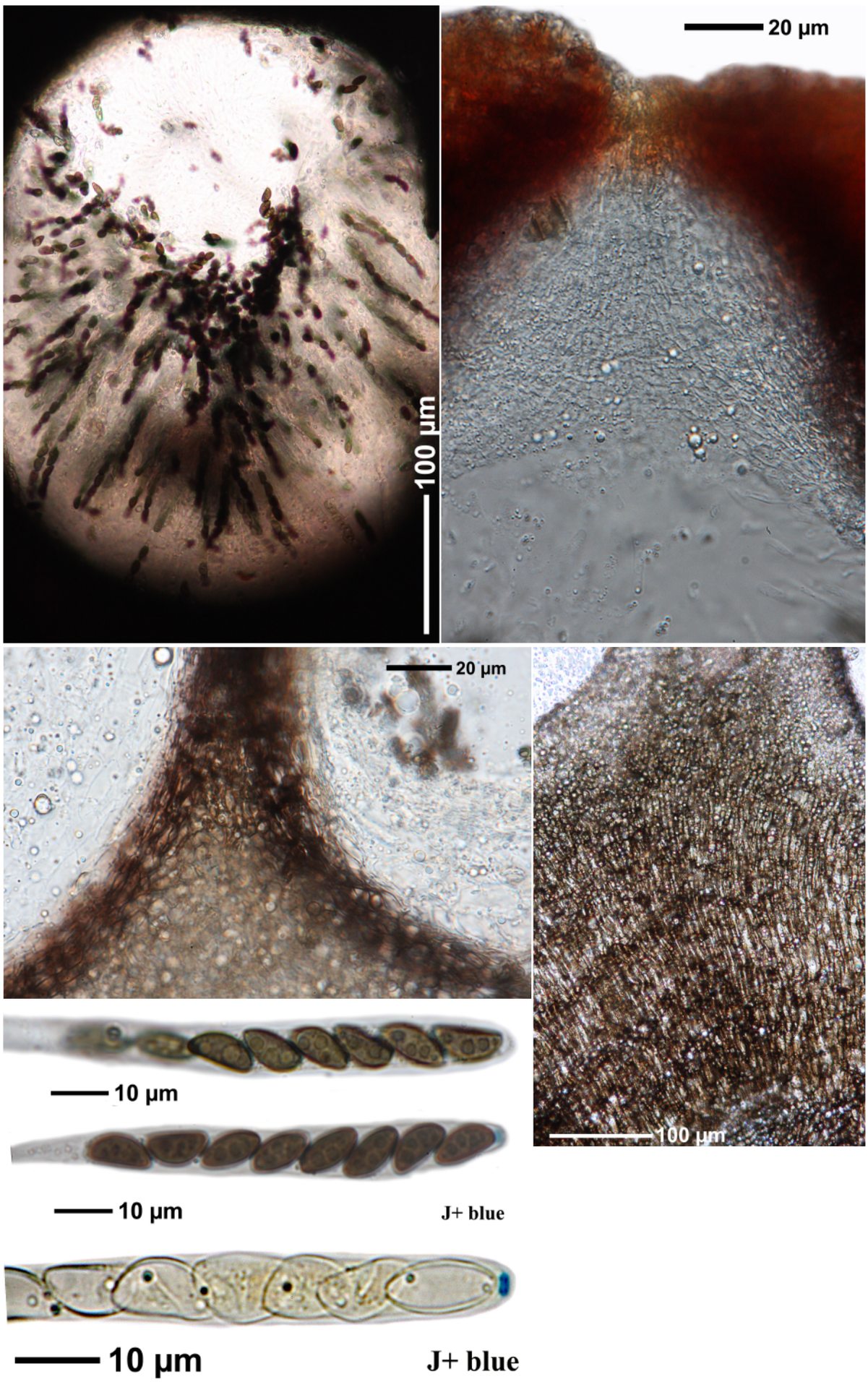








Hypoxylon fuscum

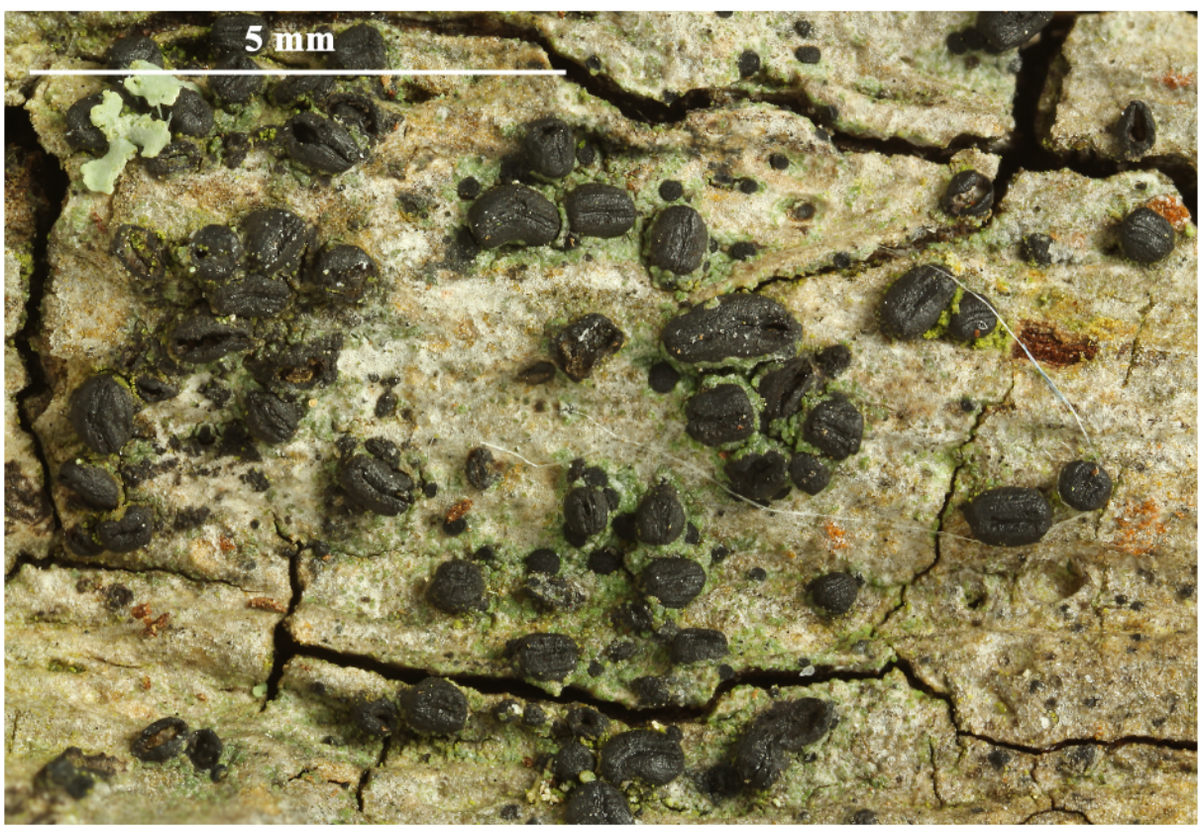


Hypoxylon fuscum

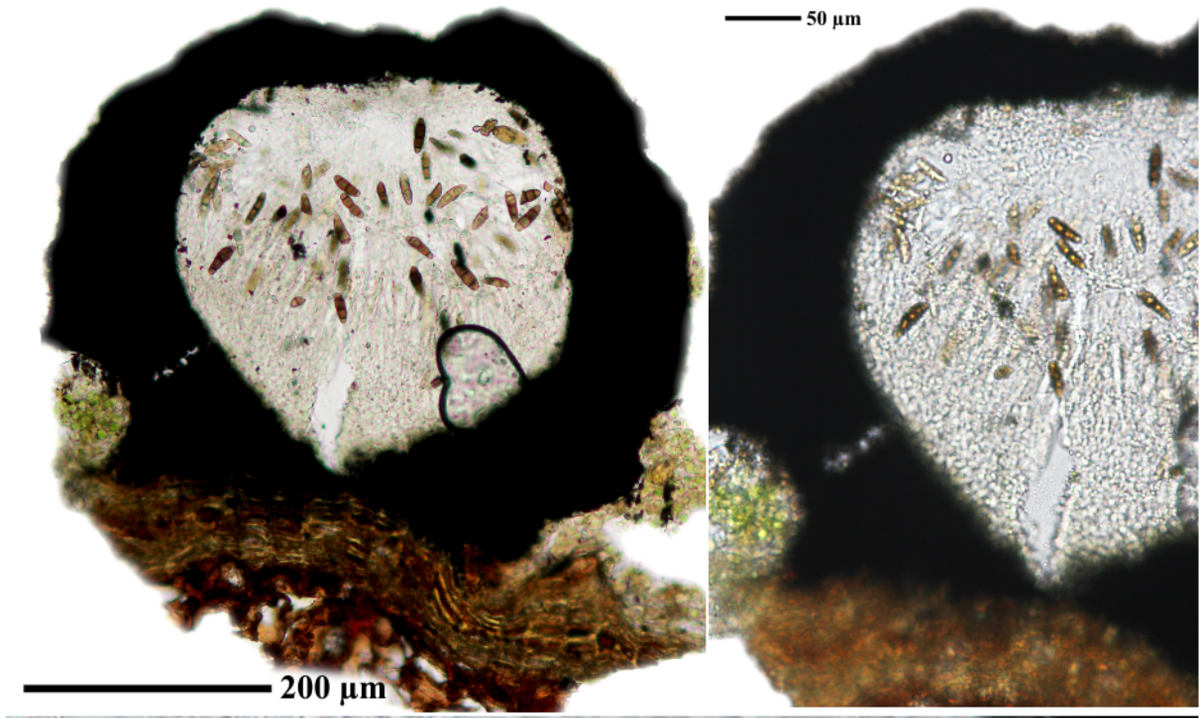
Hysterium pulicare Pers. ex Mérat

Paraphysen netzig verzweigt, Hamathecium inspers, überall J-. Sporen braun, 3-septiert, 29-30 x 8 µm, Endzellen teilweise heller.

[19775], Germany, Kreis Göppingen, zwischen Wangen und Oberberken, Waldrand an Rinde von Quercus, 48.75706° N,m 9.56448° E, 424 m. Leg. F. Schumm, 8.3.2018











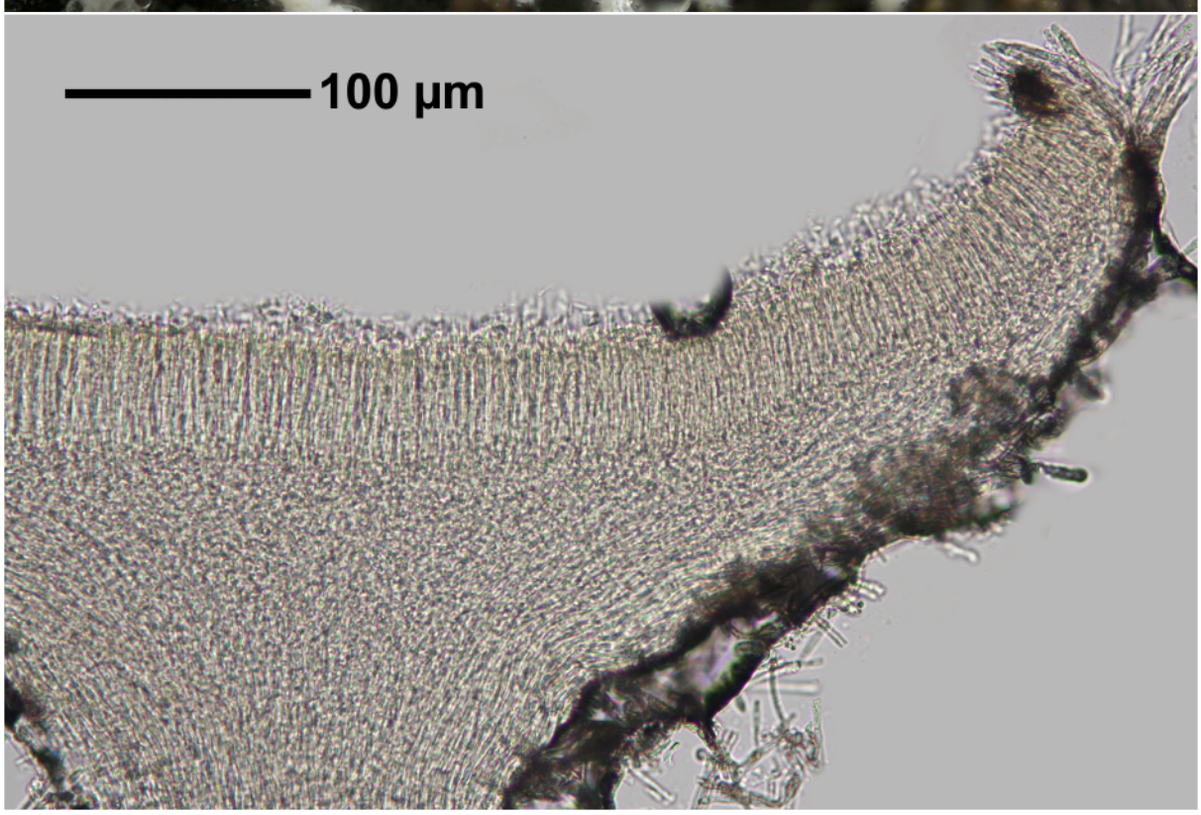
Hysterium pulicare

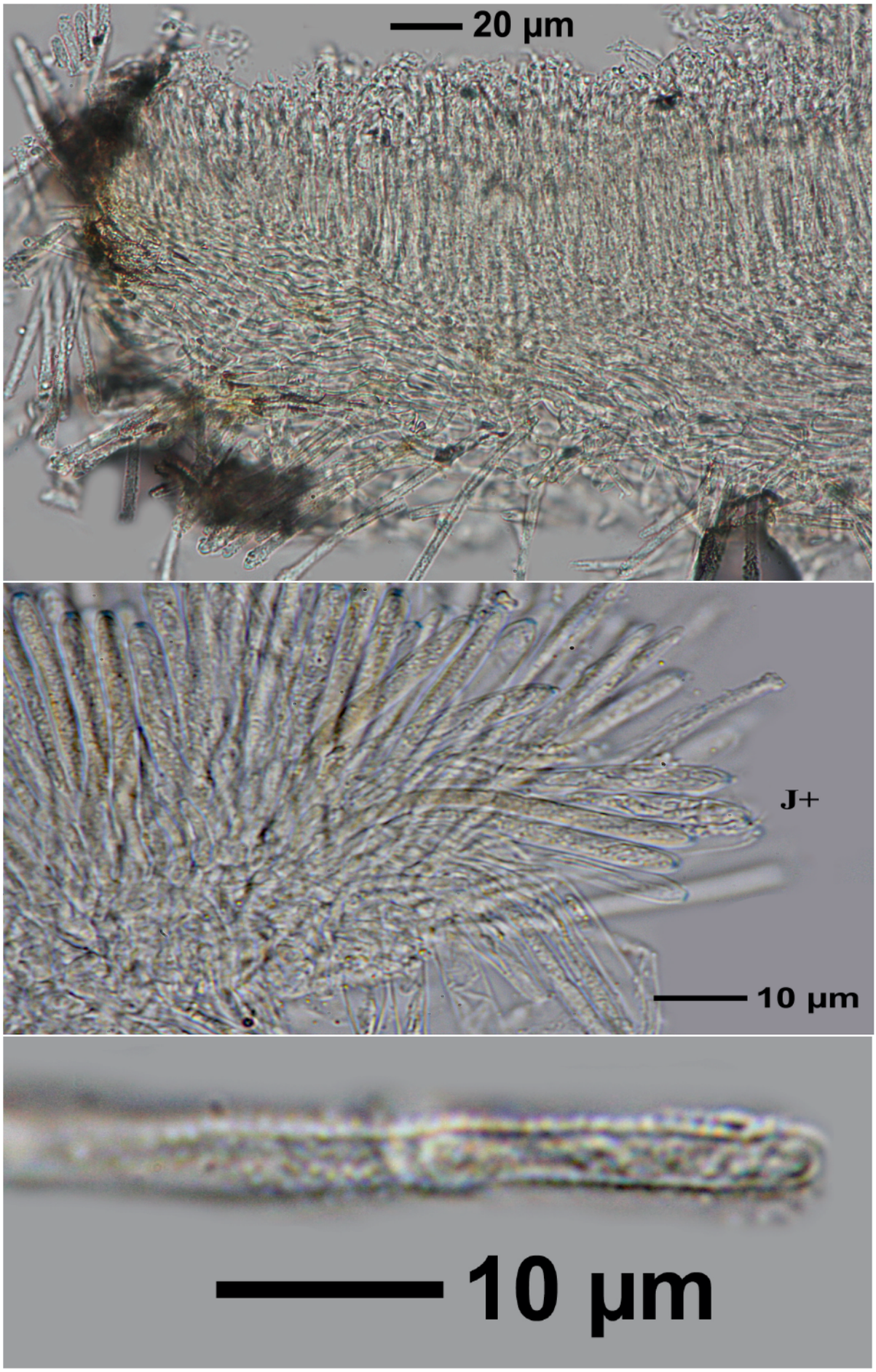
Lachnum virgineum (Batsch.) P.Karst.
[= ***Dasyscyphus virgineus*** (Batsch) S.F.Gray]

Sporen hyalin, 1-zellig, 8/Ascus. Asci an der Spitze J+ blau.

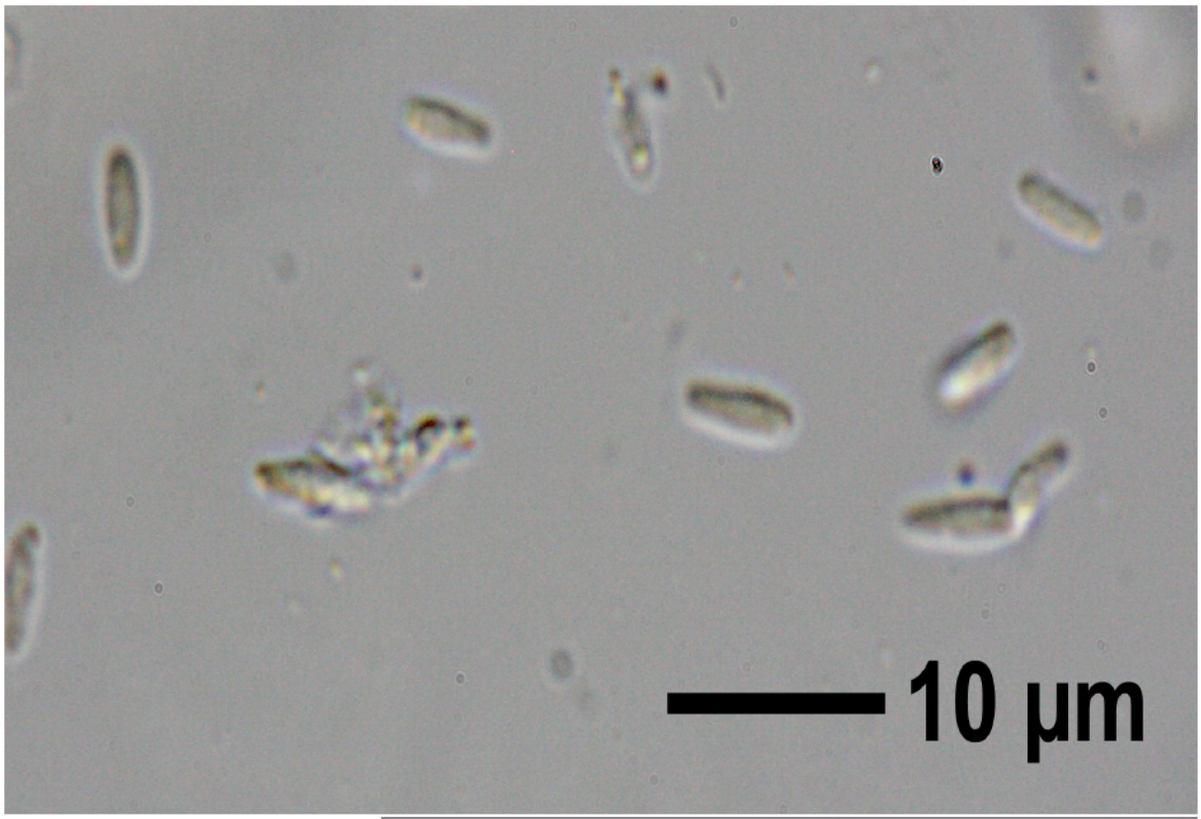
[ggf Herbar Baral], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, auf am Boden lief˙gendem morschen Ast um Laubwald (Faguy, Quercus, Acer) am S-Rand des Wäldchens „Reutgarten“ auf dem Weg zu den „Wangener Linden“. Leg. Schumm 05.10.2012, det. Schumm, teste Baral.

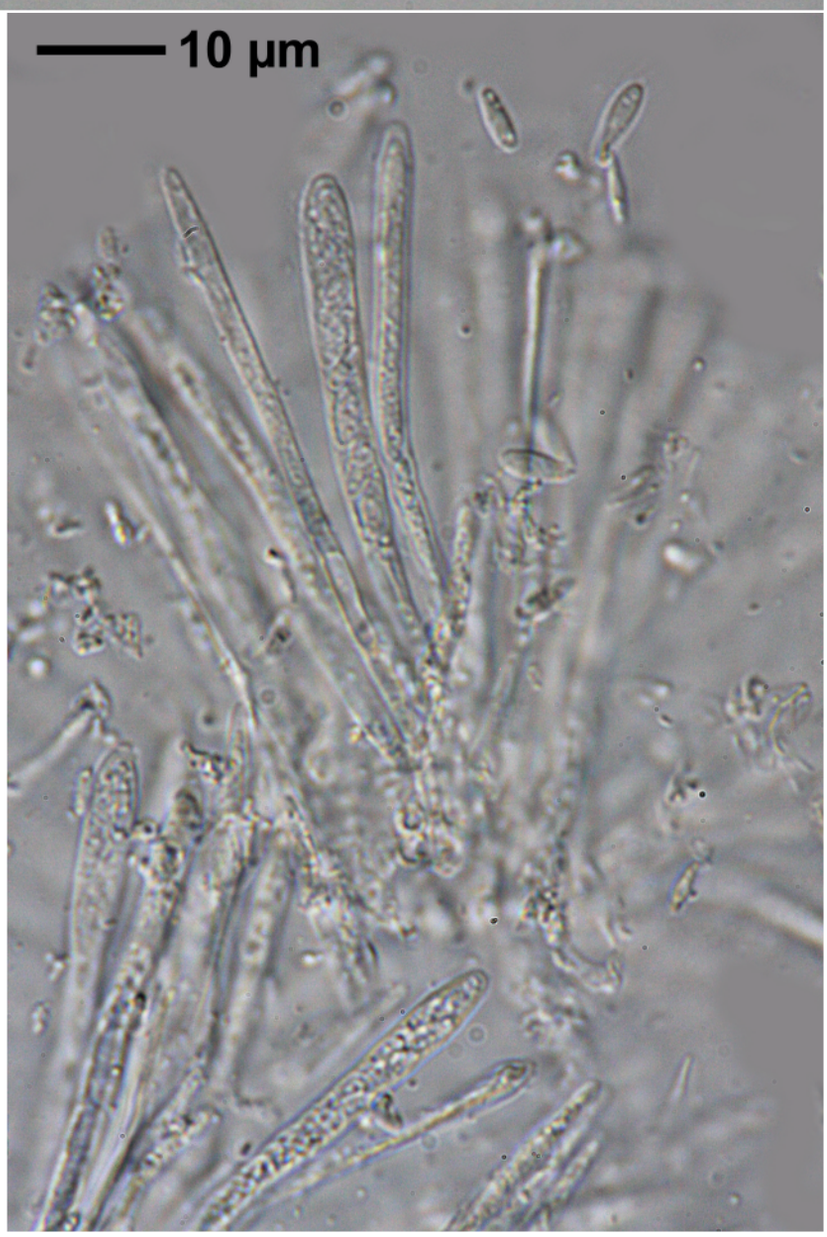






Lachnum virgineum





Lachnum virgineum

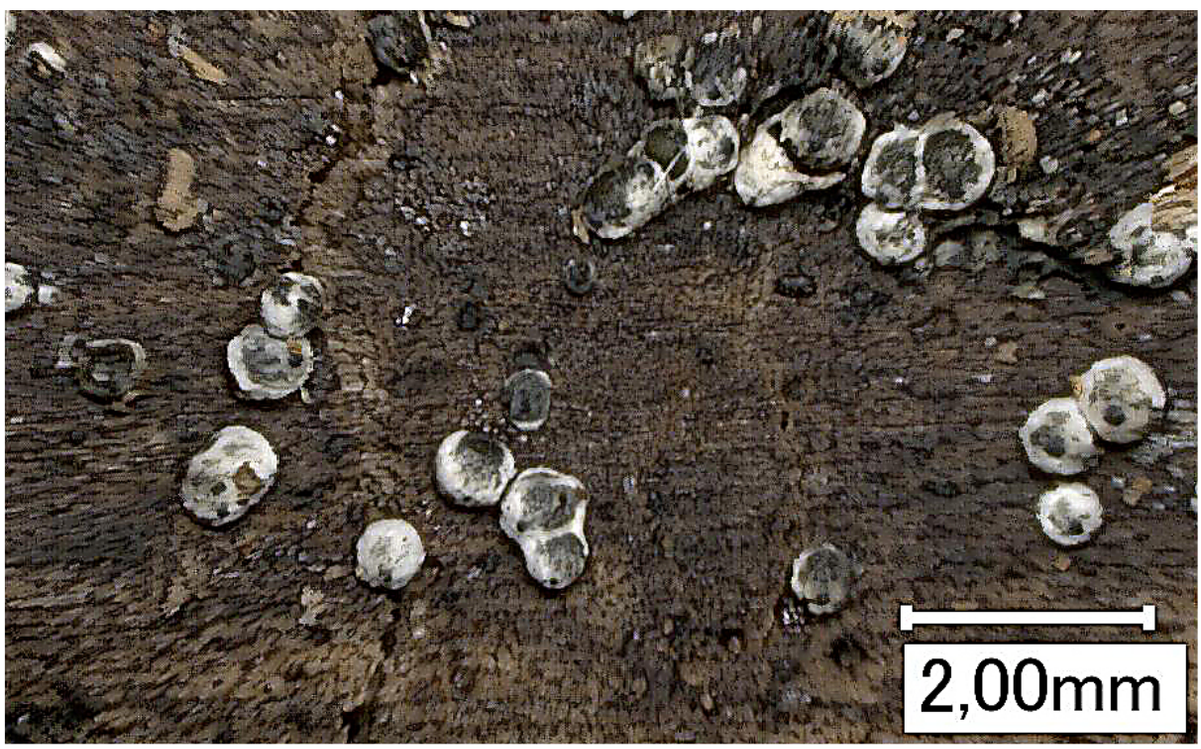
Kommentar H.O.Baral in mail am 07.10.2012

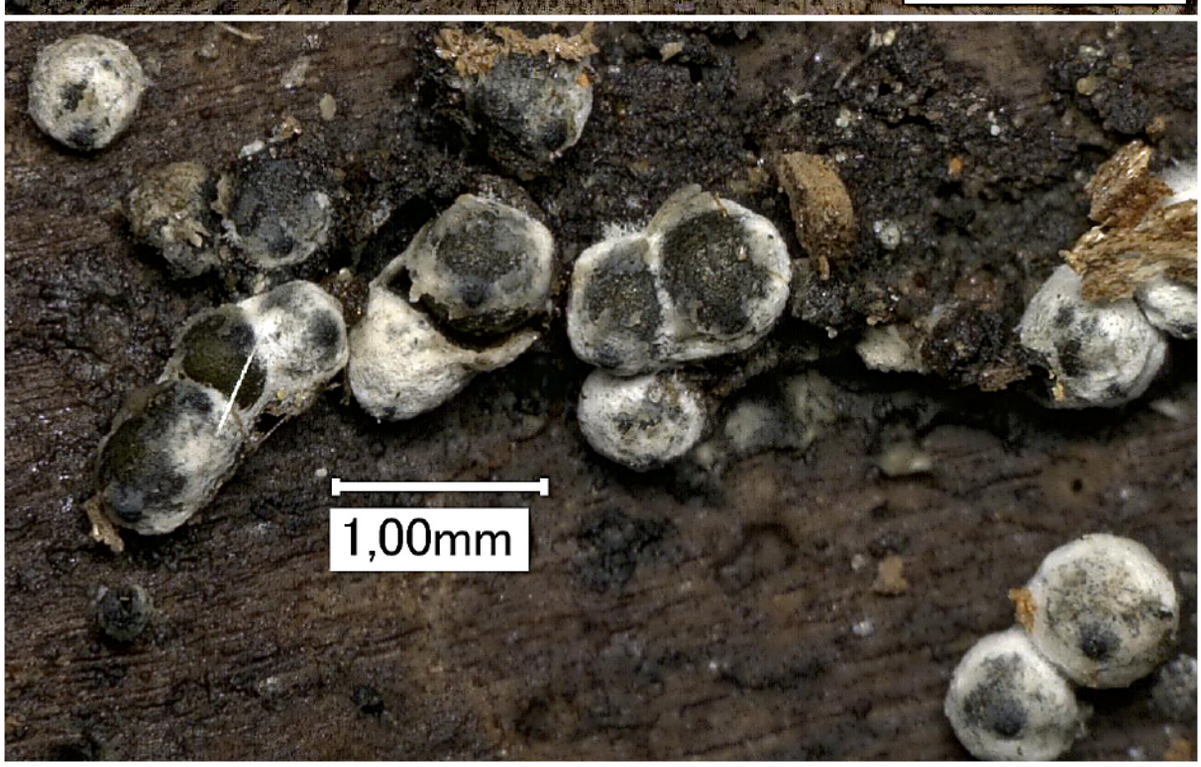
Der D. virgineus heißt jetzt Lachnum virgineum. Nicht unmöglich, wenn auch die Jahreszeit sehr ungewöhnlich wäre. Wenn die Haare apikal wirklich immer unverdickt sind, fällt mir gerade nichts anderes ein. Hätte sonst an meinen L. impudicum gedacht. Die Paraphysen sind immer so schmal? Würde gegen L. virgineum sprechen. Sehr wichtig sind auch hier die Haken an der Ascusbasis. Röten tut das Pilzchen nicht? Auch hier gilt: unbedingt vital mikroskopieren, Paraphysen und Haare müssen vital sein, wegen Inhalten.

Lasiosphaeria ovina (Fr.) Ces. & De Not.

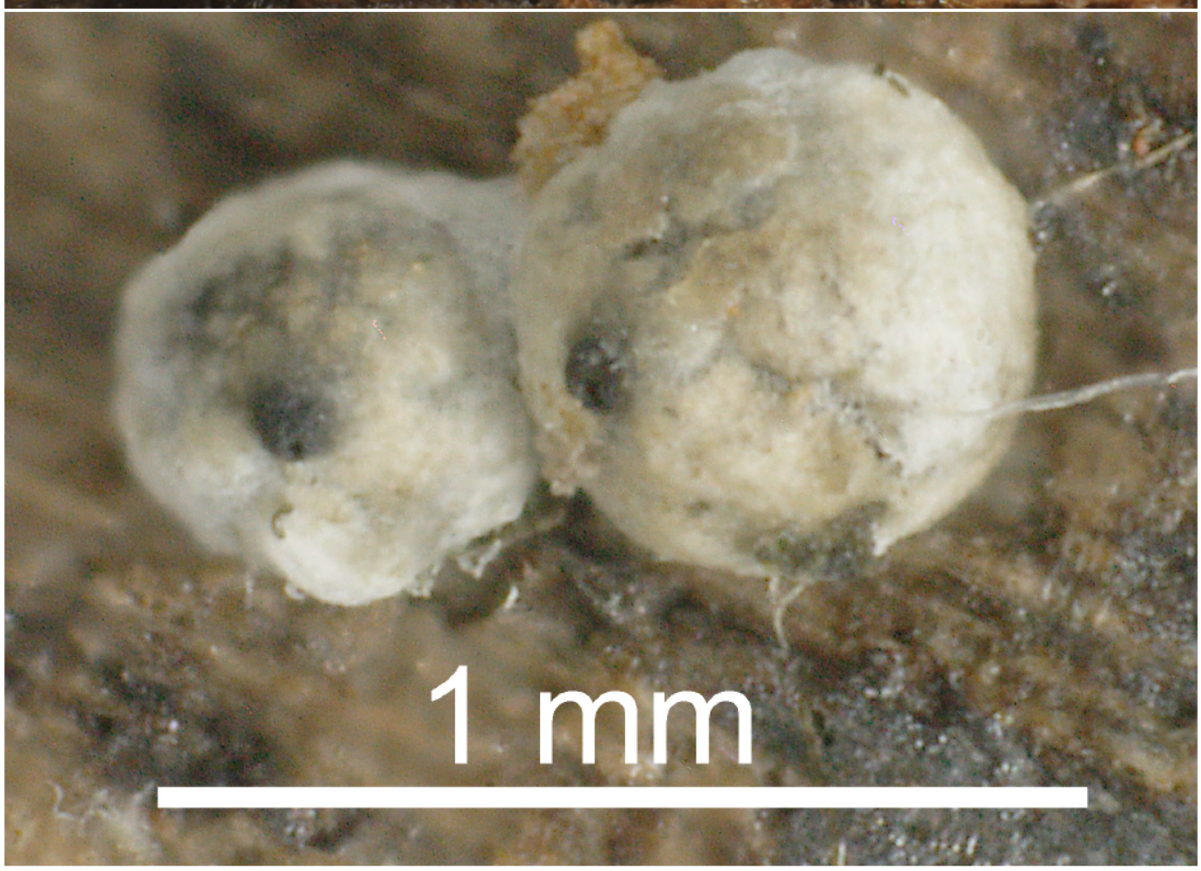
Excipulum grobmaschig, paraplectenchymatisch. Asci (auch apical) J-. Sporen hyalin, 1-zellig, ca. 30 x 4 µm. Lit. Breitenbach & Kränzlin I, 267.

[18516], Germany, Baden-Württemberg, Kreis Göppingen, westlich von Geislingen und nördlich von Bad Überkingen, am Südrand des Michelberges, Buchen-Eichen-Wald, 48.61148° N, 9.79537° E, 668 m. Auf der Unterseite eines auf dem Waldboden liegenden morschen Fagus-Astes. Leg. et det. Schumm 16.09.2012.

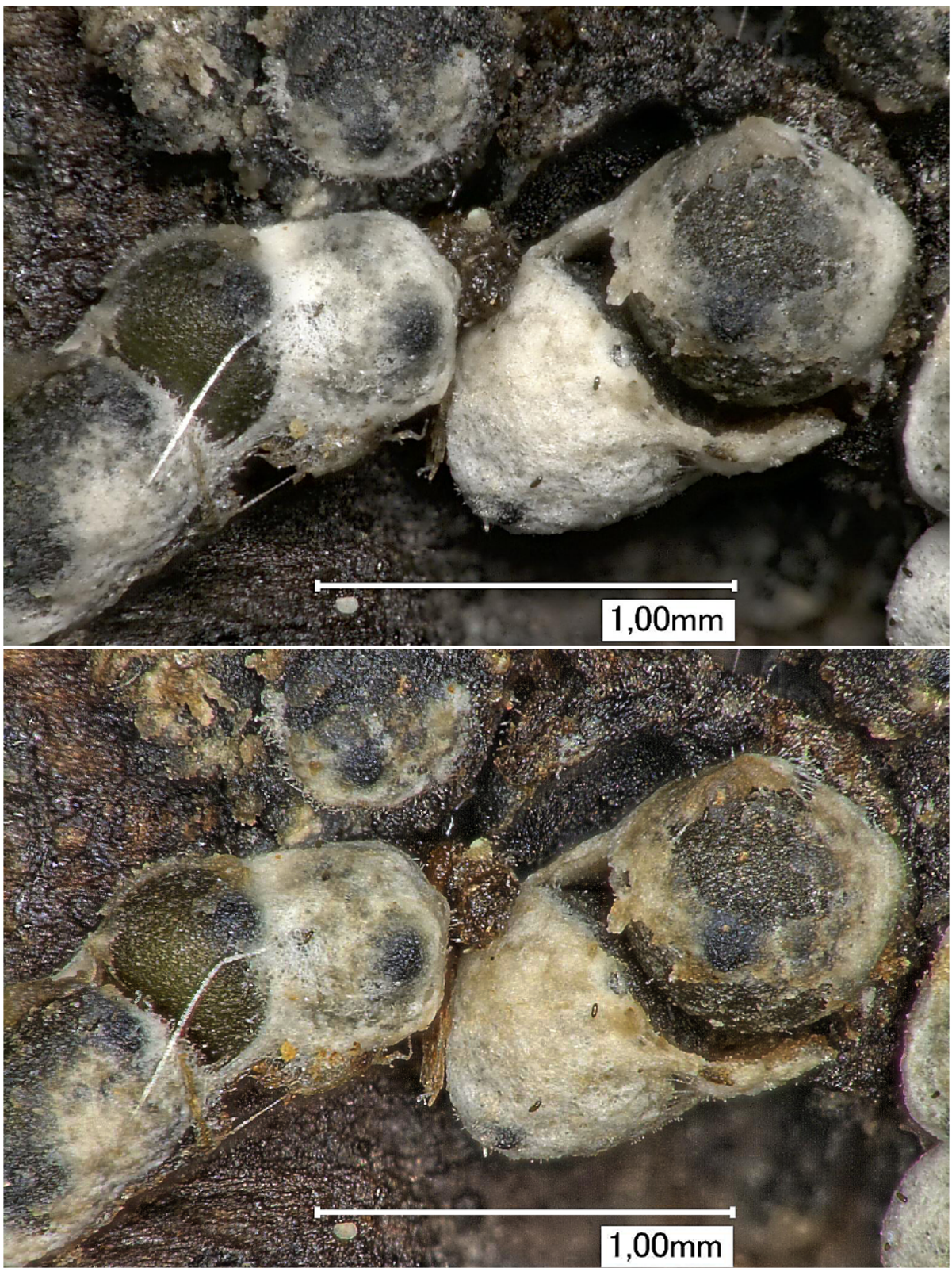




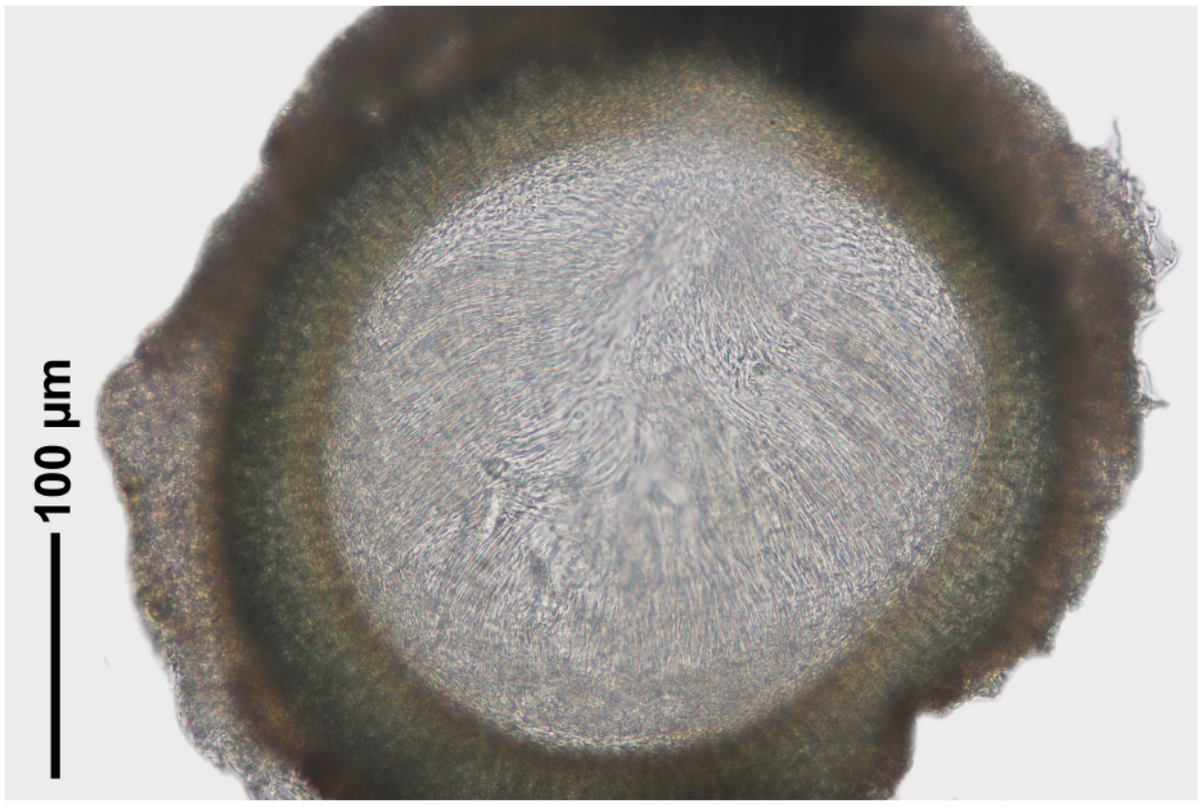


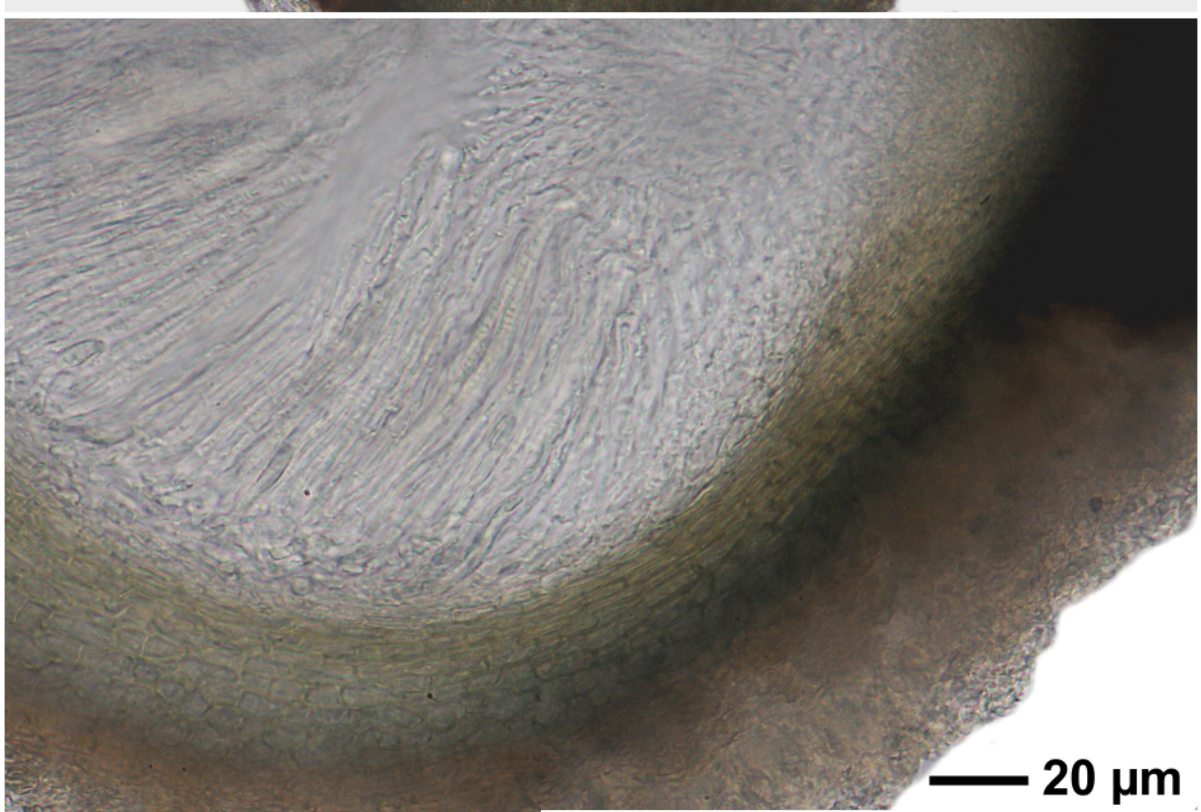


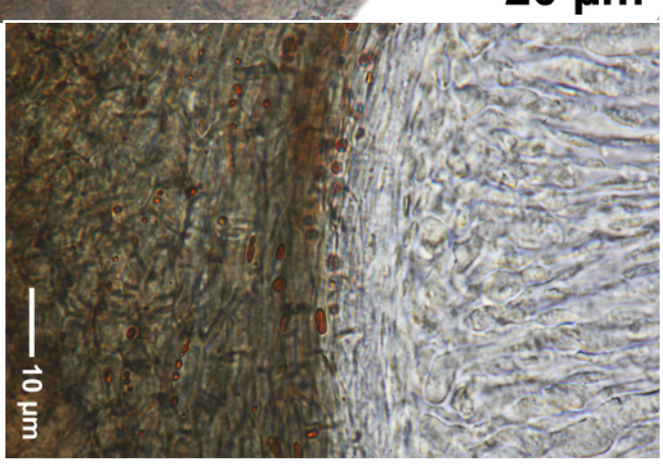
Lasiosphaeria ovina



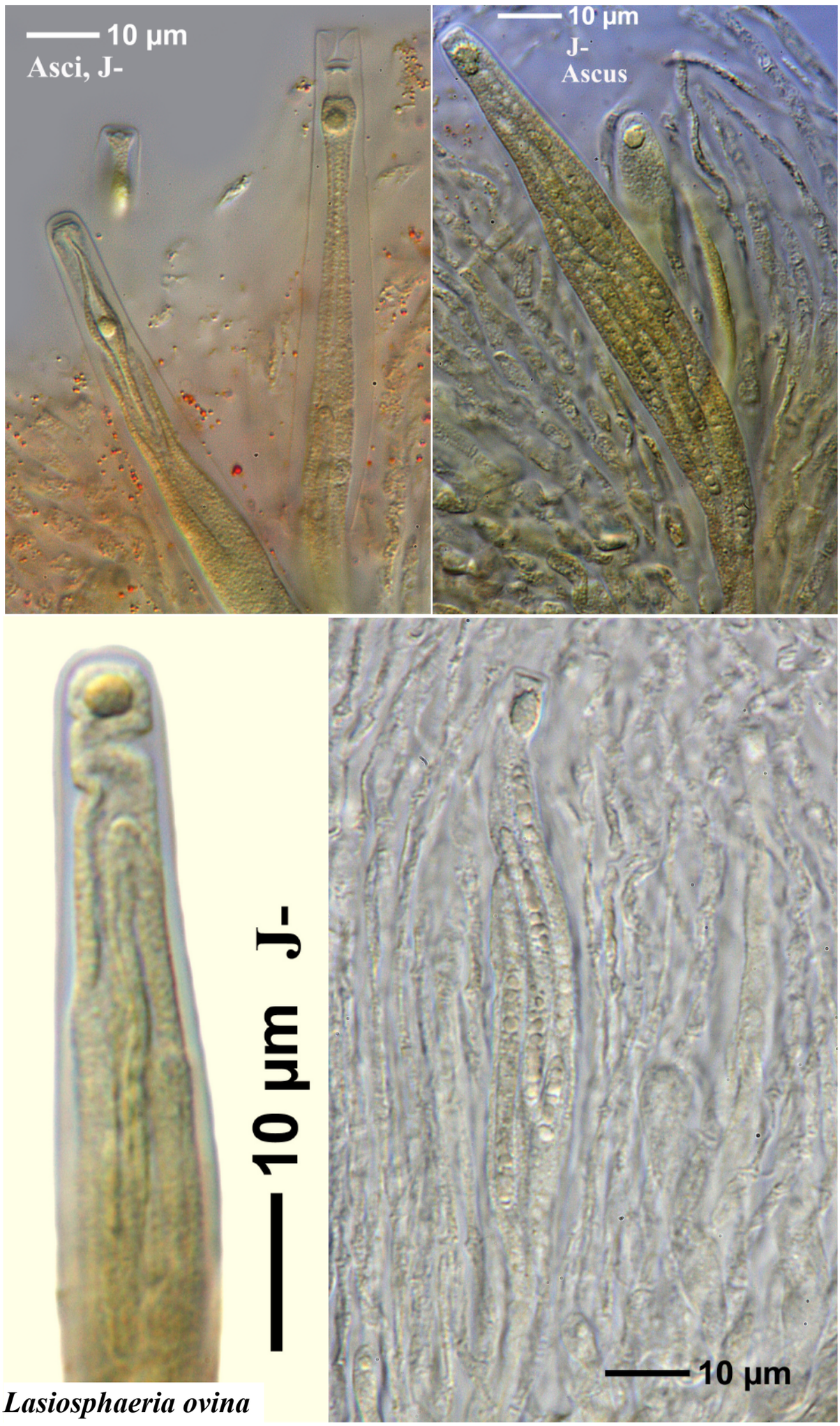
Lasiosphaeria ovina



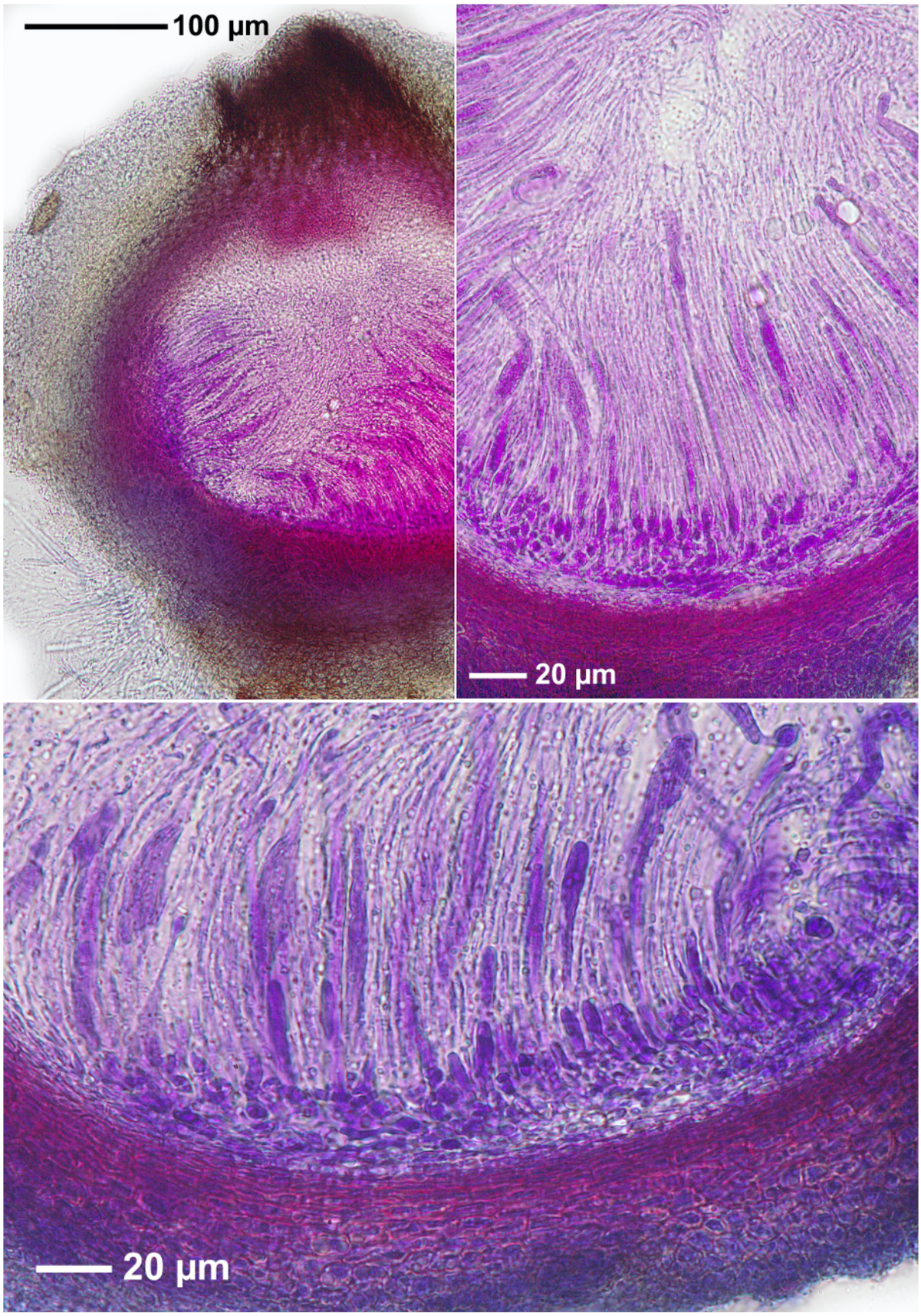




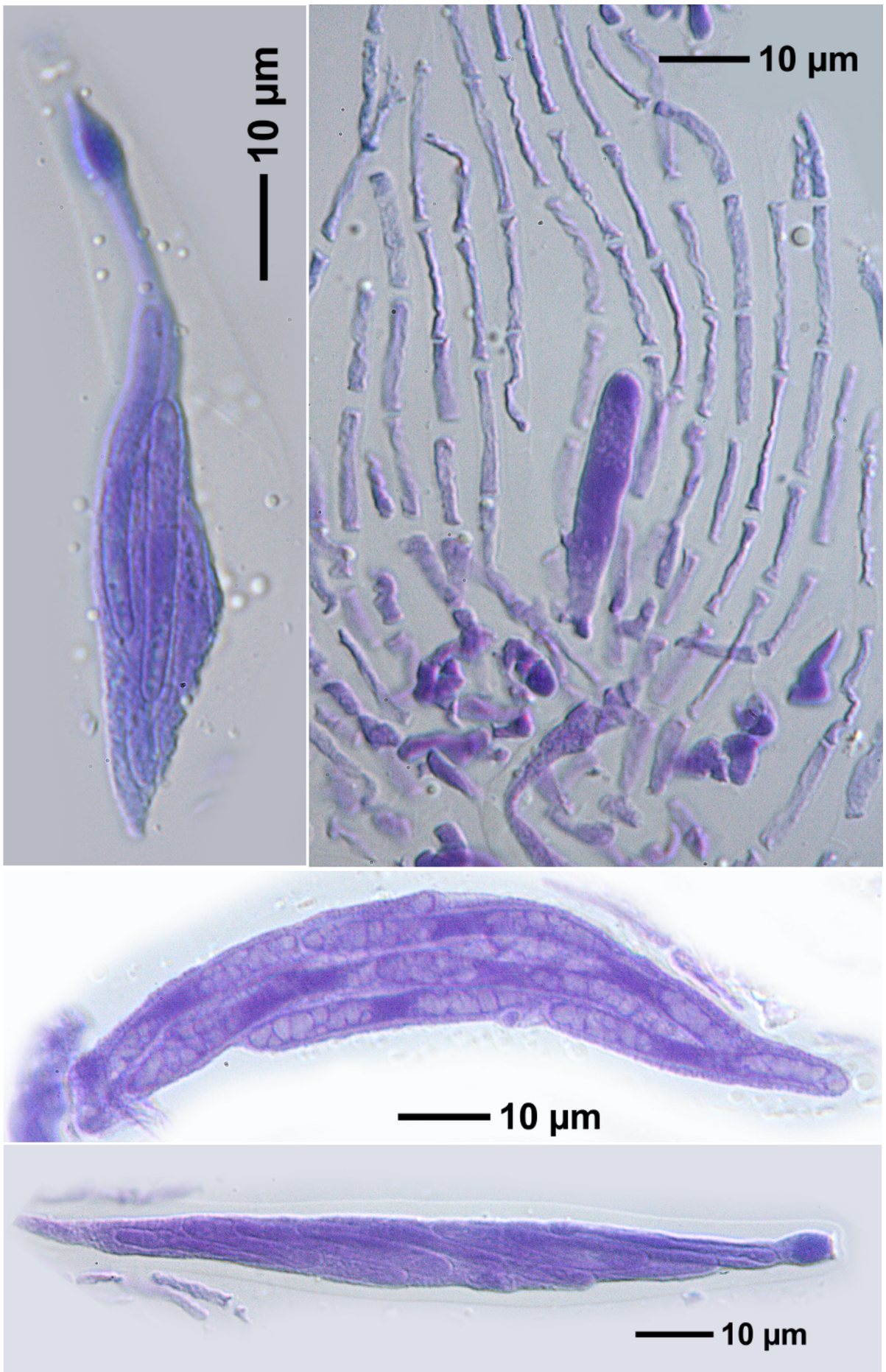
Lasiosphaeria ovina



Lasiosphaeria ovina



Lasiosphaeria ovina



Lasiosphaeria ovina

Lasiosphaeria ovina (Fr.) Ces. & De Not.

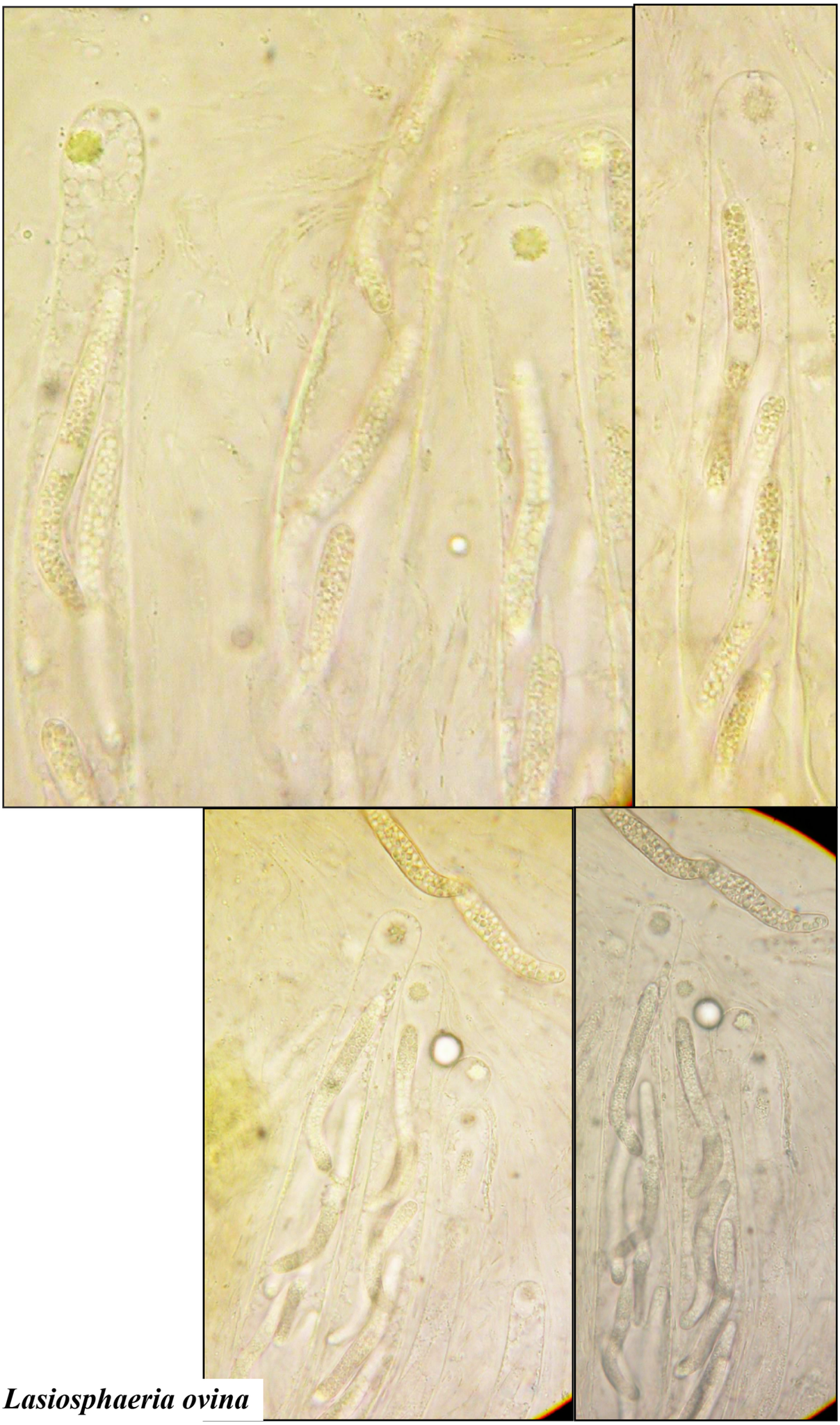
Bilder von Hans Otto Baral.



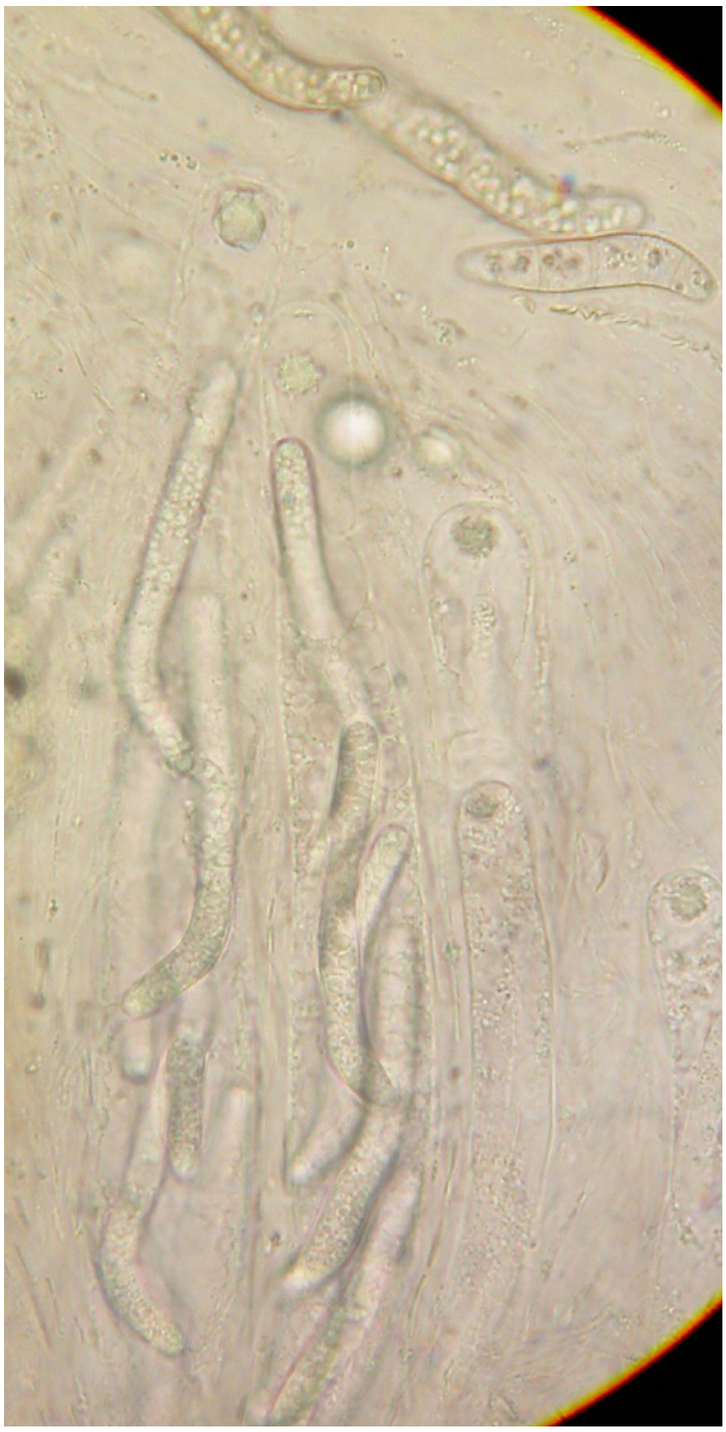




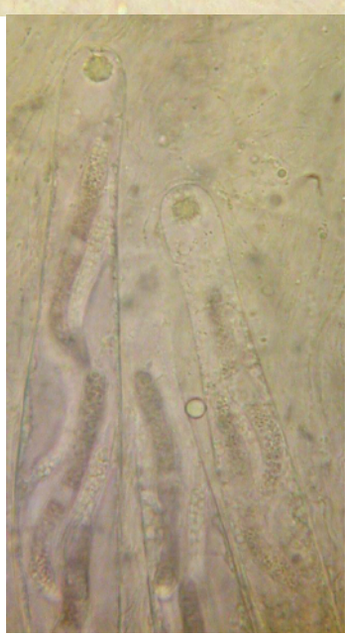
Lasiosphaeria ovina



Lasiosphaeria ovina



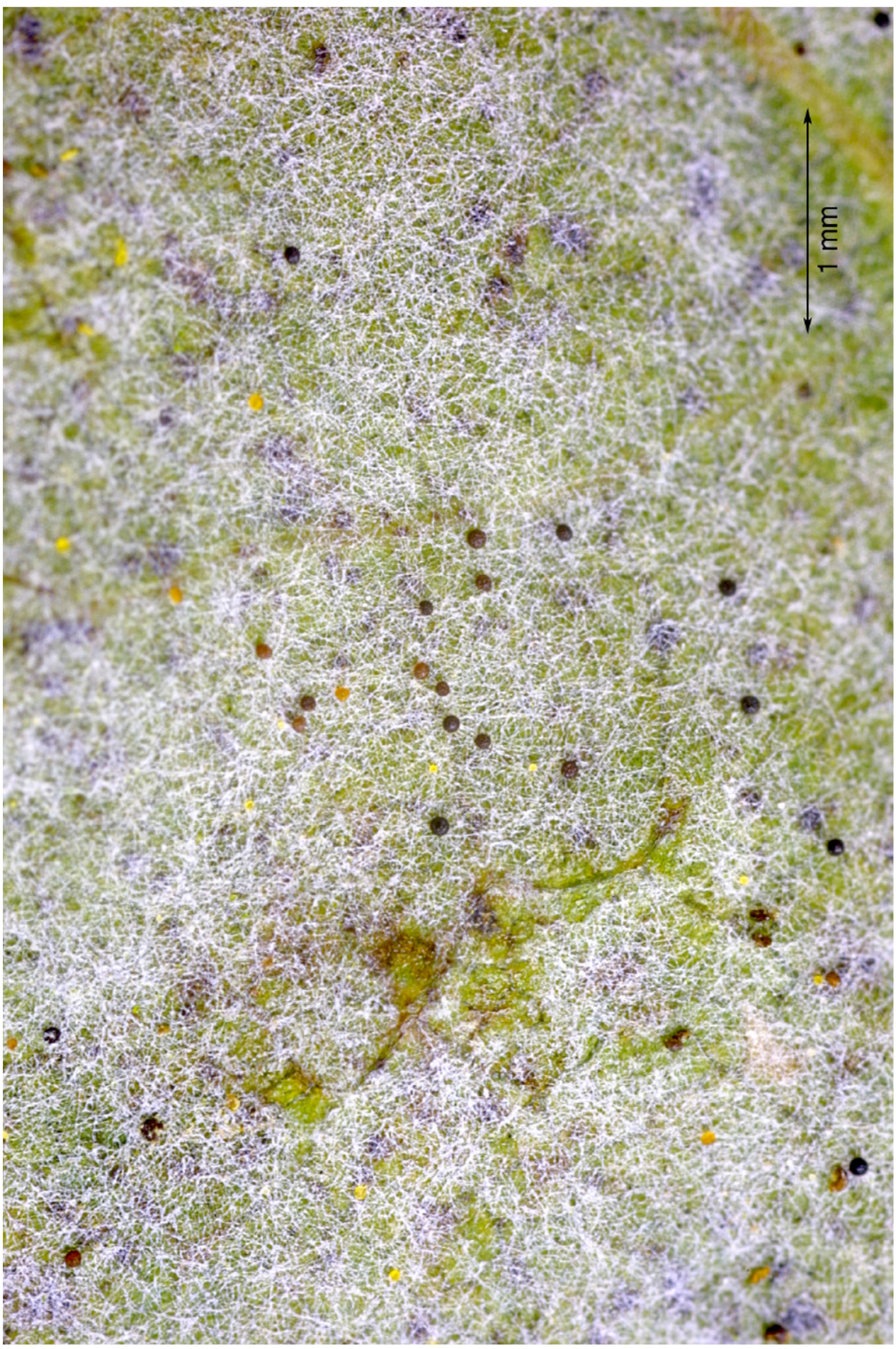


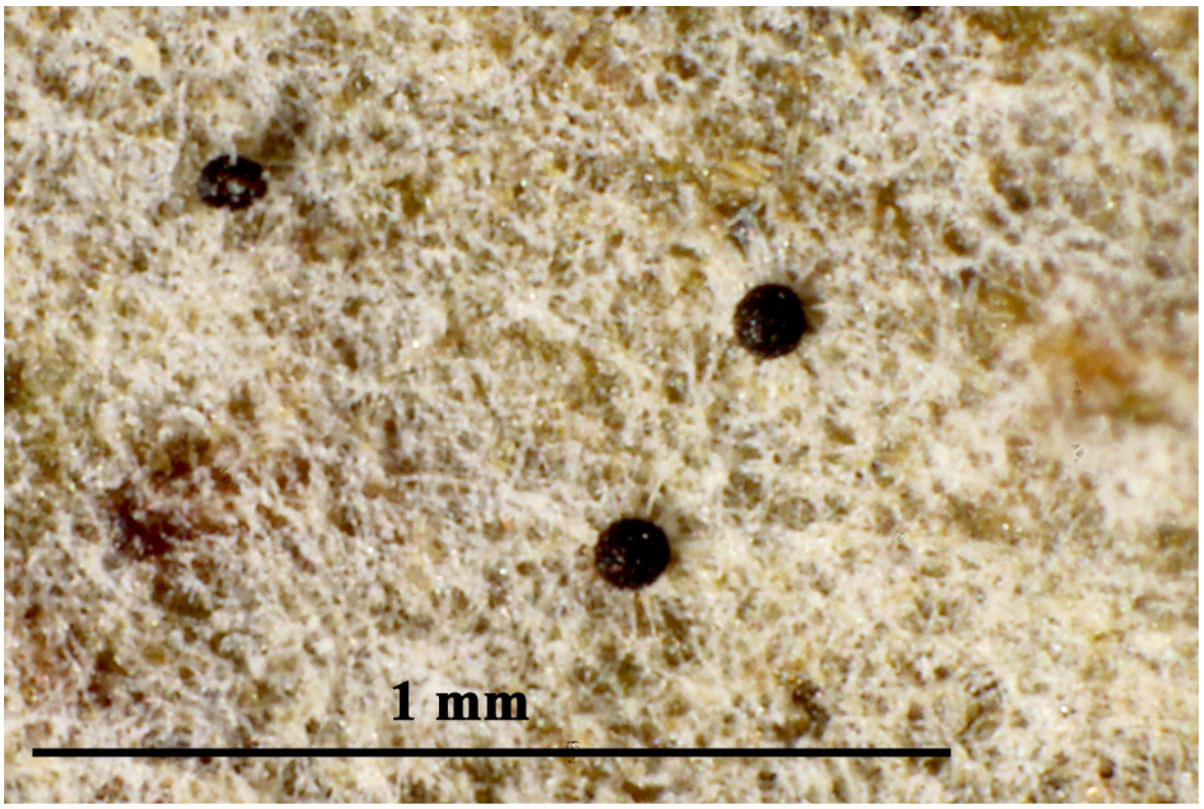


Lasiosphaeria ovina

Microsphaera alphitoides Griffon & Maublanc

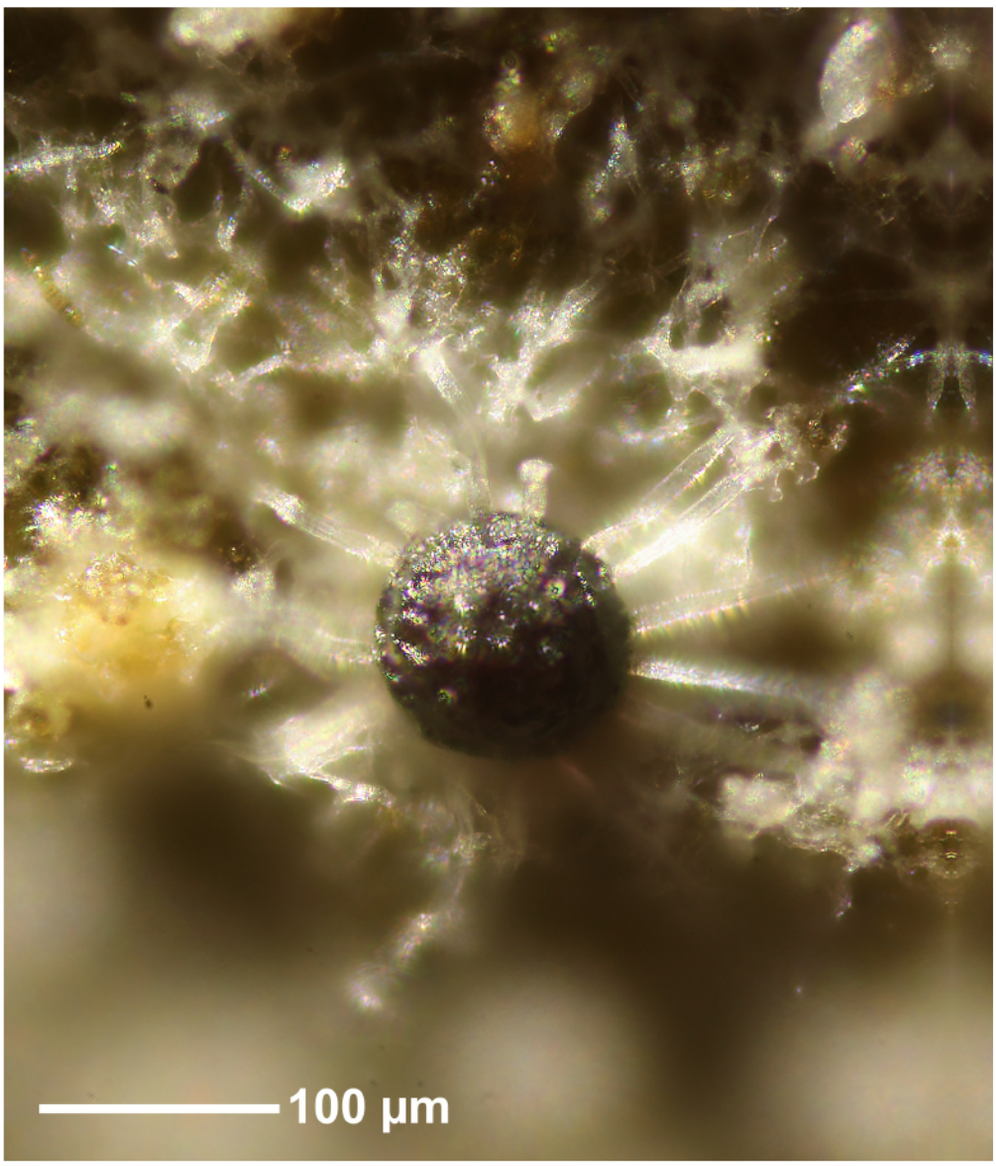
[12654], GERMANY: Baden-Württemberg, Kreis Sigmaringen, 4 km nördlich von Irndorf im Irndorfer Hardt, an Quercus, TK: 7919. Leg. F. Schumm 20.09.2006.

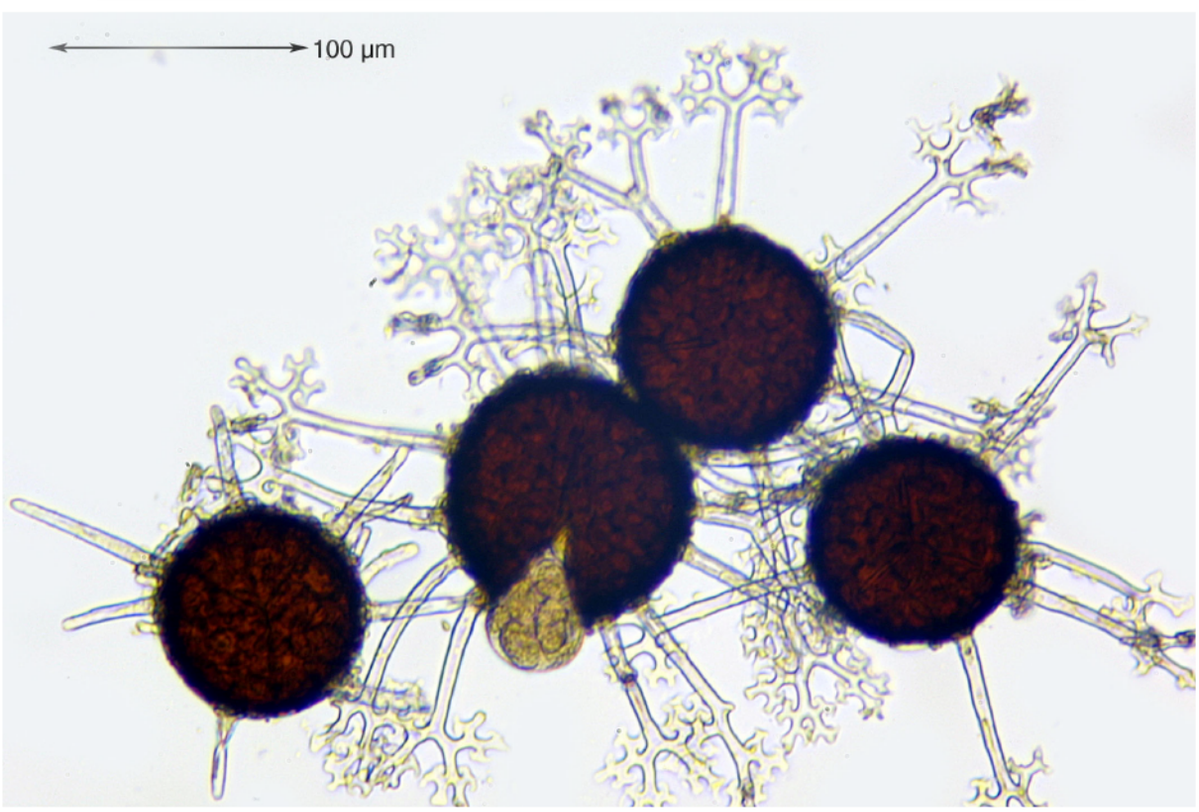






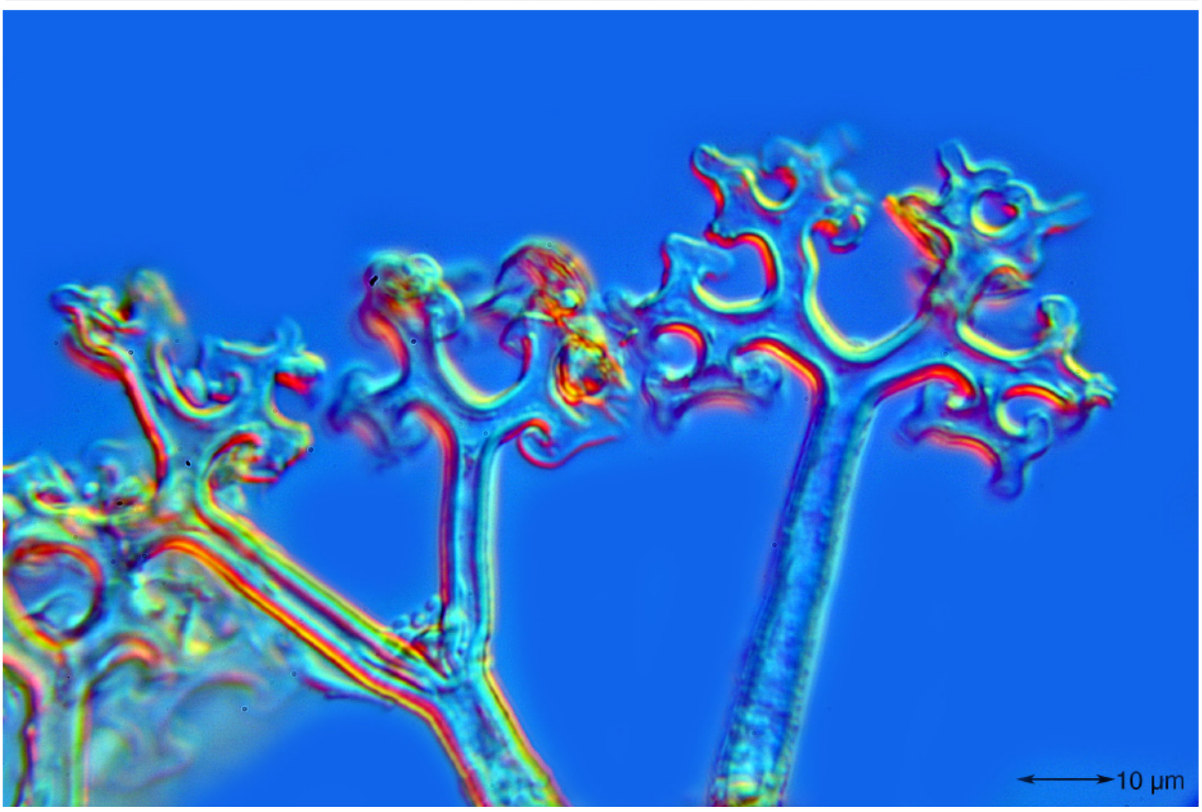
Microsphaera alphitoides





Microsphaera alphitoides





Microsphaera alphitoides

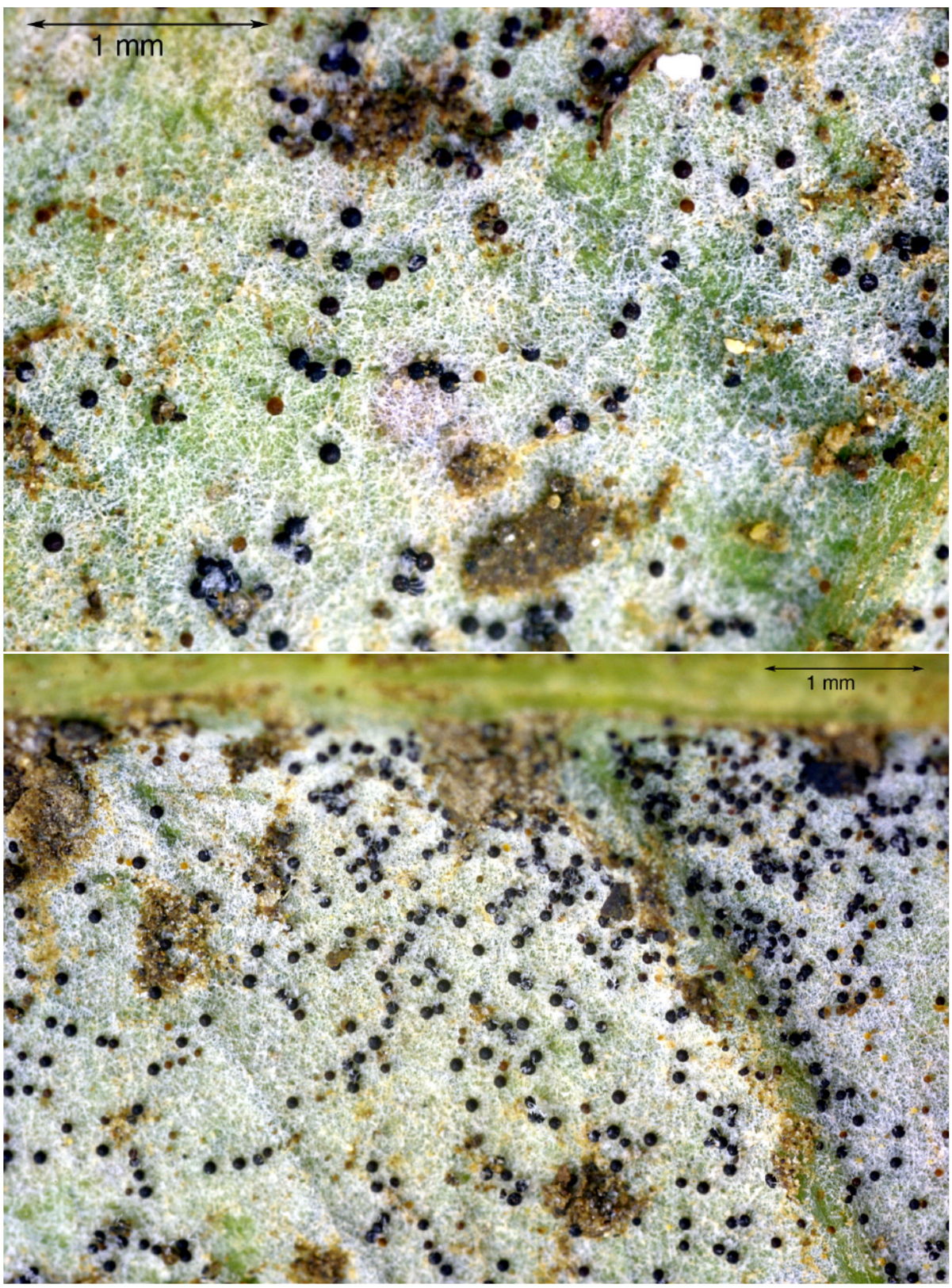


Microsphaera alphitoides

Microsphaera hypophylla Nevodovskij em. Roll-Hansen

Sporen 25 x 11 µm

[12758], Germany, Baden-Württemberg, Kreis Göppingen, Donzdorf, am Albrand im Buchenwald bei der Messelbergsteige, ca. 740 m, auf Quercus, TK 7324/2. Leg. Schumm 01.11.2006, det. Schumm 01.11.2006.

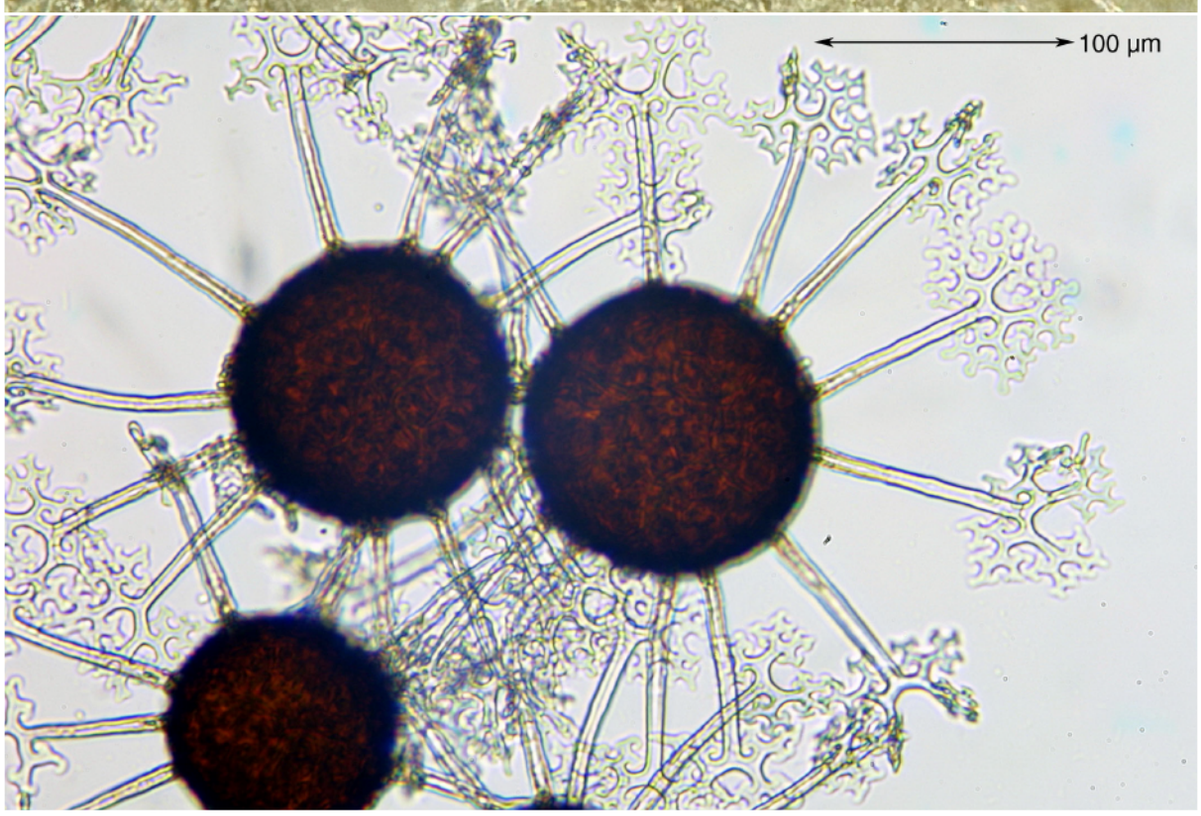




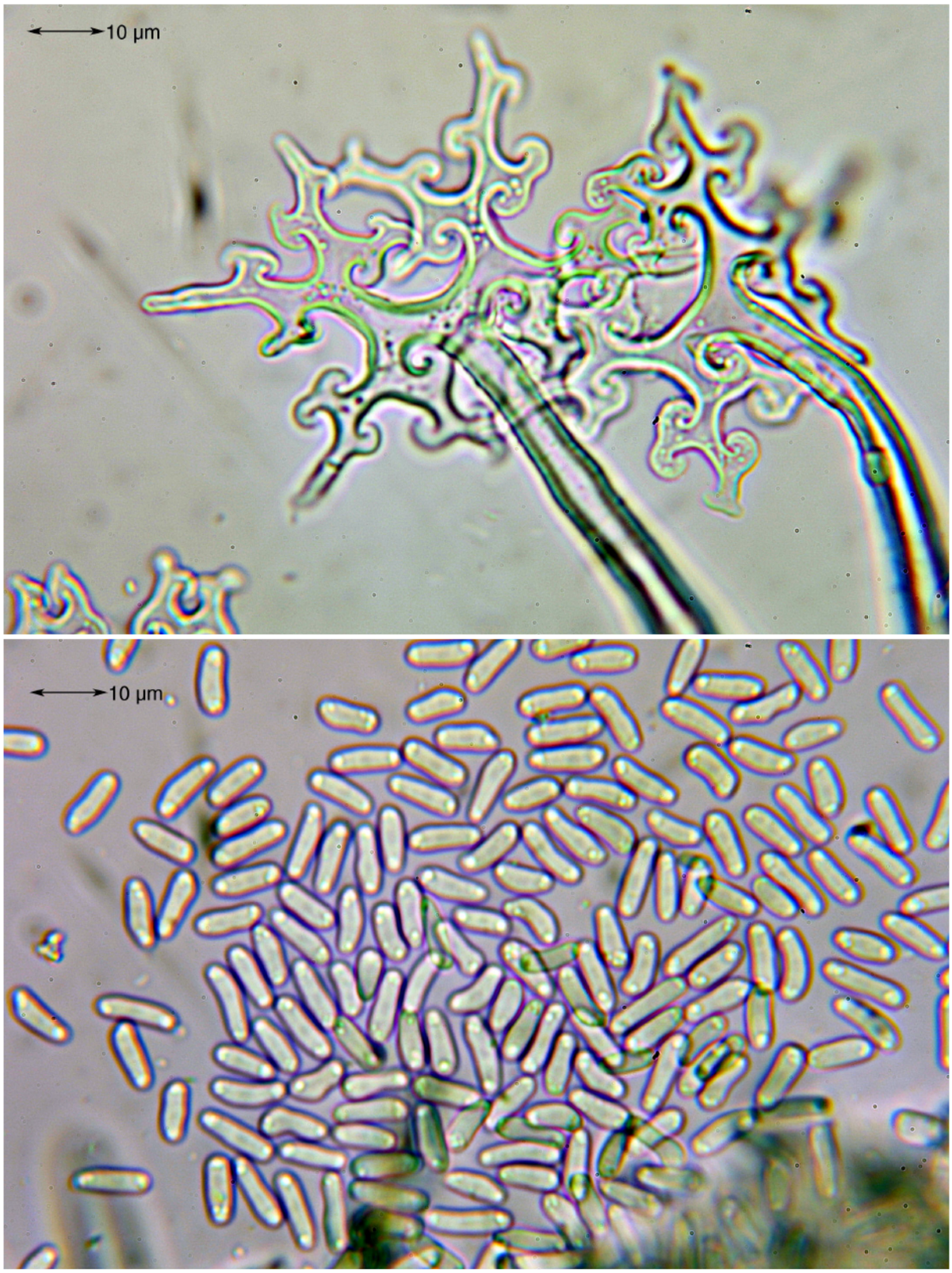


Microsphaera hypophylla

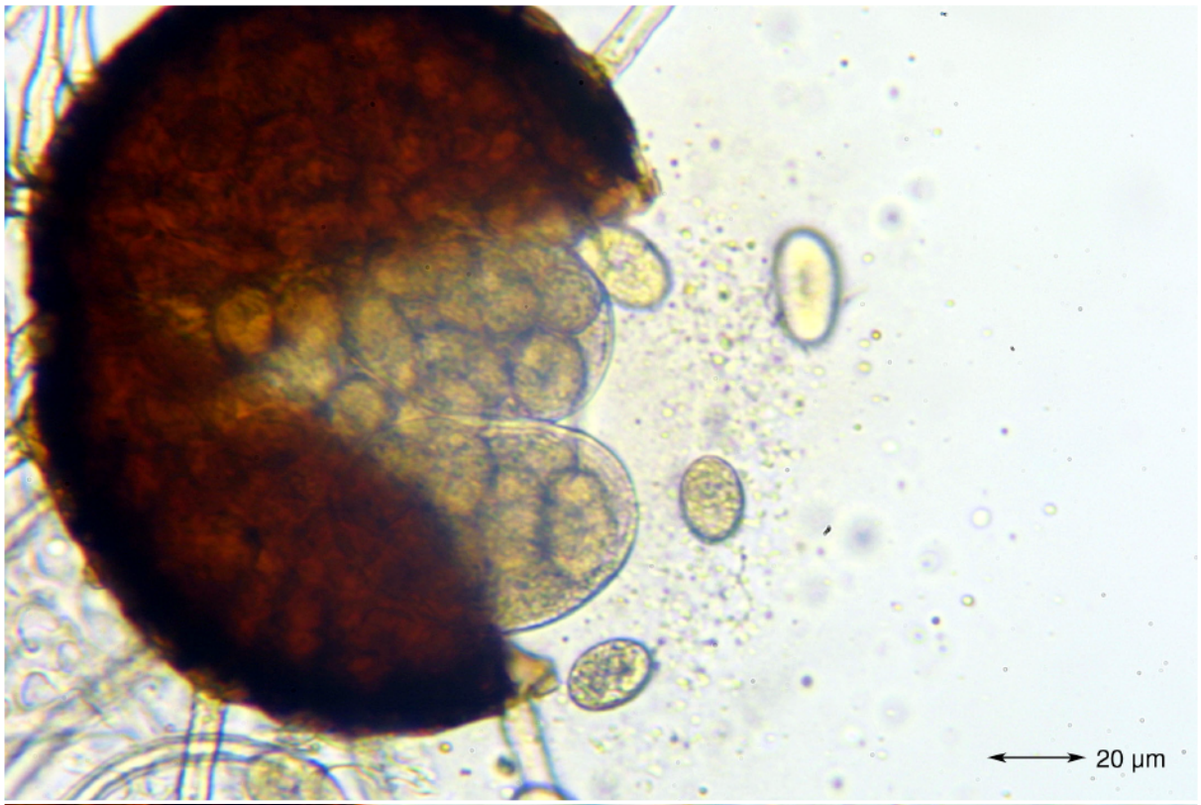


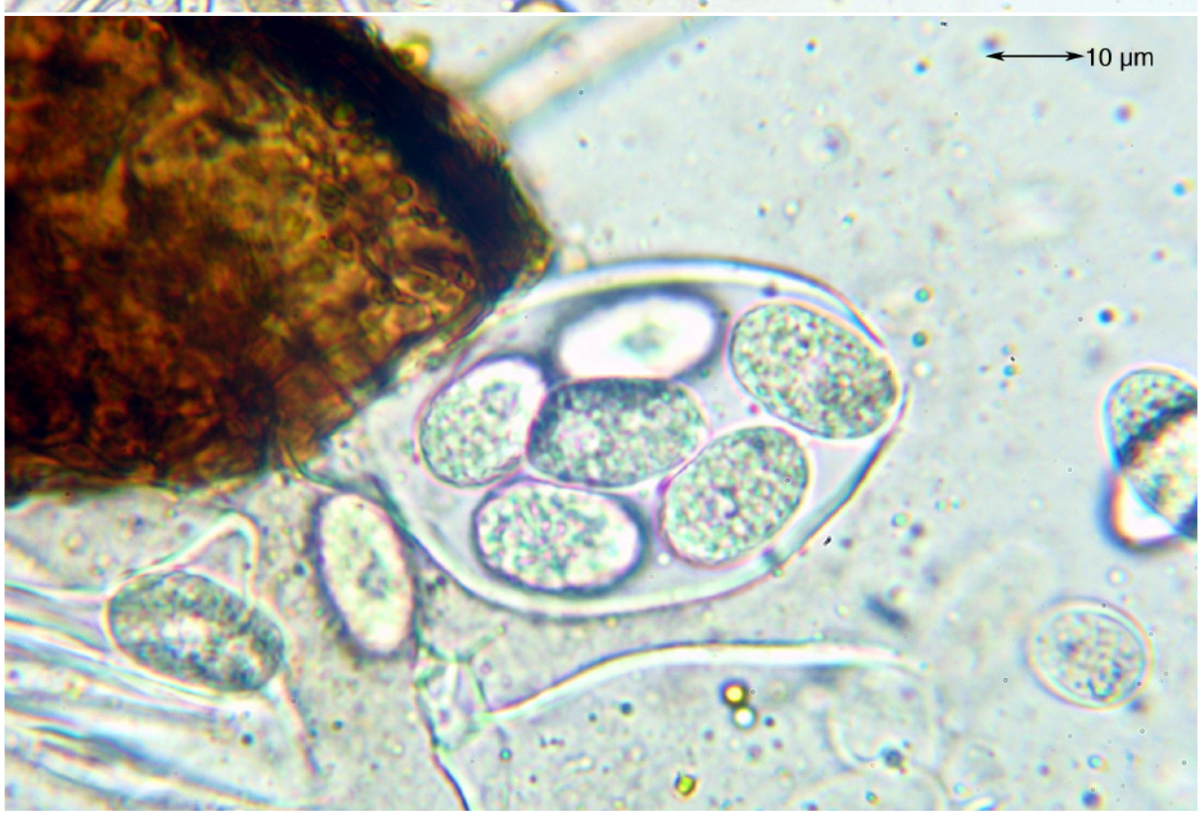


Microsphaera hypophylla



Microsphaera hypophylla



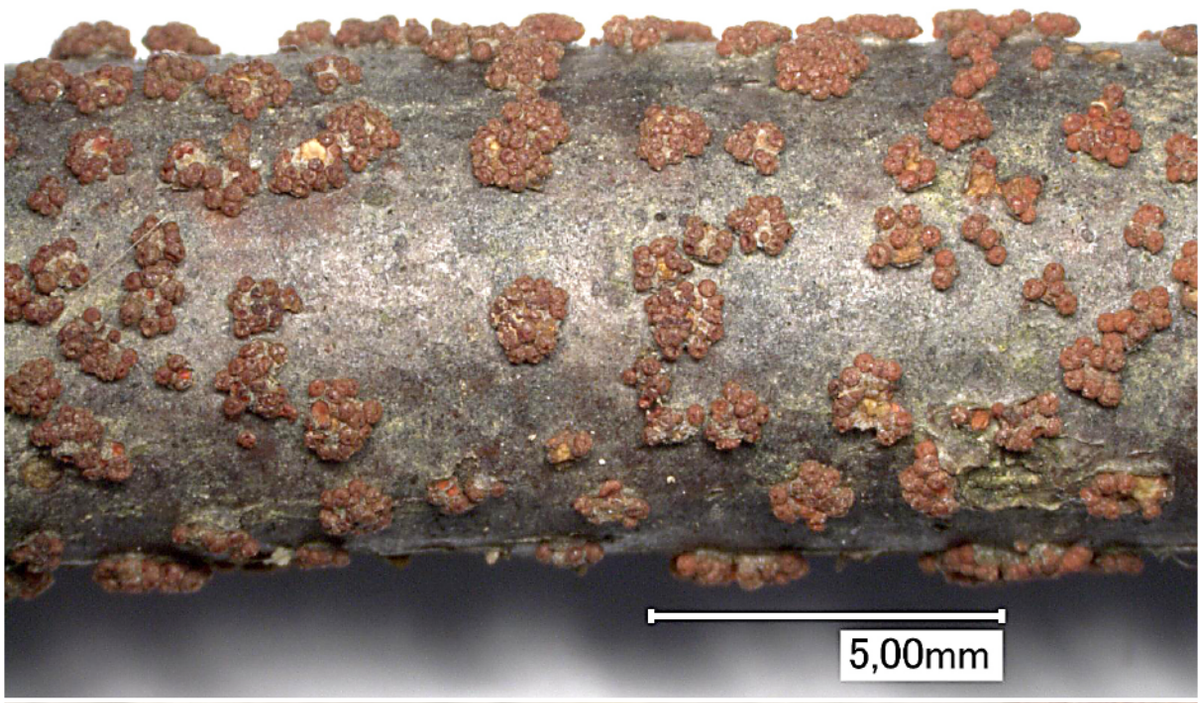


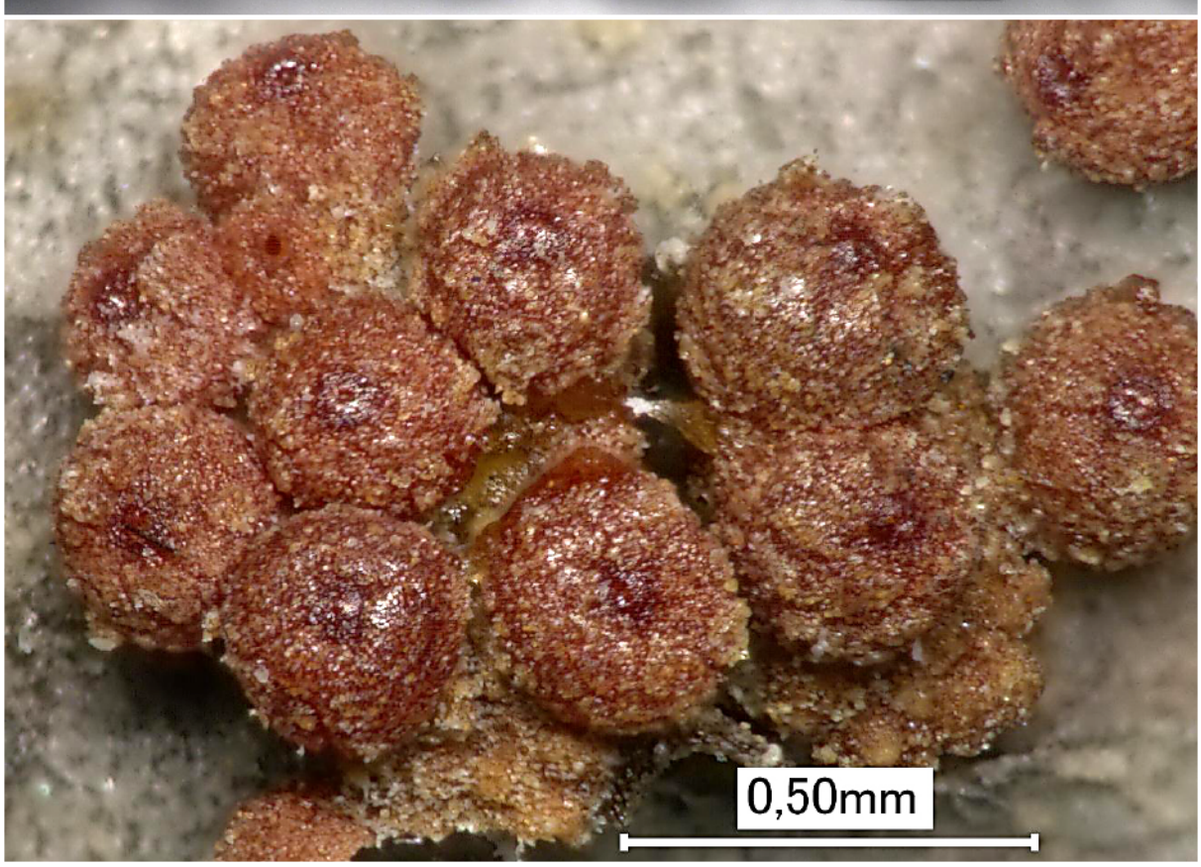
Microsphaera hypophylla

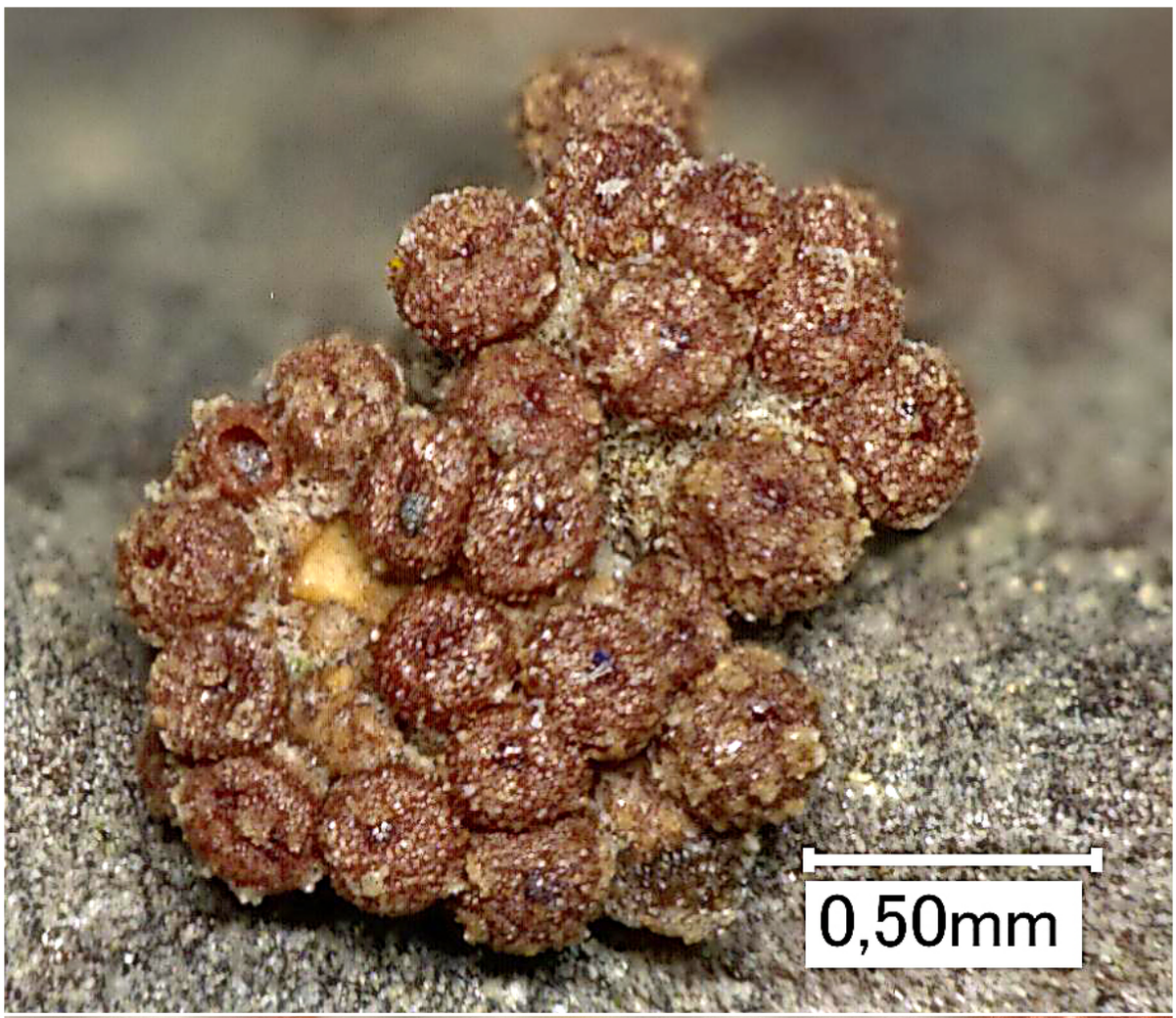
Nectria cinnabarina (Tode ex Fr.) Fr.

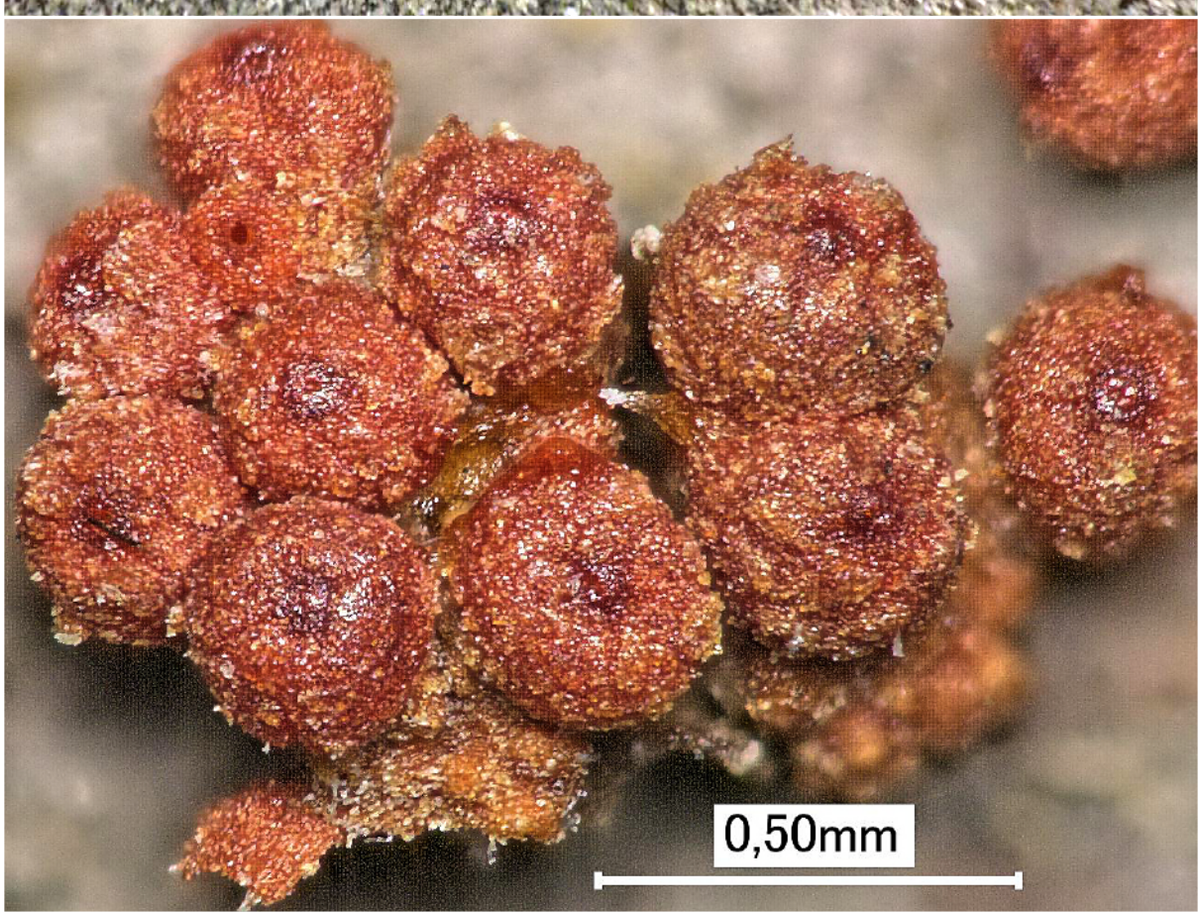
Perithecien und Konidienlager auf einem Subiculum. Sporen hyalin, 2-zellig, 8/Ascus, ca. 14 x 6 µm. Asci ohne erkennbare J+ Apicalstrukturen.

[18579], Germany, Baden-Württemberg, Kreis Göppingen, östlich von Wangen im Wald Reichenhart, 48.43564° N, 9.37508° E, 380 m, an Fagus. Leg. et det. Schumm 25.09.2012.

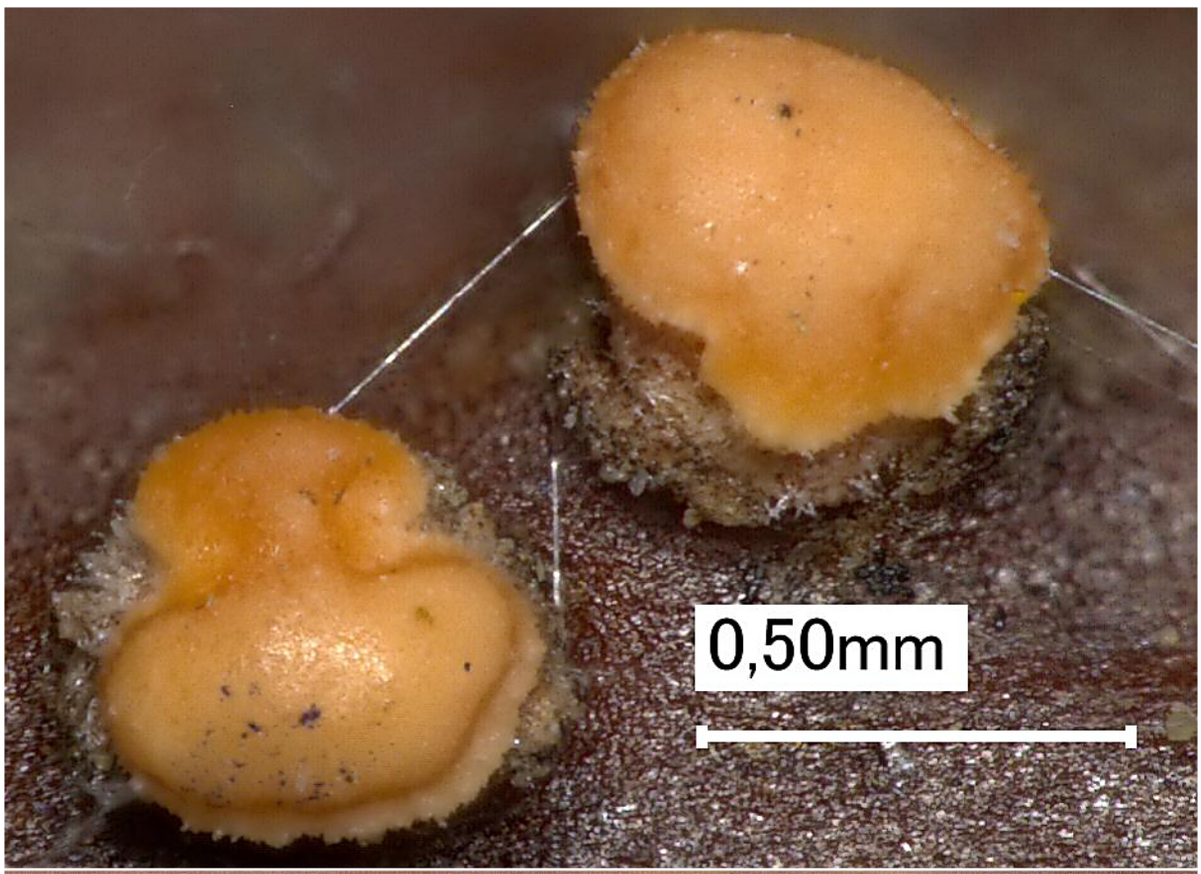


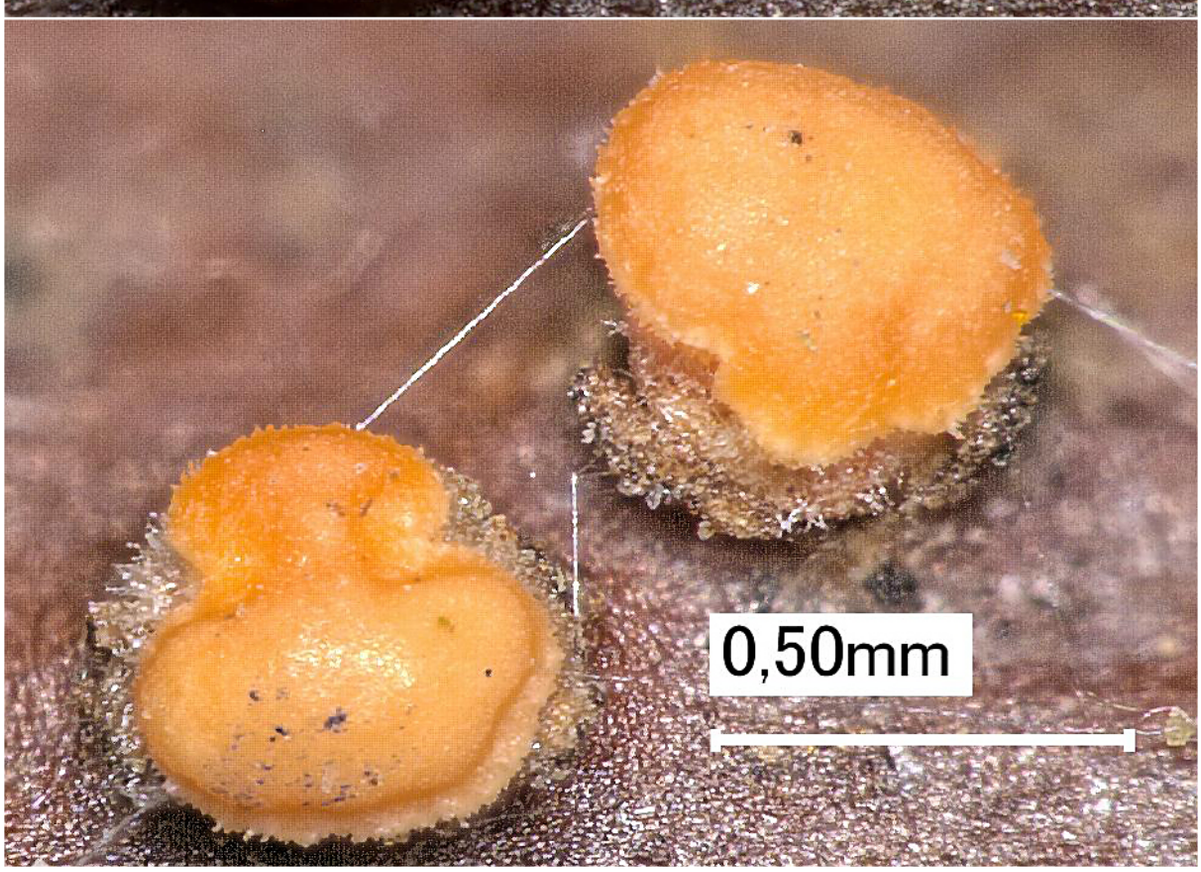




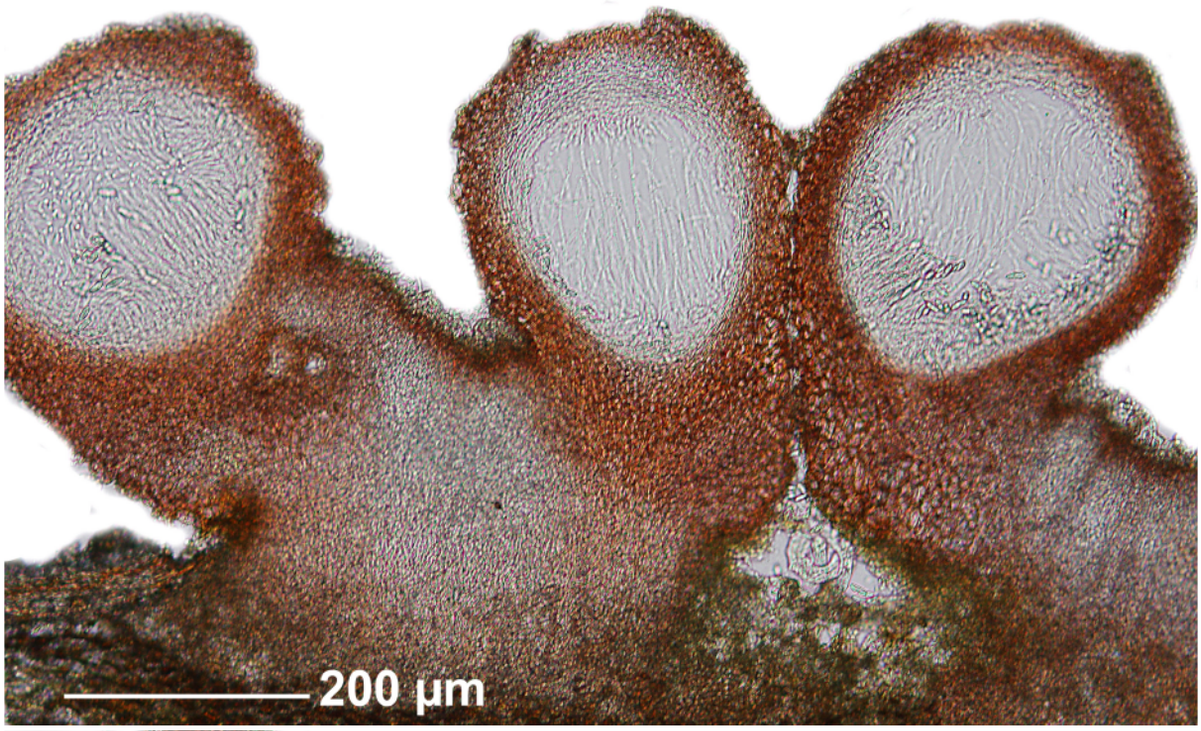


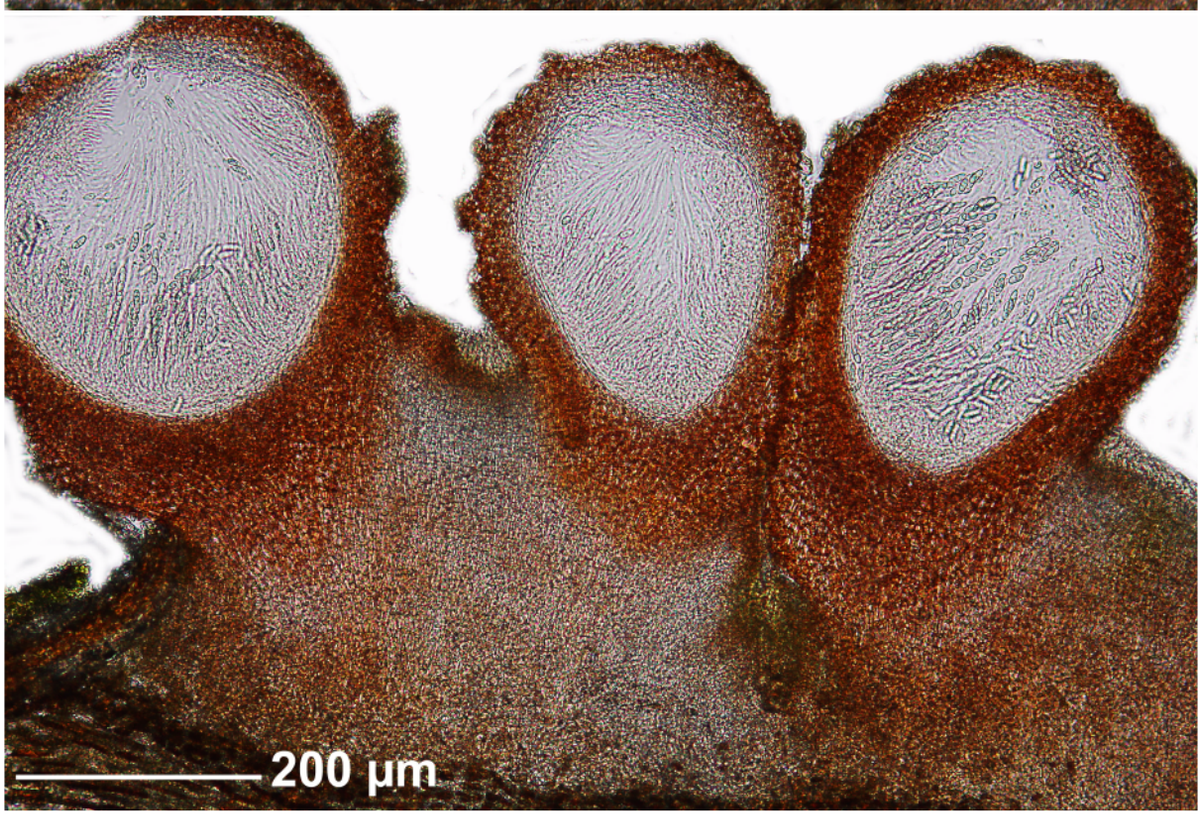
Nectria cinnabarina



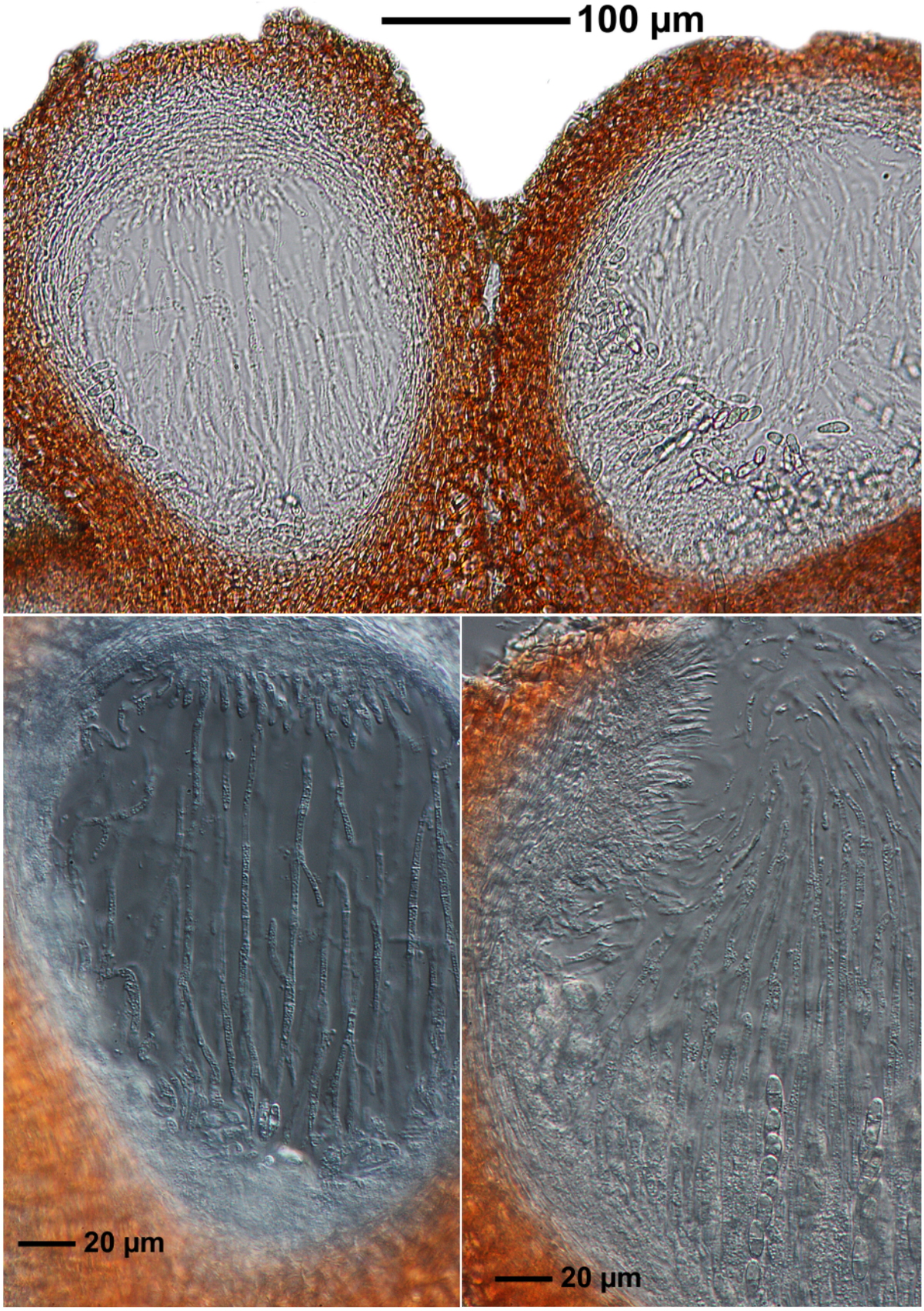


Nectria cinnabarina

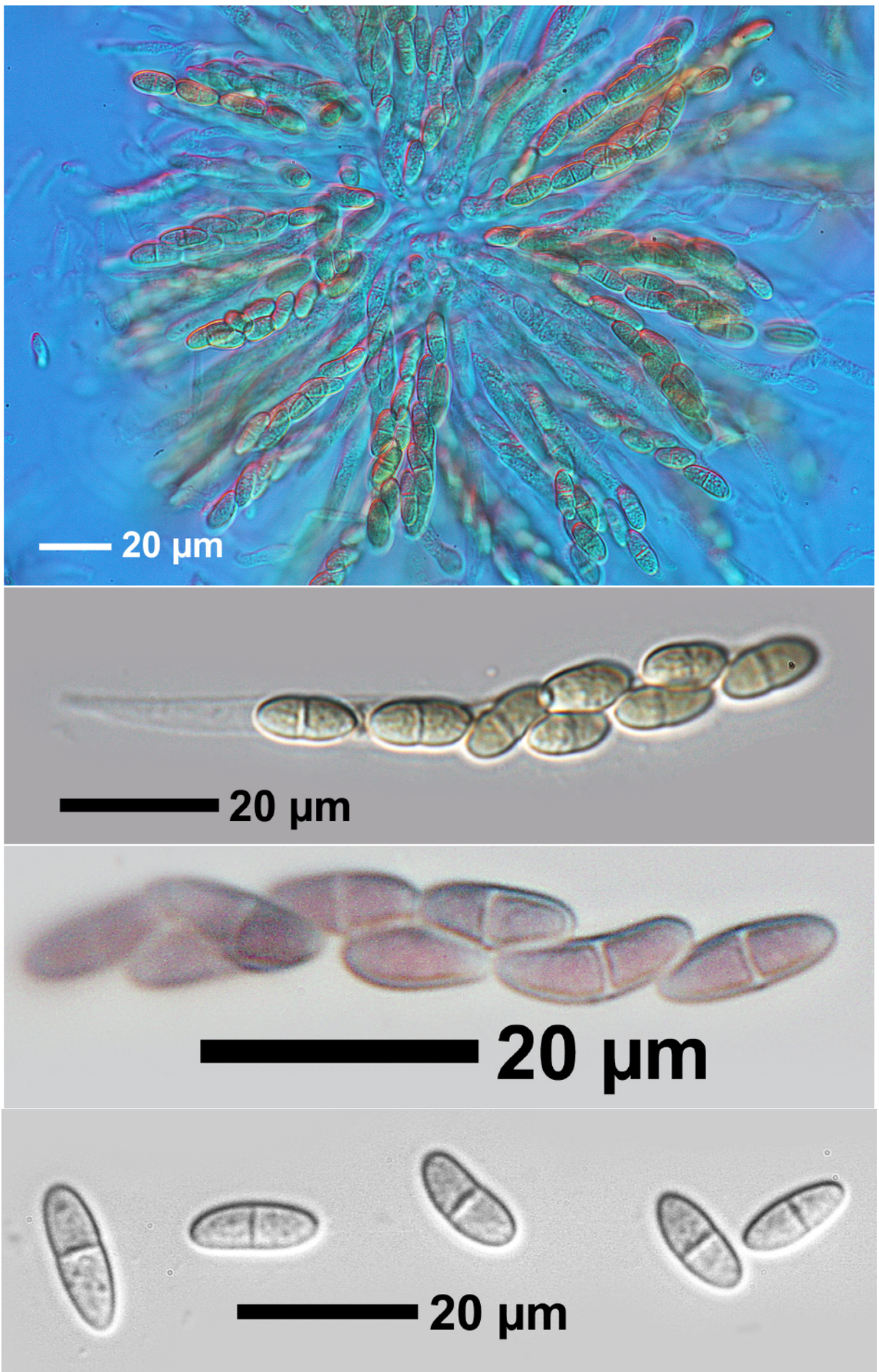




Nectria cinnabarina



Nectria cinnabarina



Nectria cinnabarina

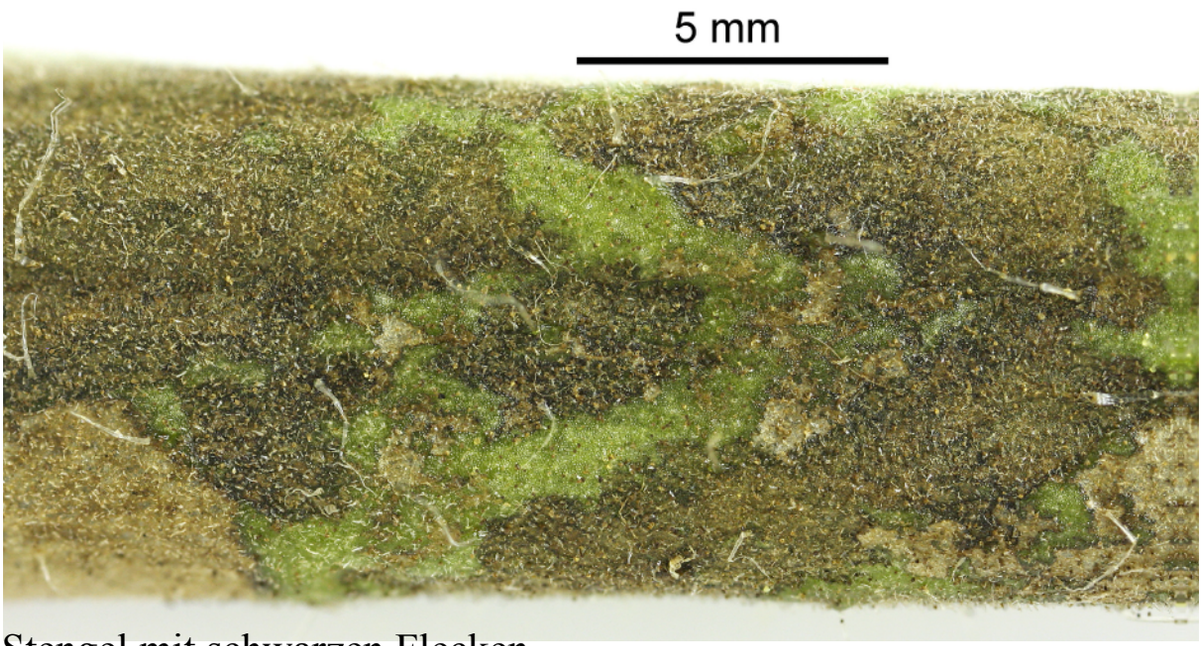
Phytophtora infestans (Mont.) De Bary

An Tomatenpflanzen, Garten Mozartstr. 9, 73117 Wangen. 12. August 2011

Stengel: schwärzliche, später sehr ausgedehnte Flecke.
Blätter: welken, graue Flecke, auf der Unterseite besonders den Fleckenrändern unauffällige weißliche schimmelartige sehr dünne Bezüge mit Konidiophoren und Konidiosporen.
Tomatenfrüchte: befallene Stellen braun, trocken, ziemlich fest.

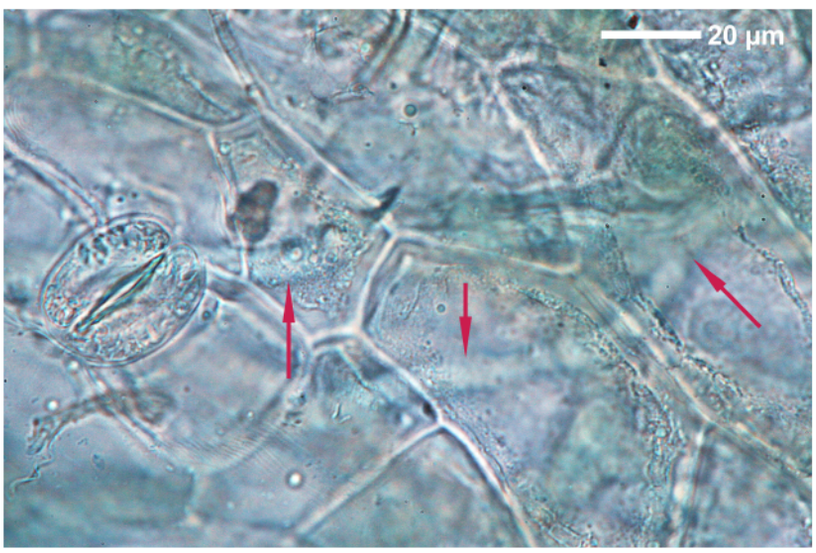
Bemerkung: Der Pilz wächst offenbar bei den befallenen Stellen unterhalb der Epidermis und unterhalb der ersten Schicht chlorophyllführender Zellen.



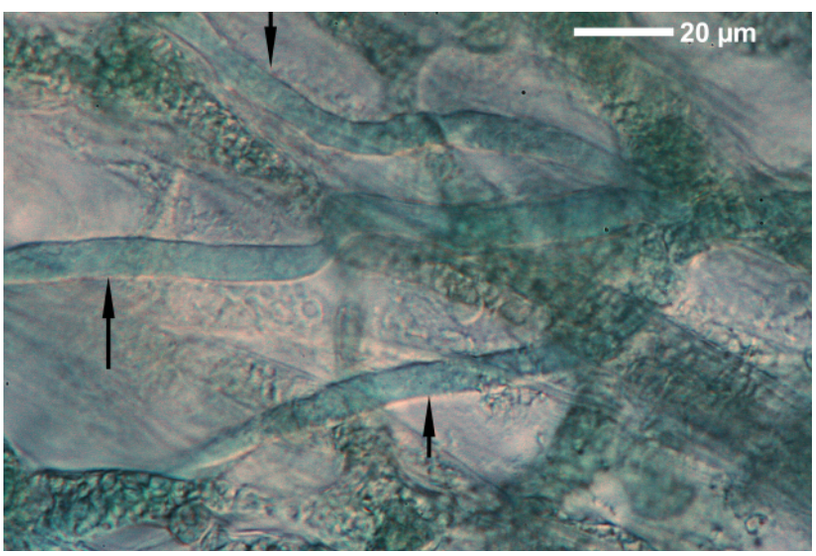


Stengel mit schwarzen Flecken

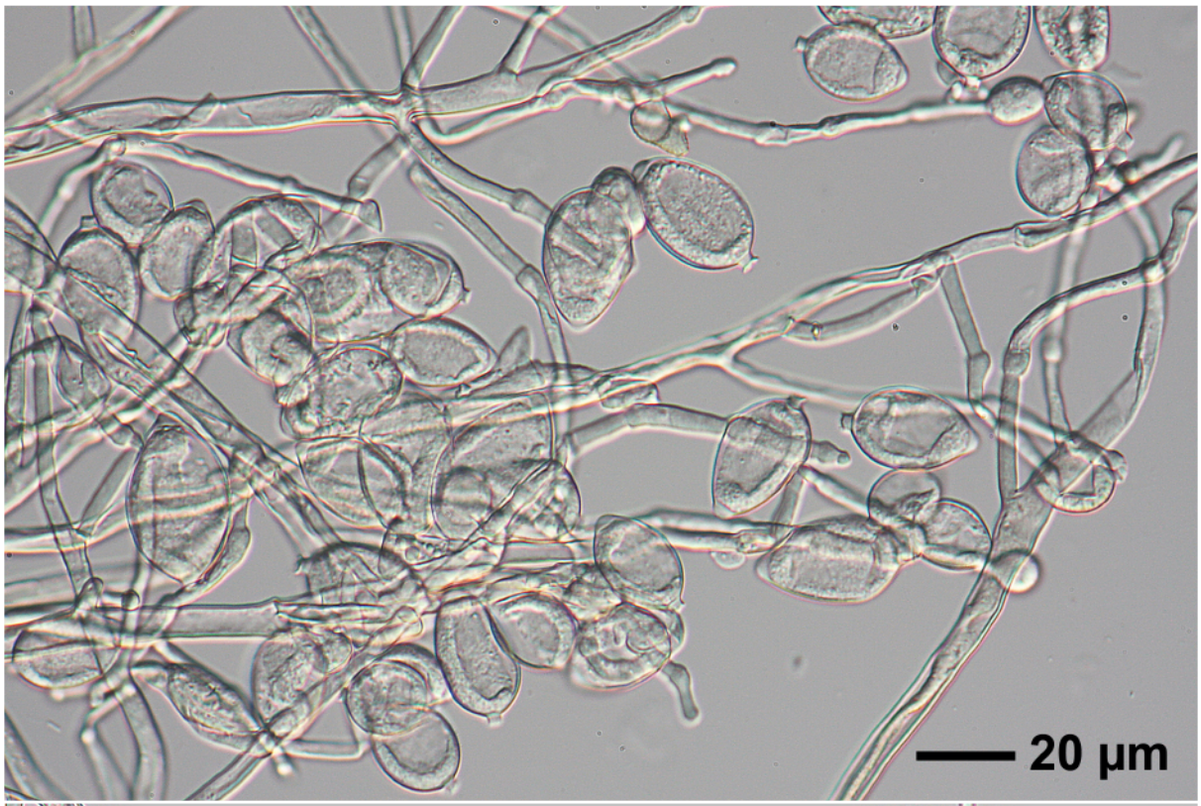
Epidermis des befallenen Stengels (mit Spaltöffnung!) mit durchscheinenden Hyphen im Aerenchym



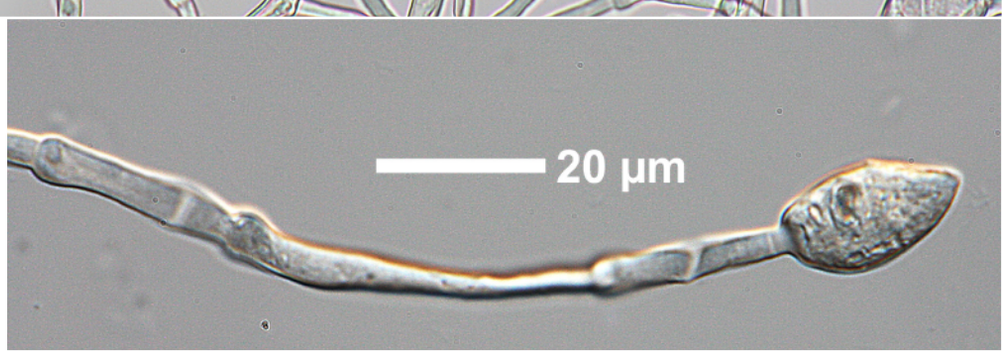
Dieselbe Stelle auf die Pilzhyphen im Stengel fokusiert.



Konidiophoren und Konidiosporen aus den schimmelartigen Belägen eines befallenen Blattes







Puccinia malvacearum Bertero ex Mont.

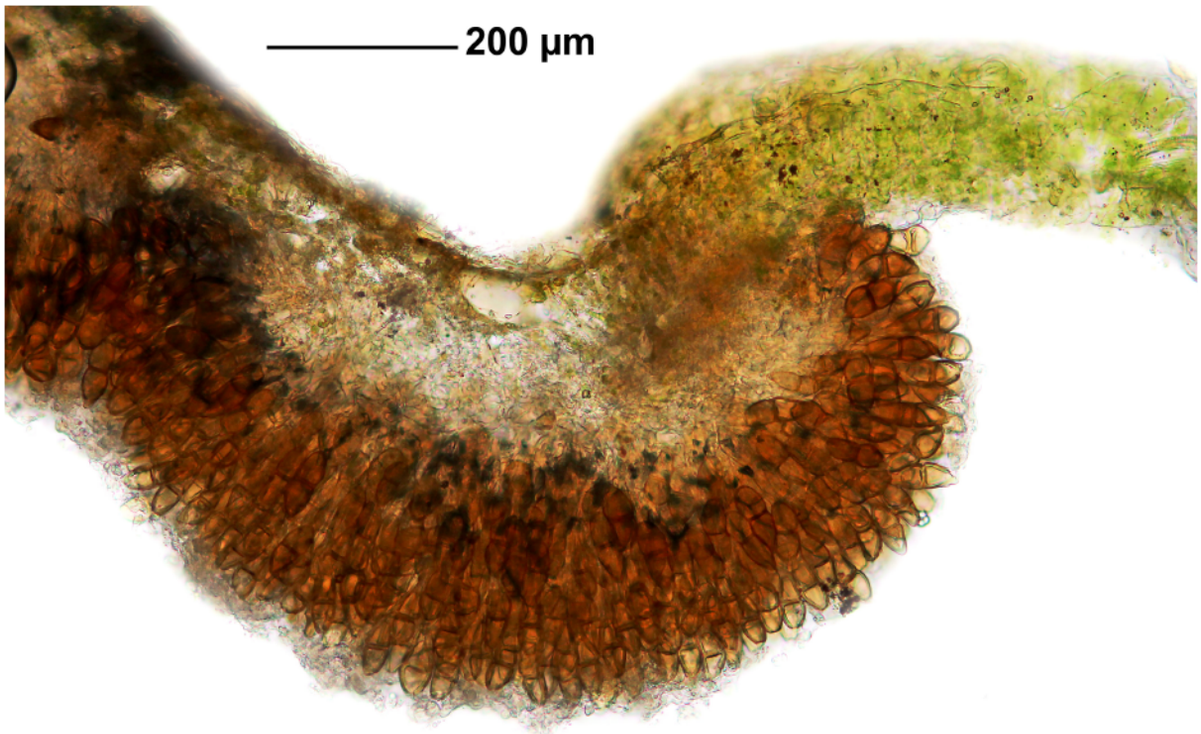
Teliosporenpolster. Sporen 2-zellig, in der Mitte eingeschnürt. Keimporen an der Spitrze und kurz unterhalb des Septums. Neomyceta aus Chile seit 1873.

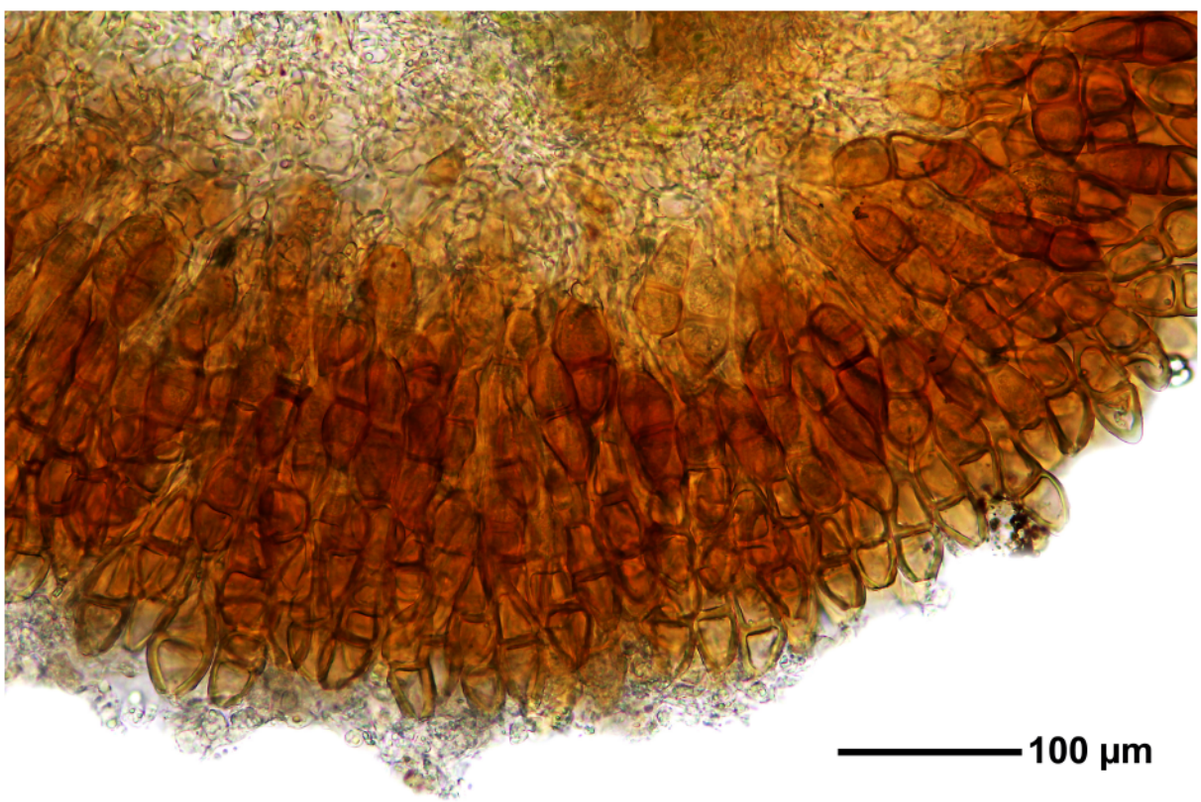
[19453], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, auf Stockrosen (*Alcea*) im Garten der Mozartstr. 9. Leg. et det. F. Schumm, 26.06.2016.





Puccinia malvacearum





Puccinia malvacearum



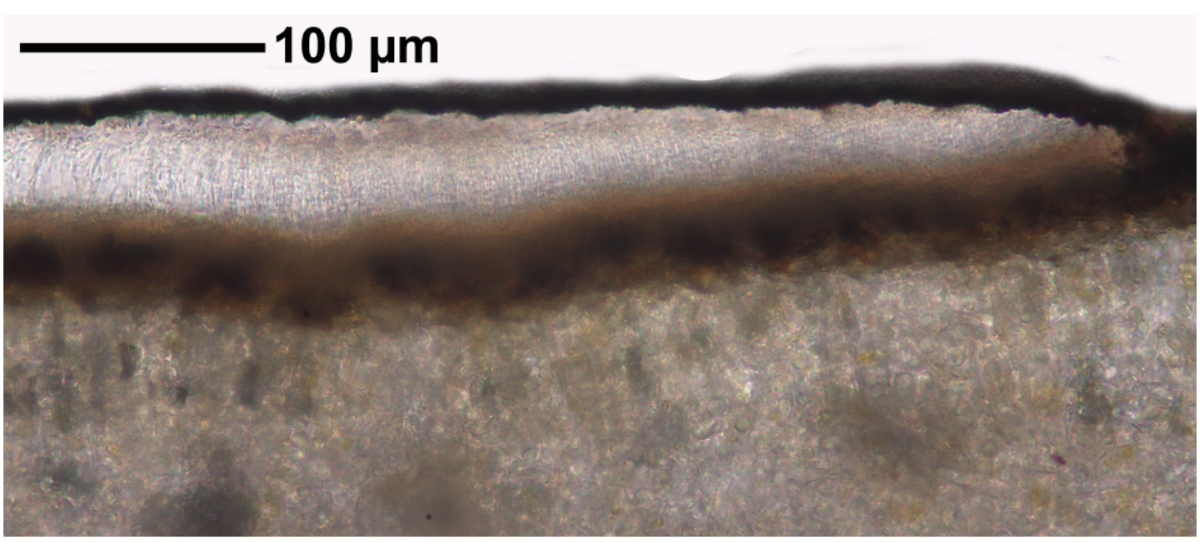


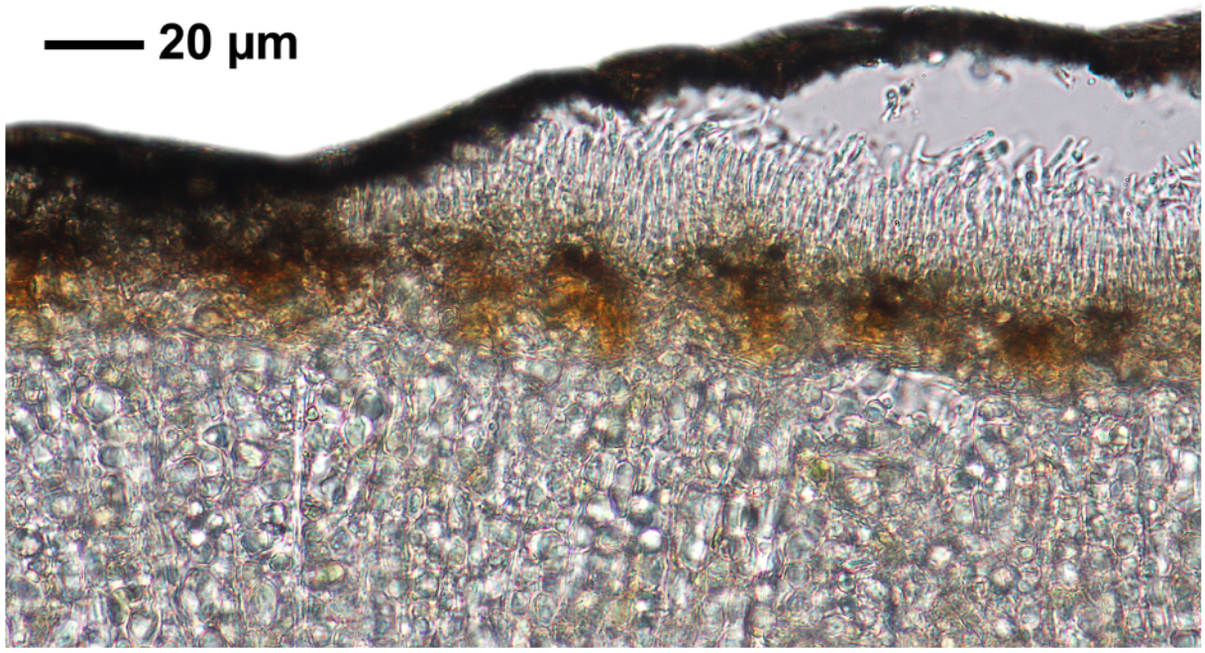
Puccinia malvacearum

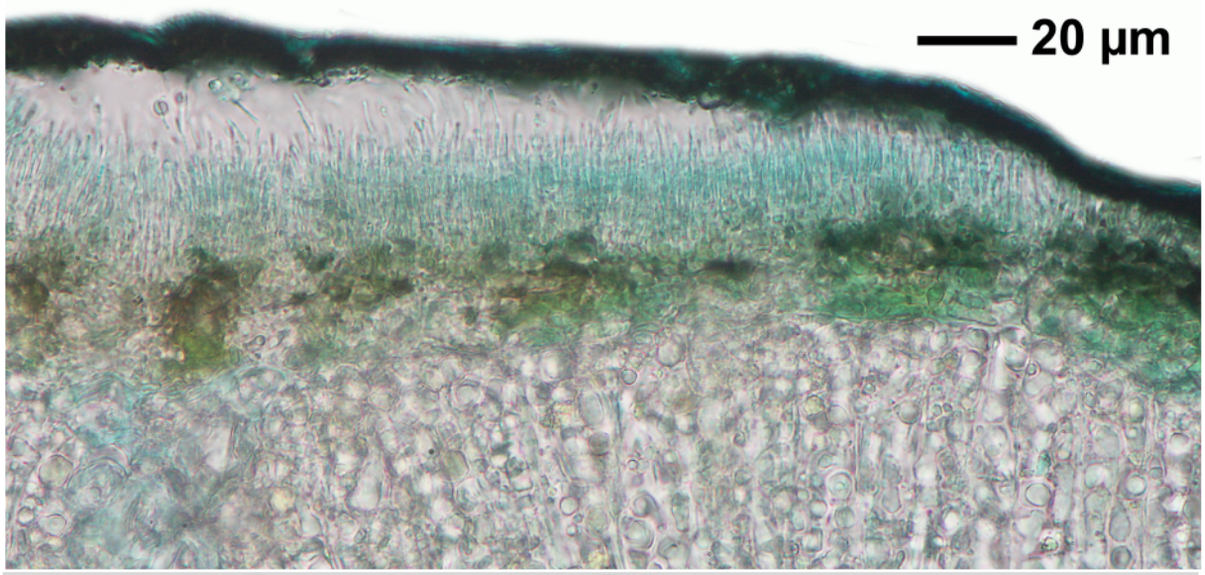
Rhytisma acerinum (Pers.) Fr.
Ahornrunzelschorf.

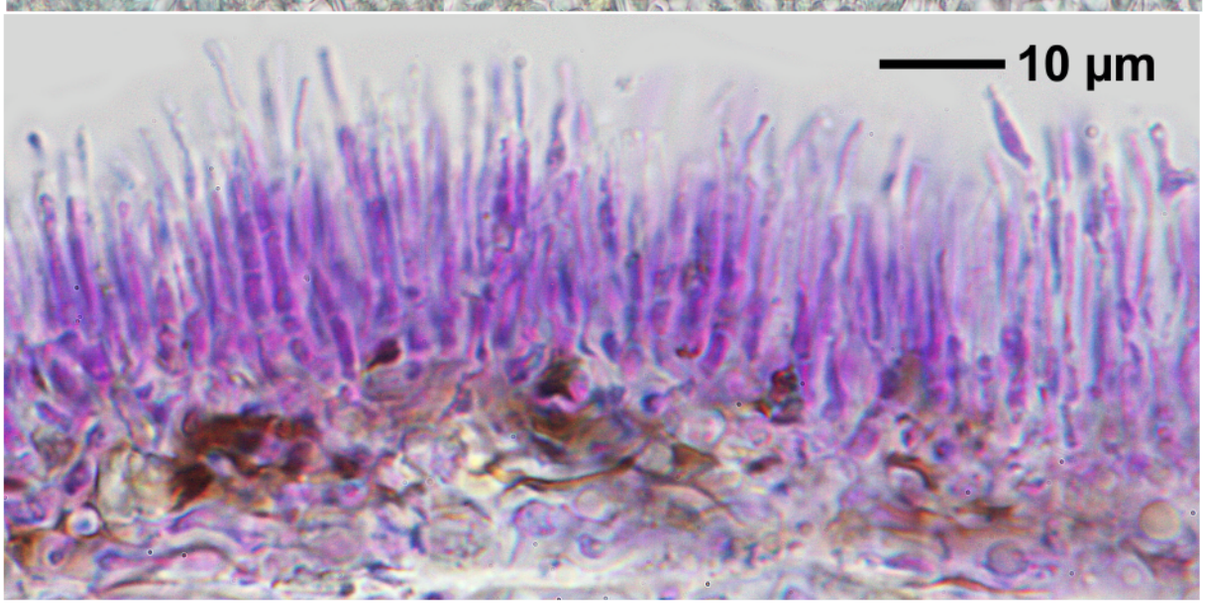
Die schwarzen Flecken auf lebenden Ahornblättern enthalten immer nur Conidosporen. Diese sind 1-zellig, hyalin, 8-9 x 1,2 µm und schnüren sich terminal von Conidiophoren ab.
Ascocarpien werden erst im Frühjahr auf überwinterten, abgefallenen, toten Blättern gebildet.



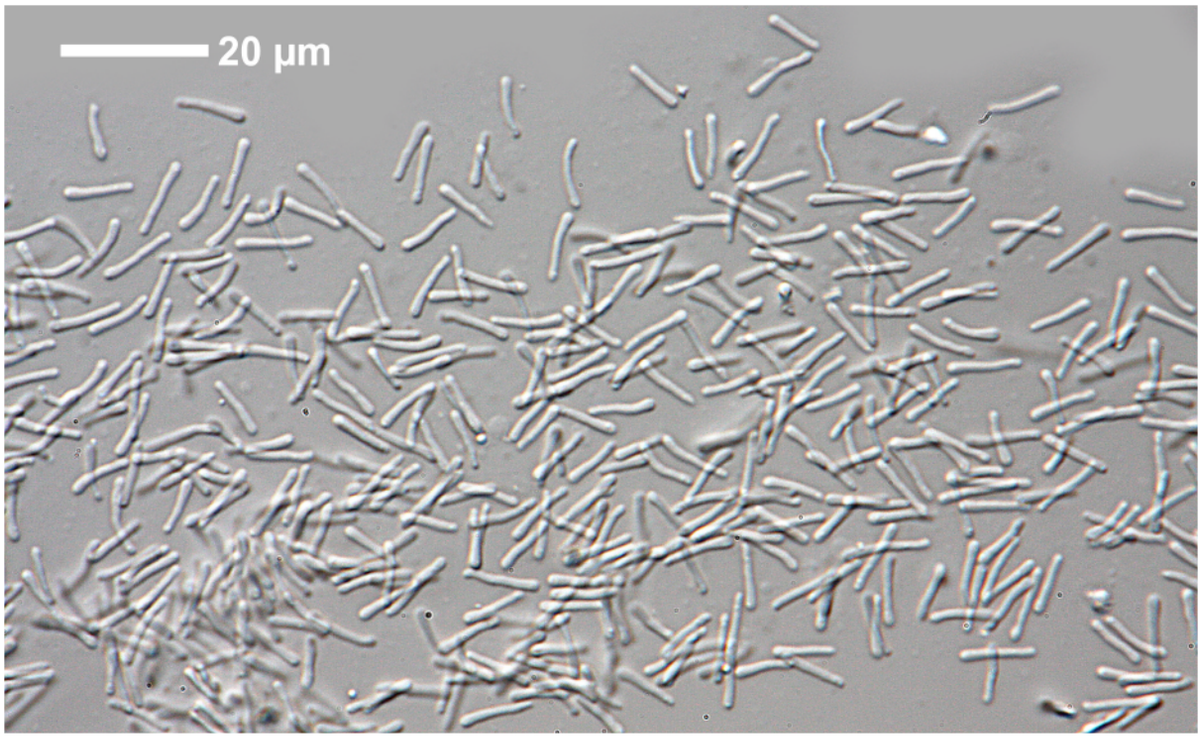








Rhytisma acerinum

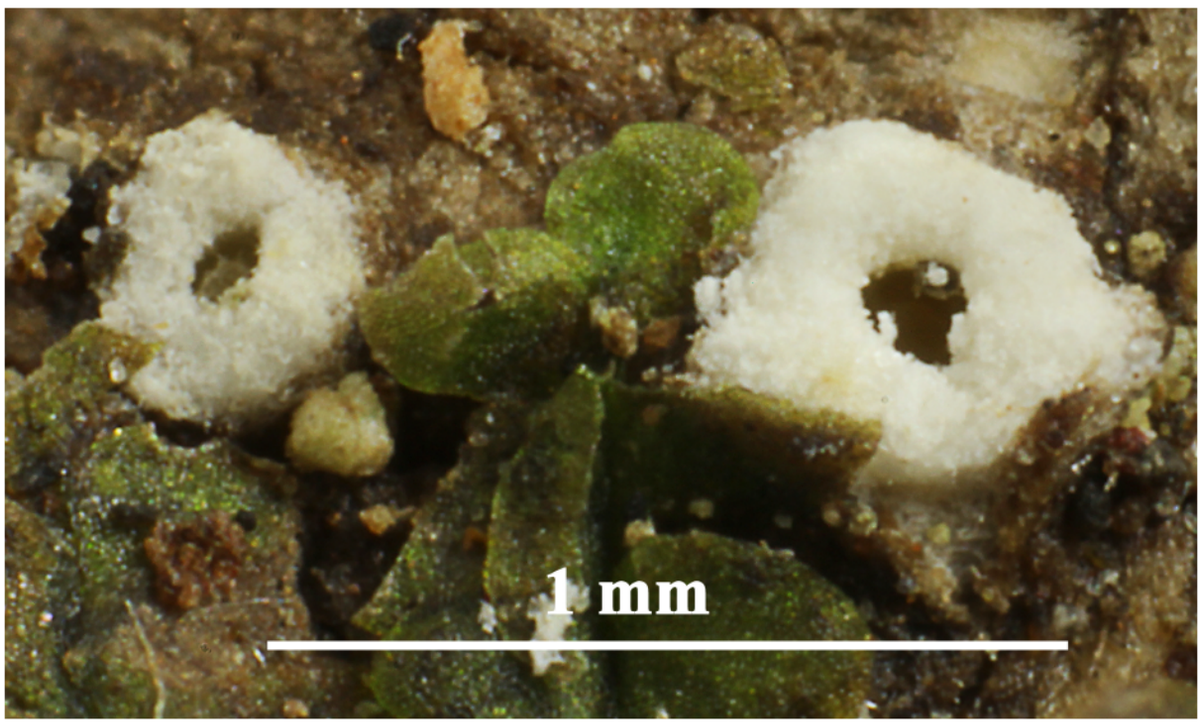


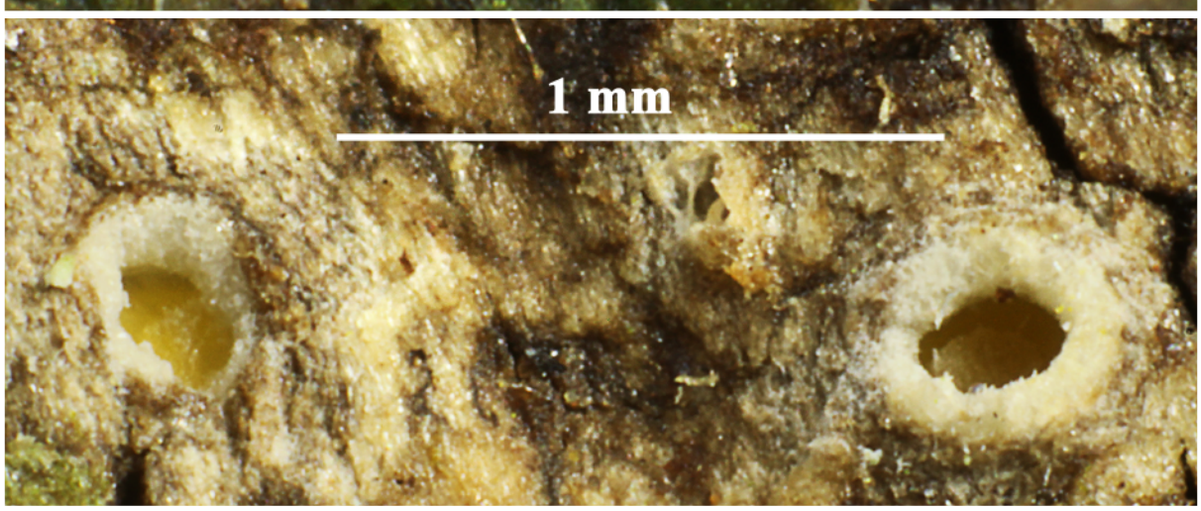
Rhytisma acerinum

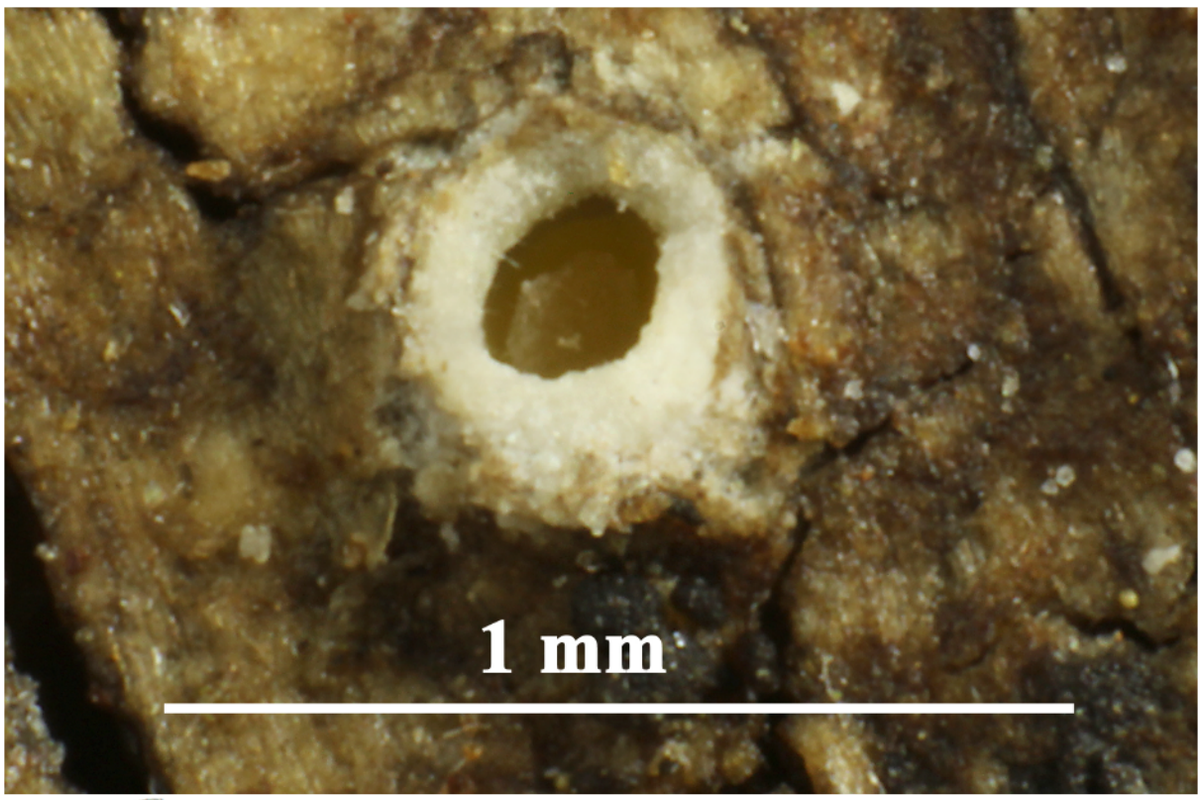
Stictis sp. [19306]

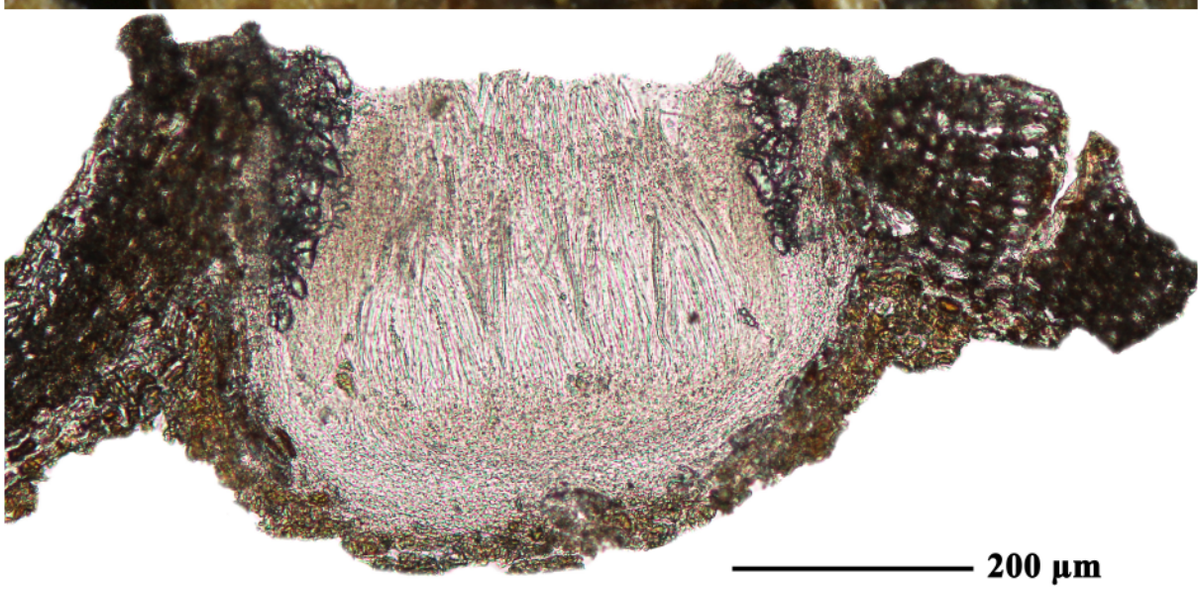
Fungus without photobiont. Disc yellowish olive, margin white with many crystals. Paraphyses not branched. Hymenium inspersed with oil droplets, IKI redbrown. Spores traverse multiseptate, thread like.

[19306], Spanien, La Palma. Lorbeerwald am „Camino Real“ oberhalb „Ermita del la Virgen del Pino“, on bark of Laurus, 28°40’06.45’’ N, 17°49’46.90’’. 1250 m. Leg. H.-G. Wagner, 14.10.2014.

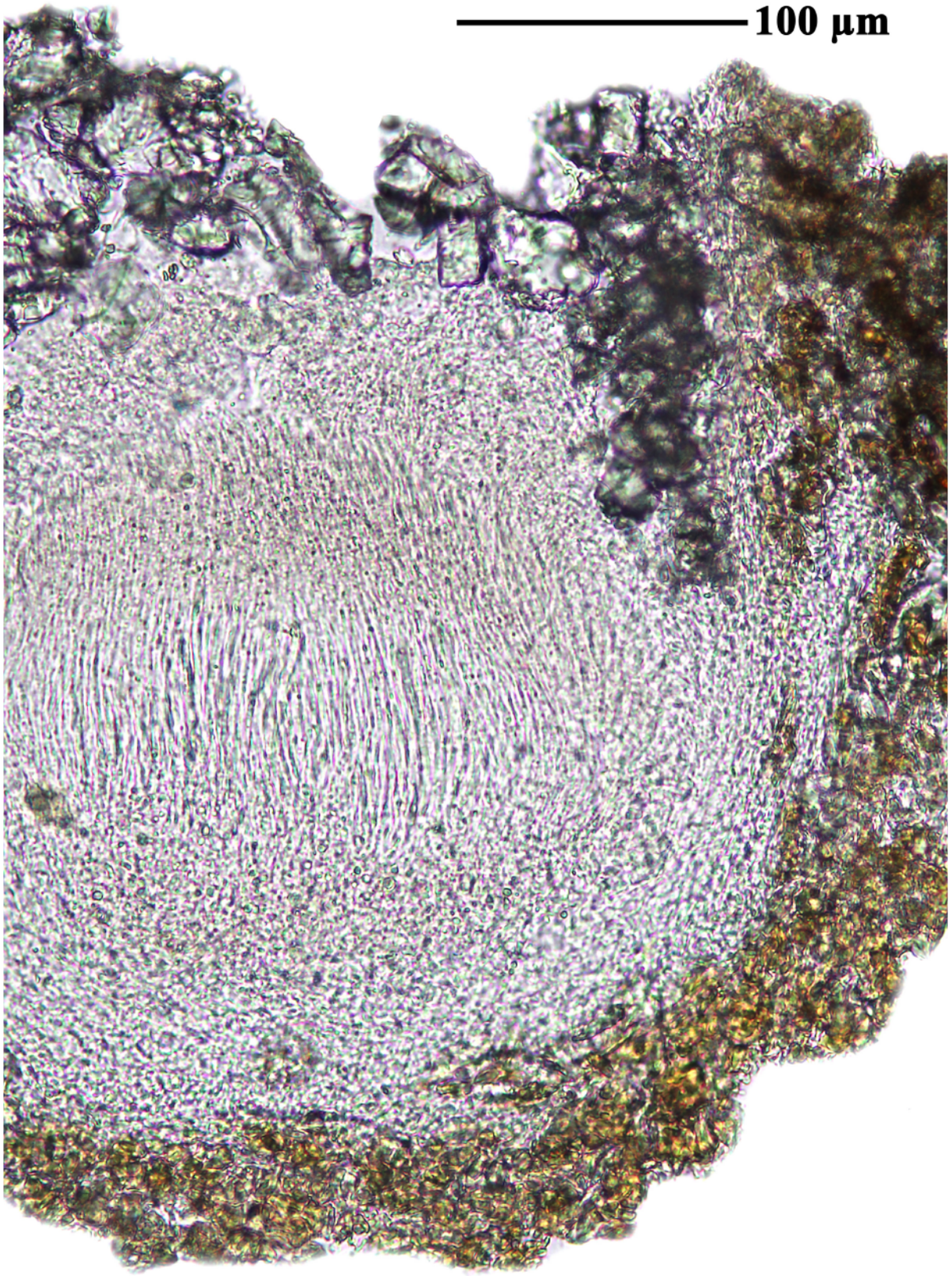




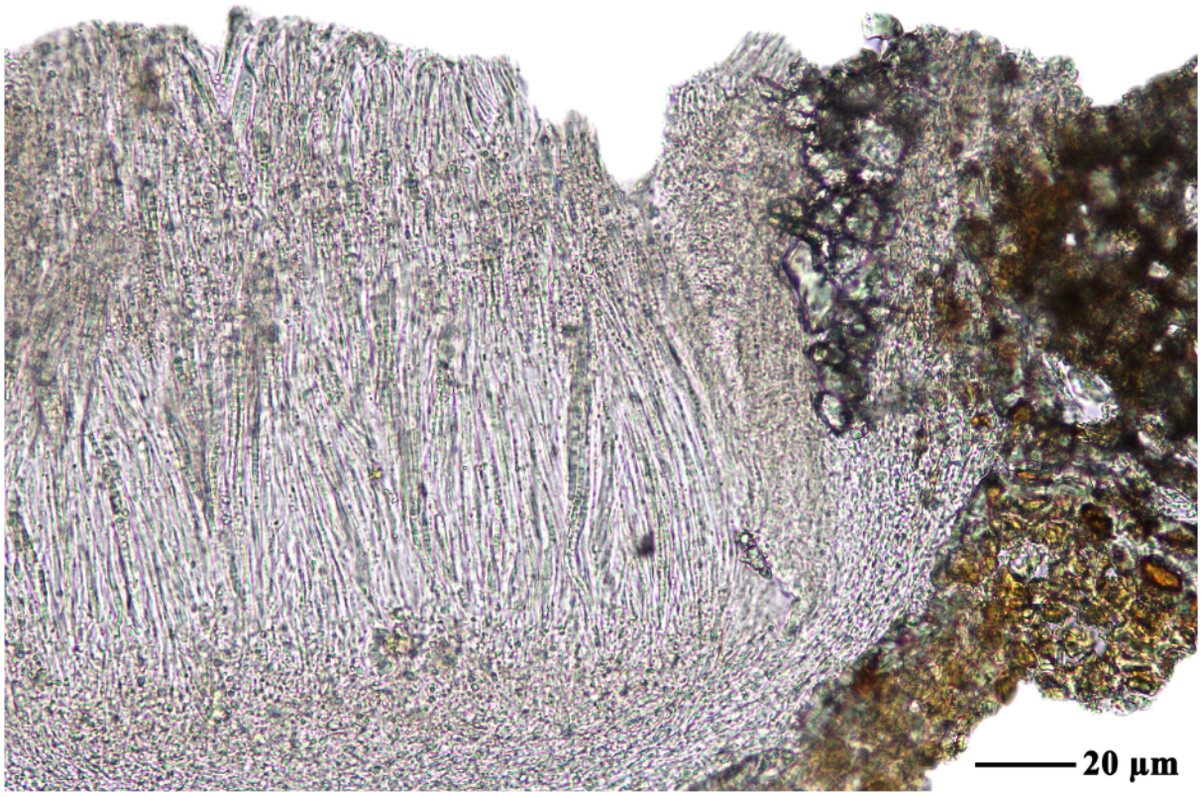


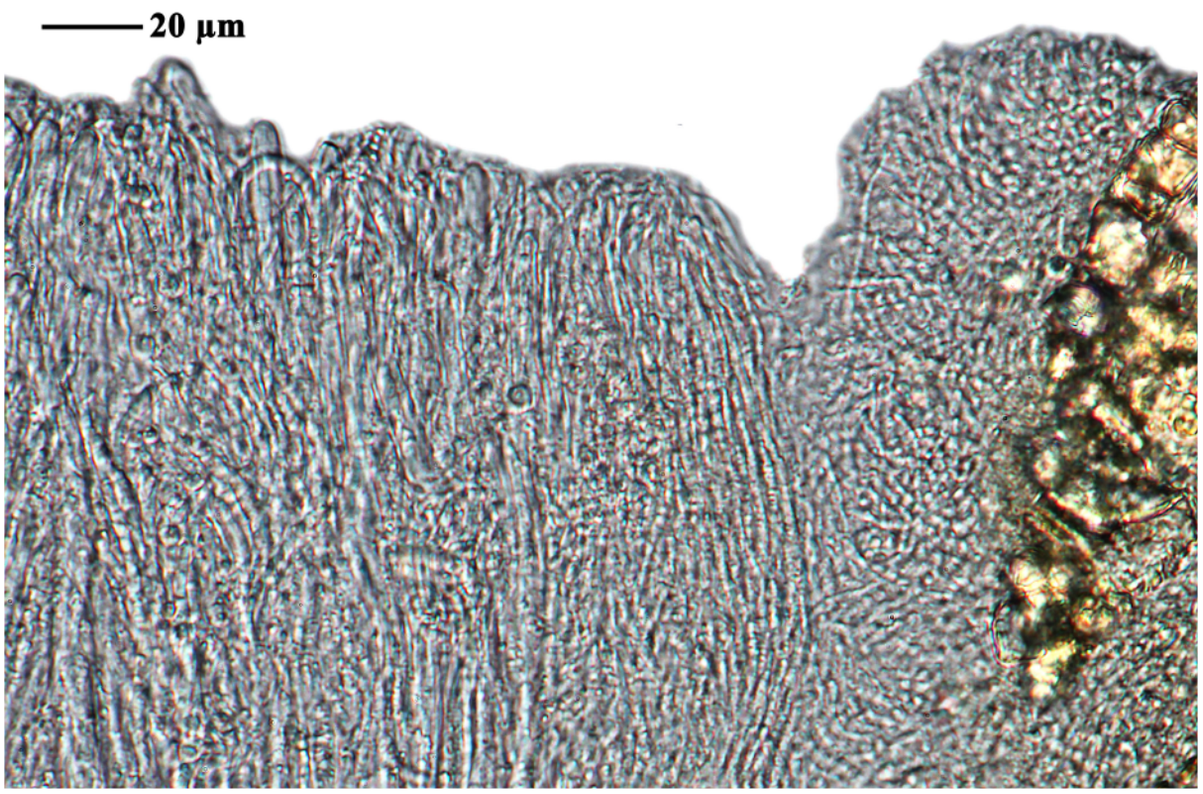


Stictis sp. [19306]

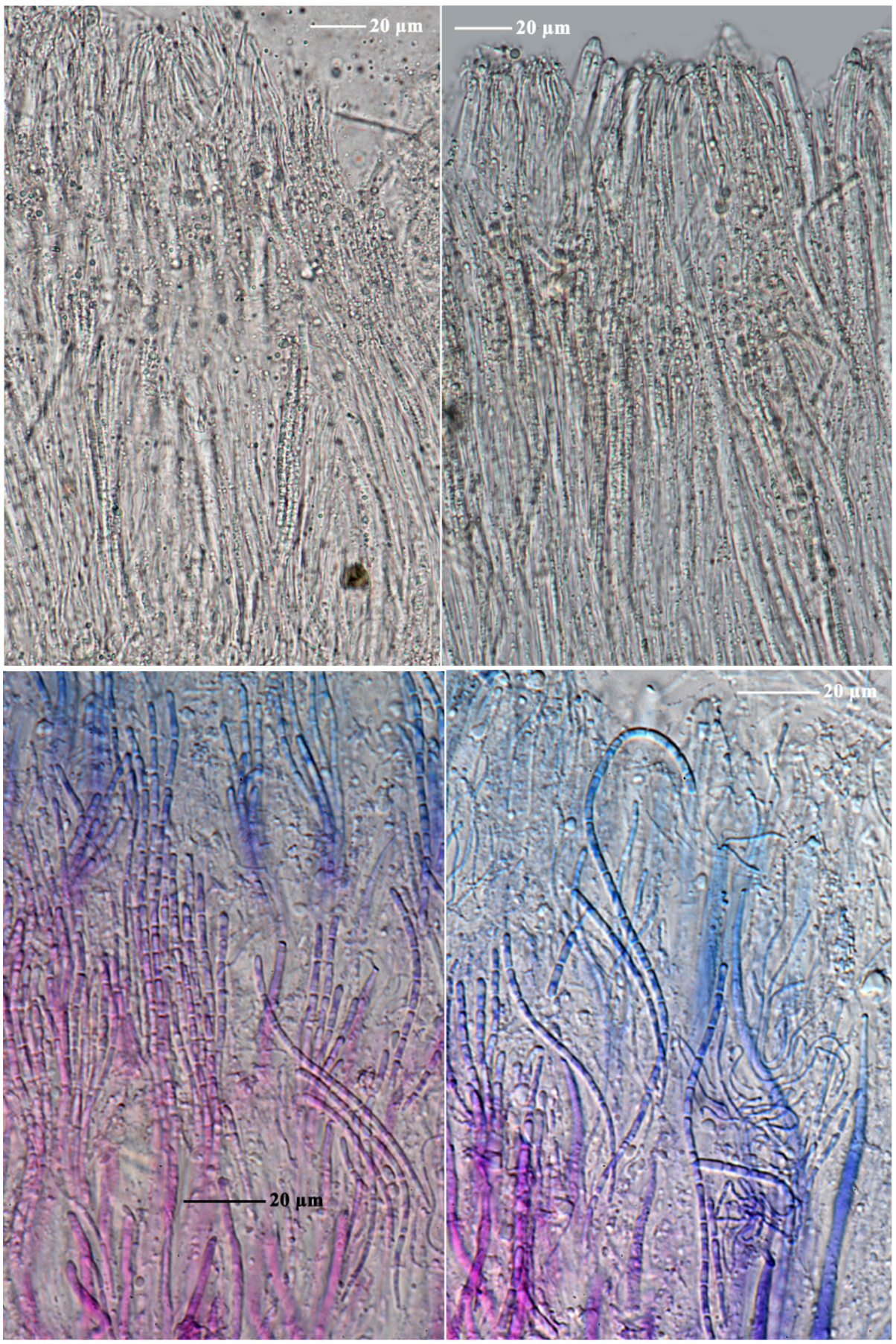


Stictis sp. [19306]

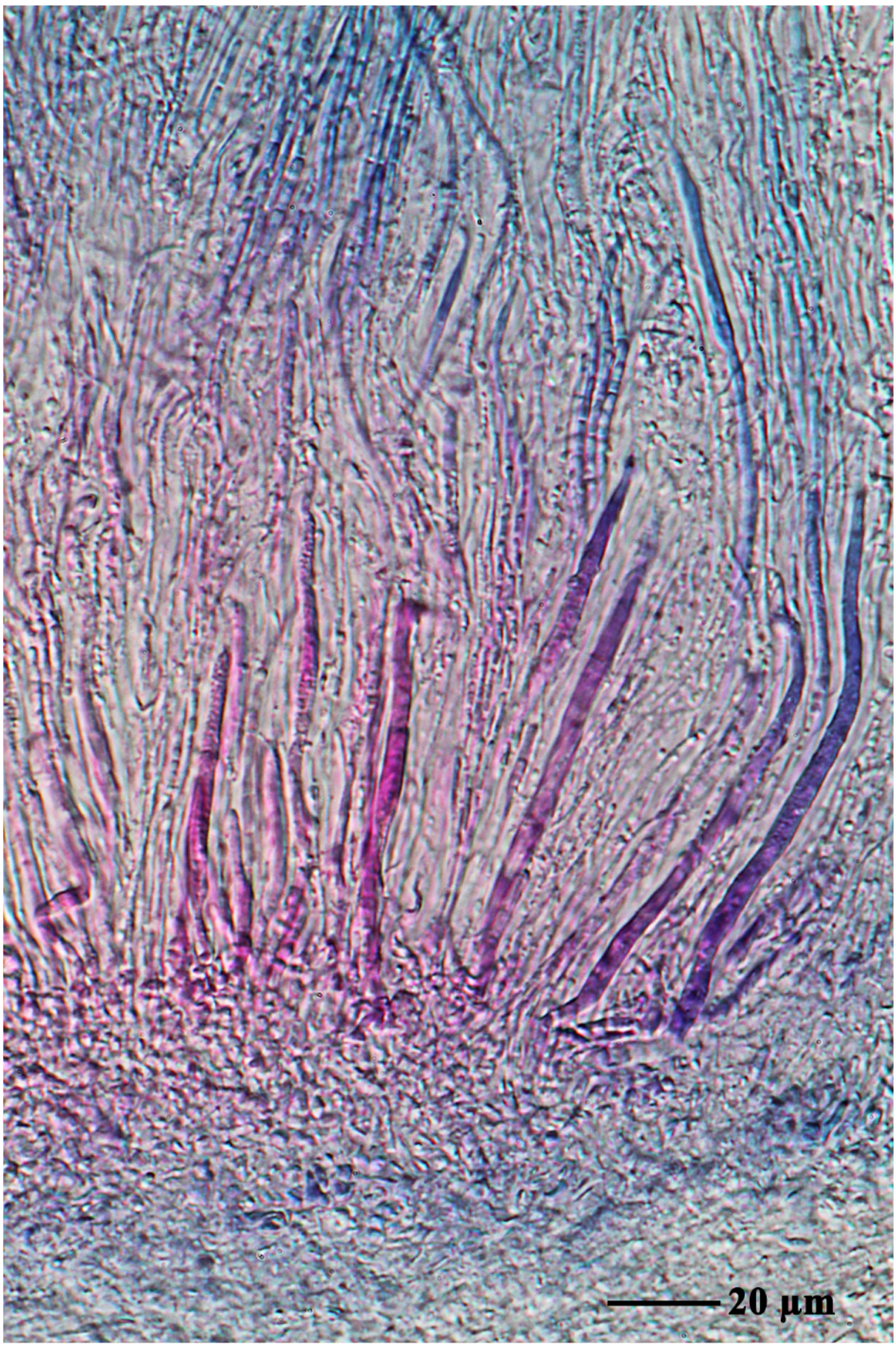




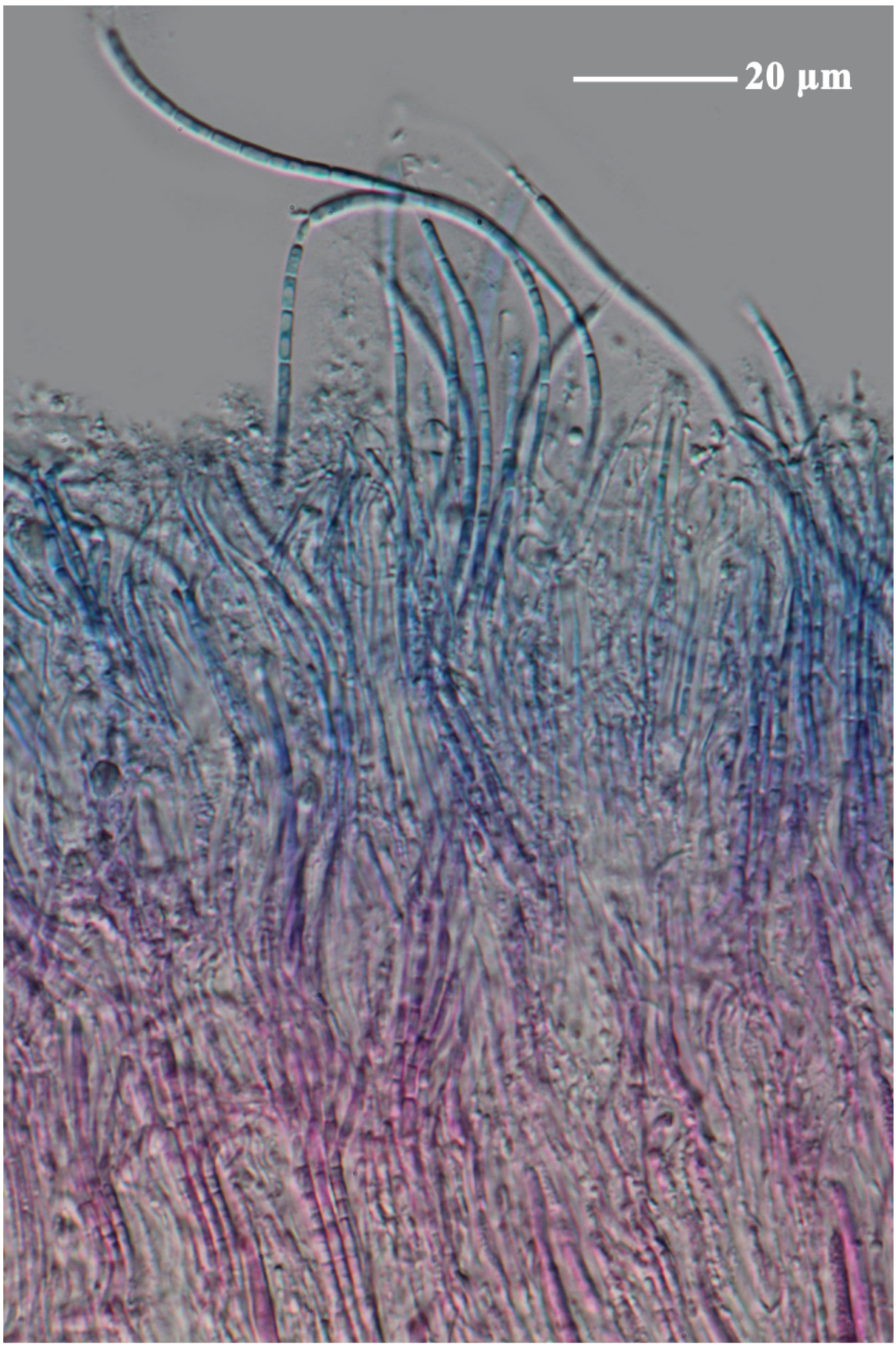
Stictis sp. [19306]



Stictis sp. [19306]



Stictis sp. [19306]

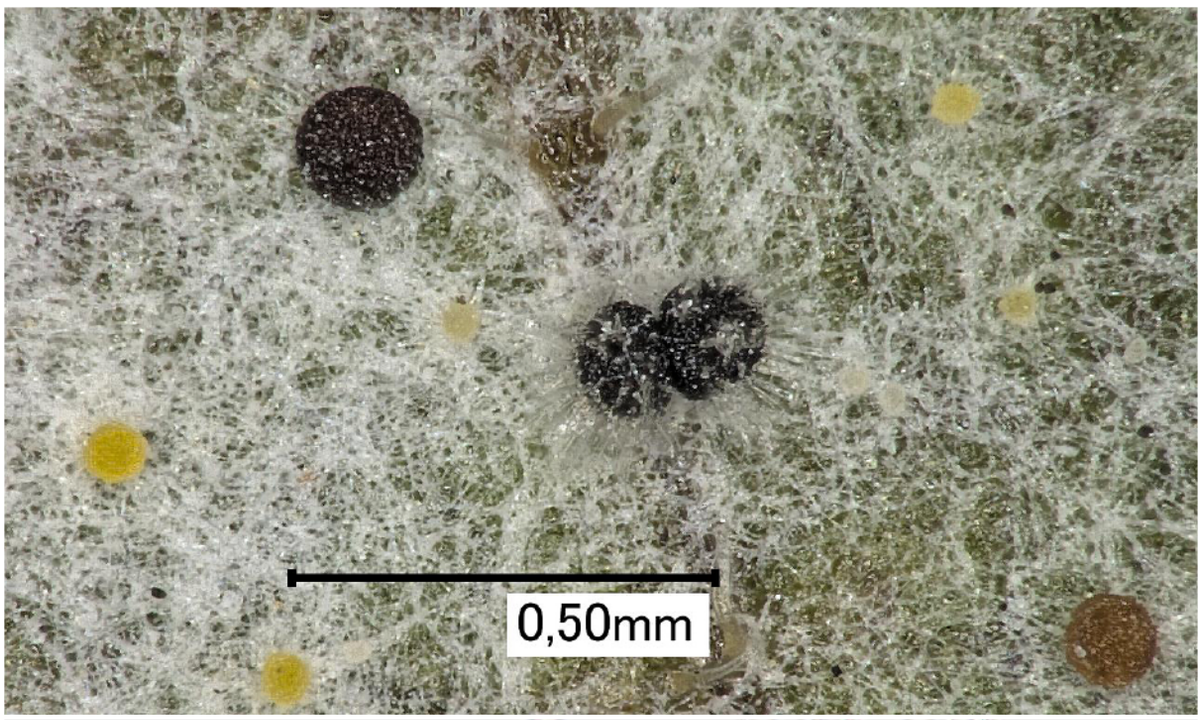


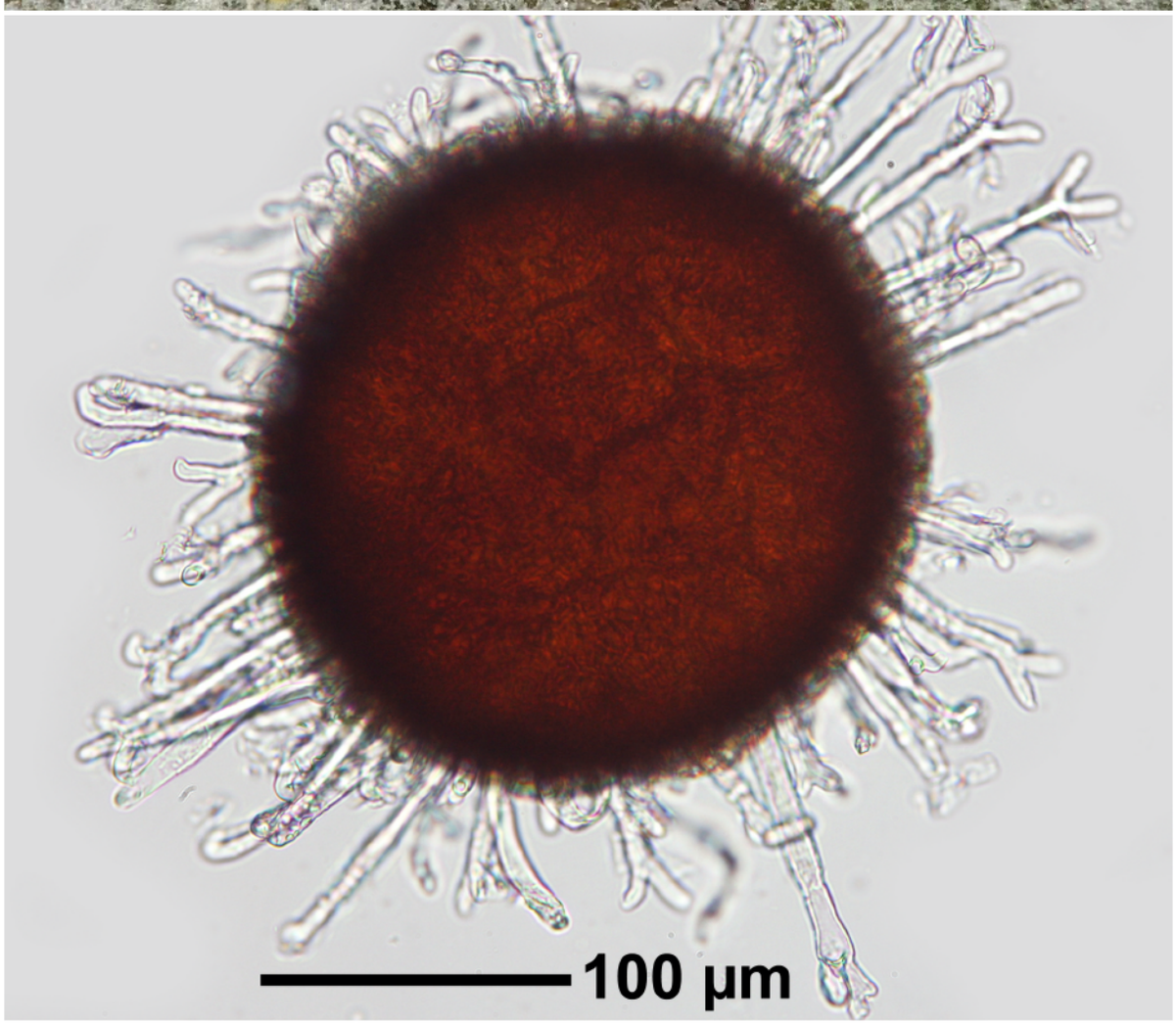
Stictis sp. [19306]

Uncinula bicornis (Wallr. ex Fr.) Lév.

[18494], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, am Waldrand, an Blättern von *Acer campestris*. Leg. et det. Schumm 14.09.2012.



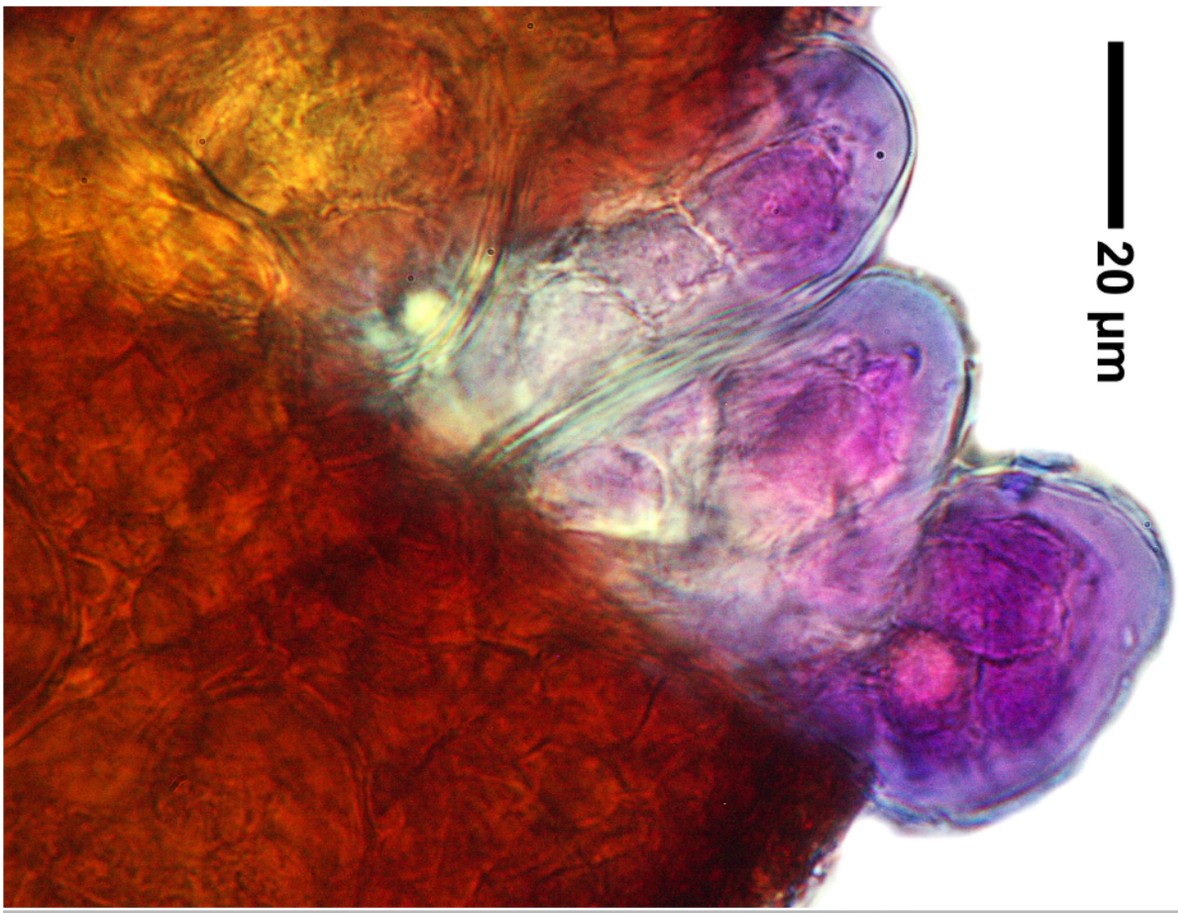




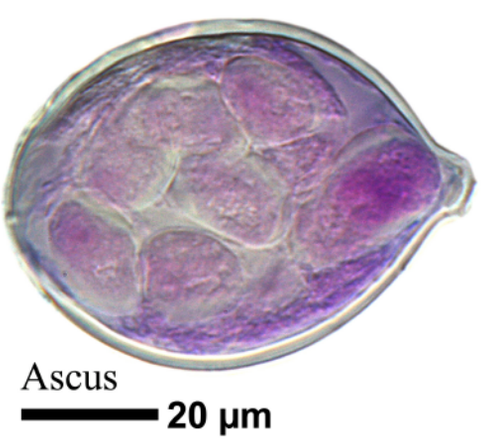
Uncinula bicornis



Uncinula bicornis





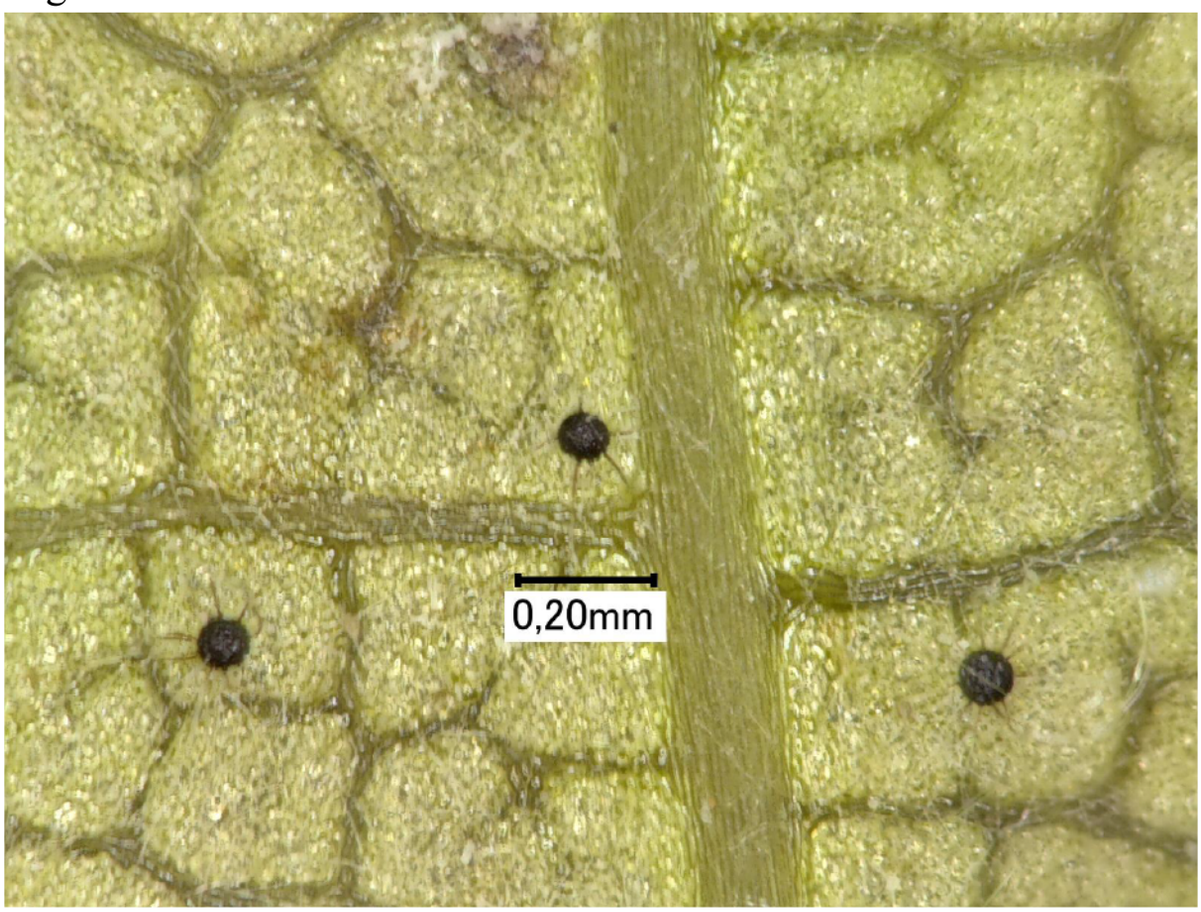


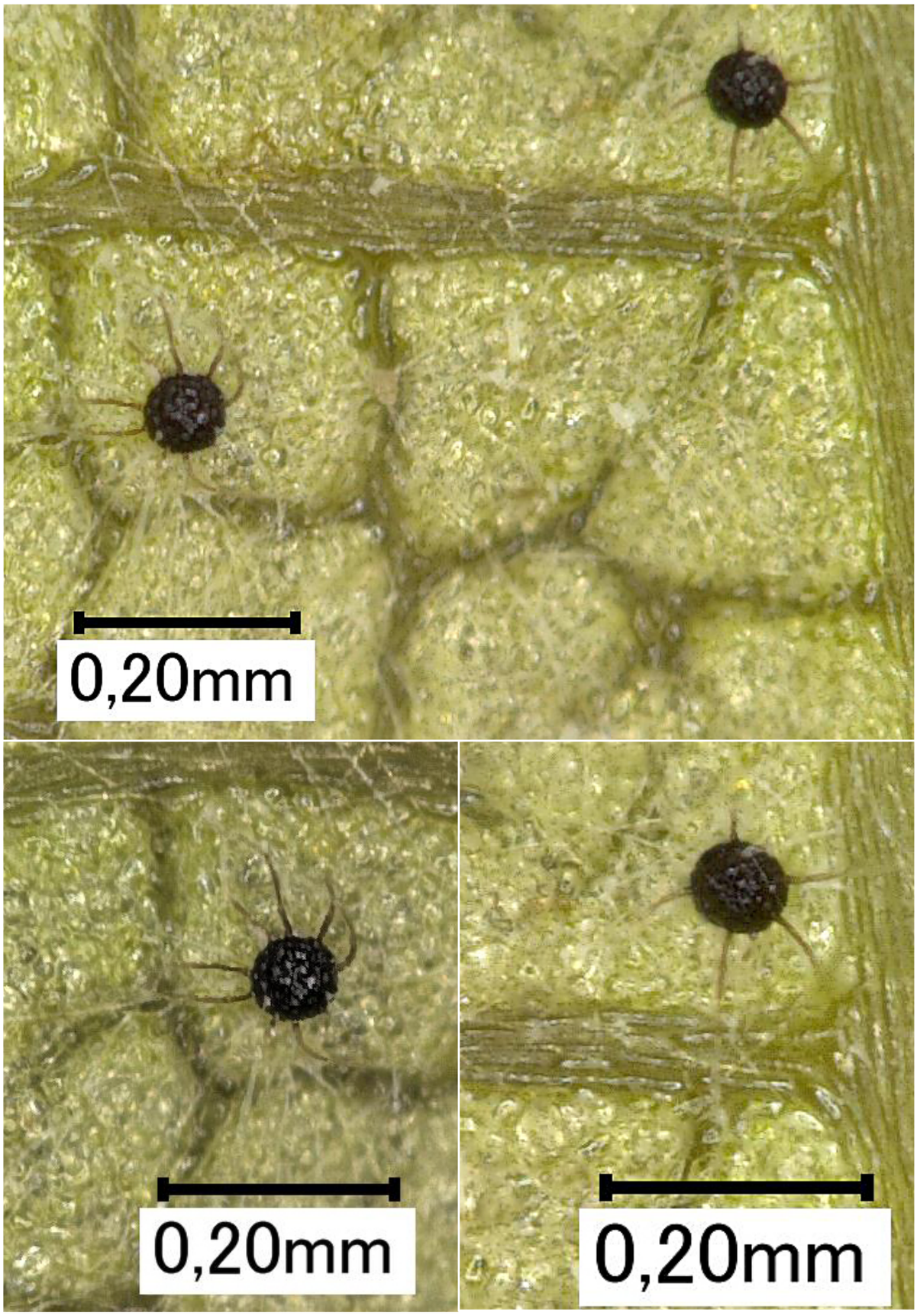
Uncinula bicornis

Uncinula necator (Schweinitz) Burill

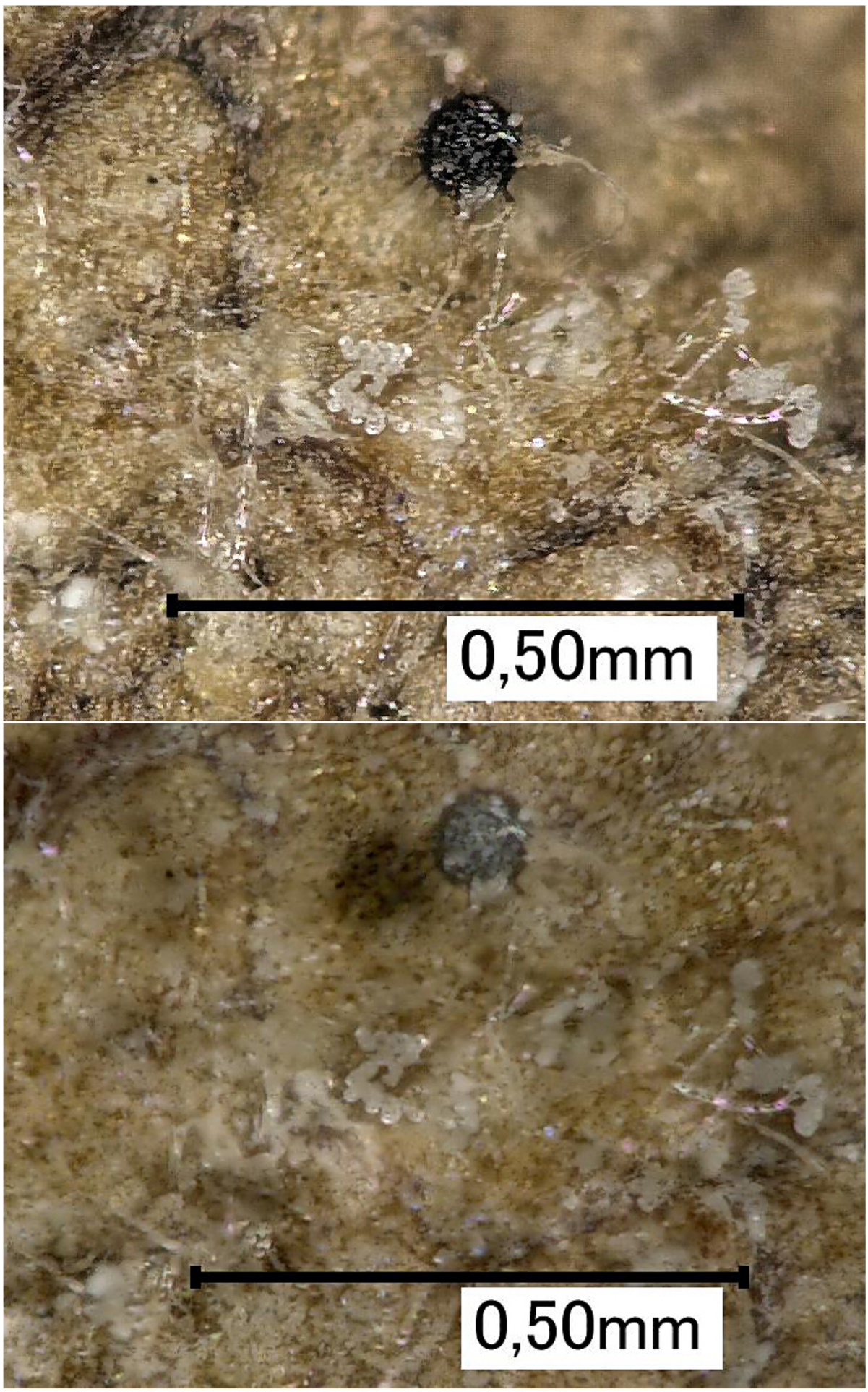
Cleistothecienanhängsel unverzweigt, septiert, an der Basis braun, am Ende hakenförmig umgebogen oder spiralig eingerollt. Asci 2-8/Cleistothecium. Sporen hyalin, 1-zellig, 4-8/Ascus. Konidien in Ketten.

[18470], Germany, Baden-Württemberg, Kreis Göppingen, Wangen, im Garten der Mozartstr. 9, auf *Vitis*; 48.72438° N, 9.60362° E, 379 m. Leg. et det. Schumm 09.09.2012

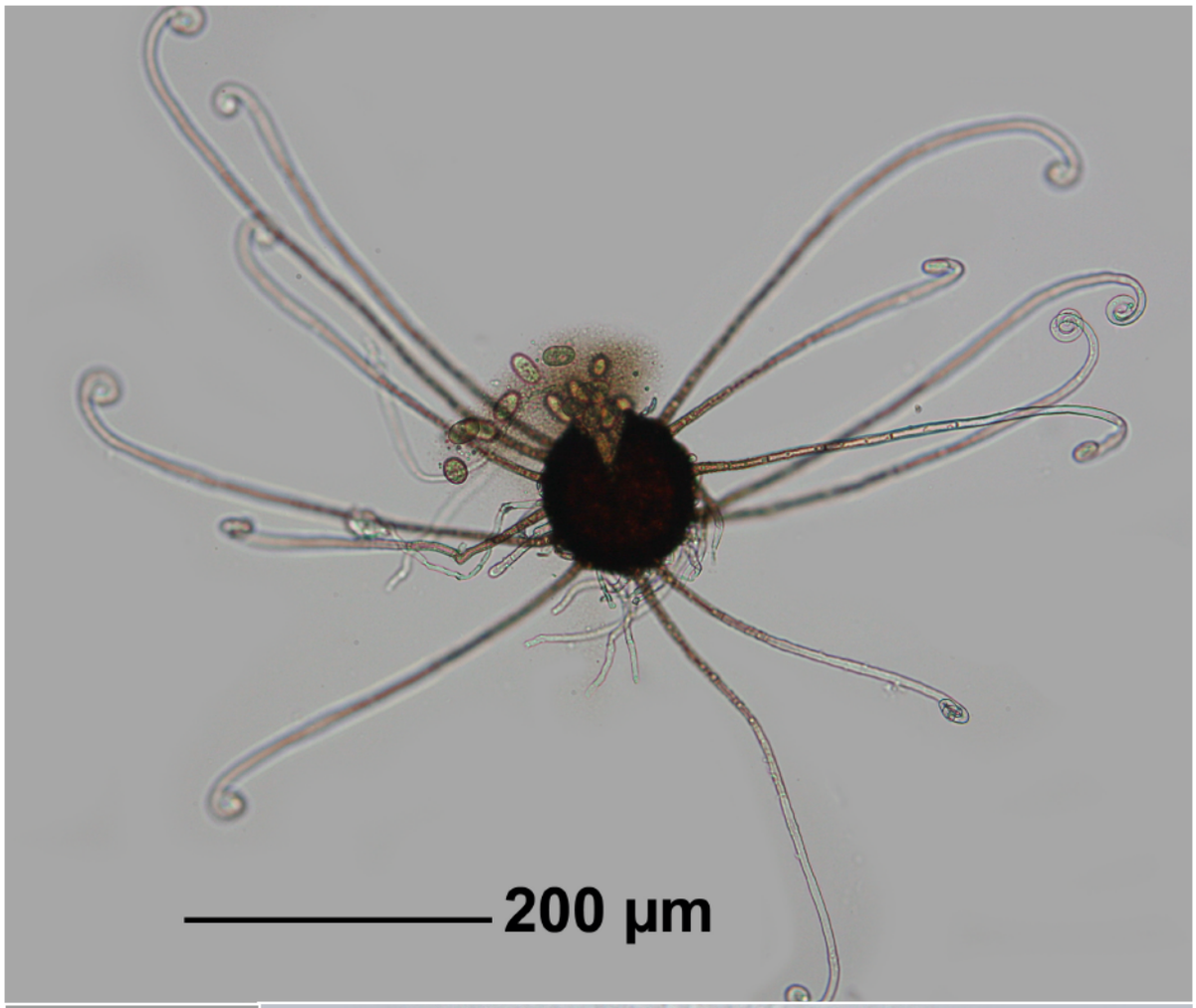


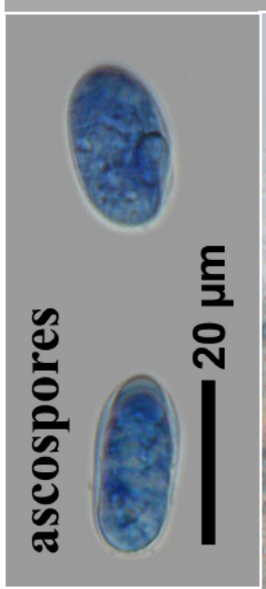


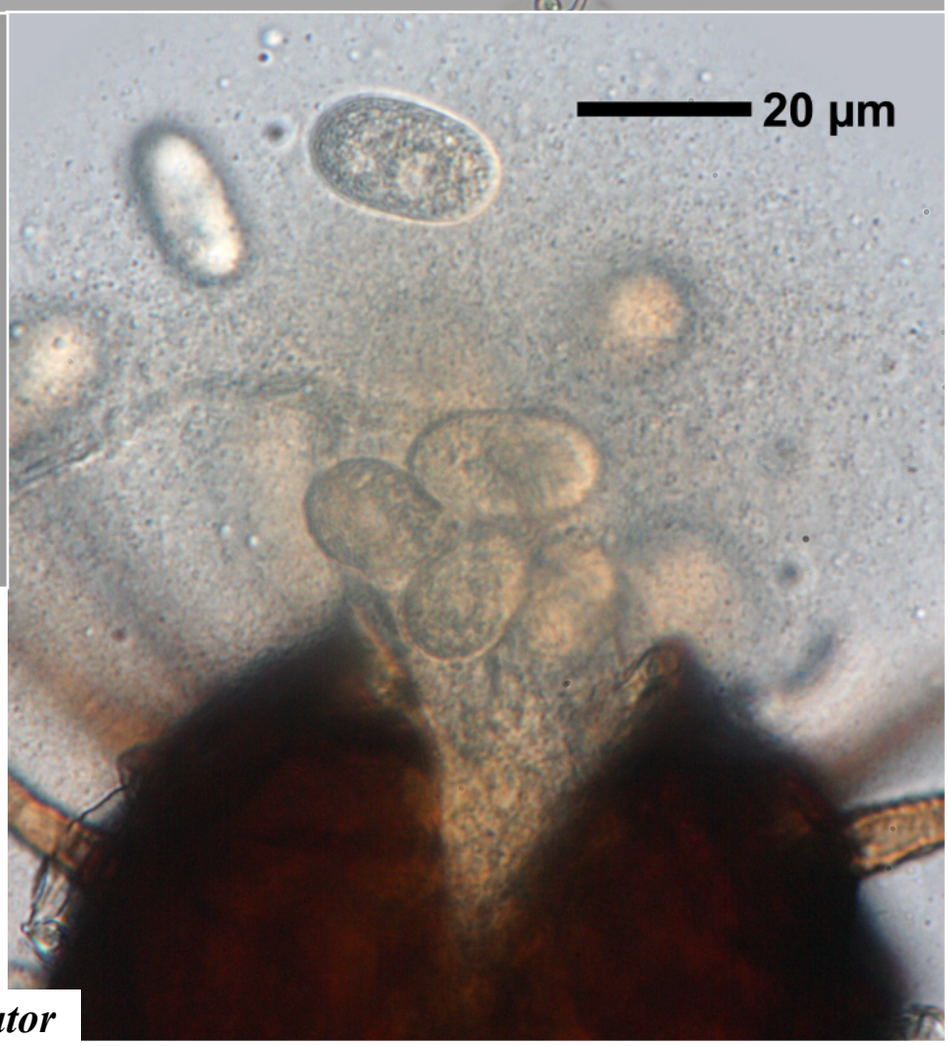
Uncinula necator



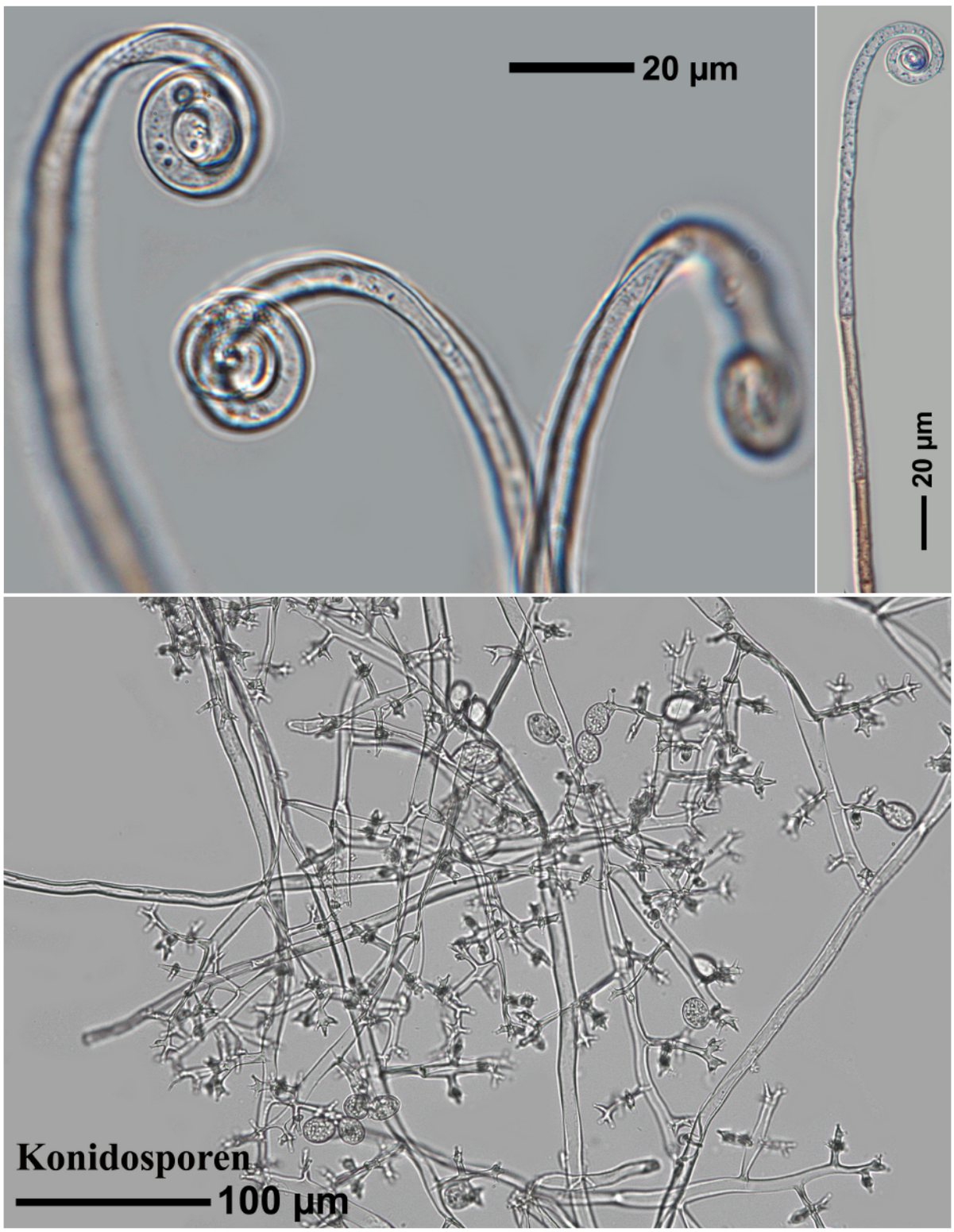
Uncinula necator







Uncinula necator



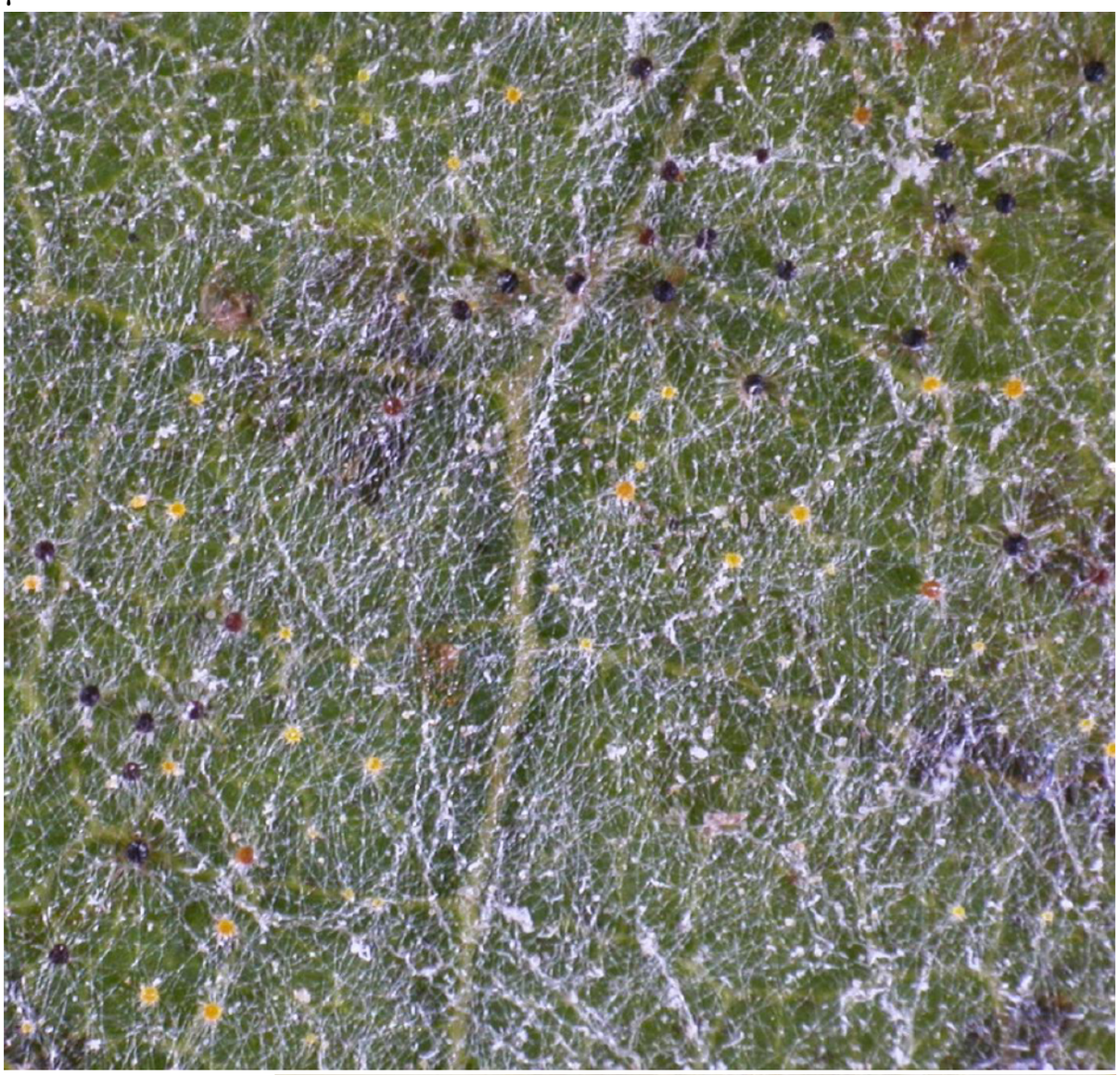
Uncinula necator



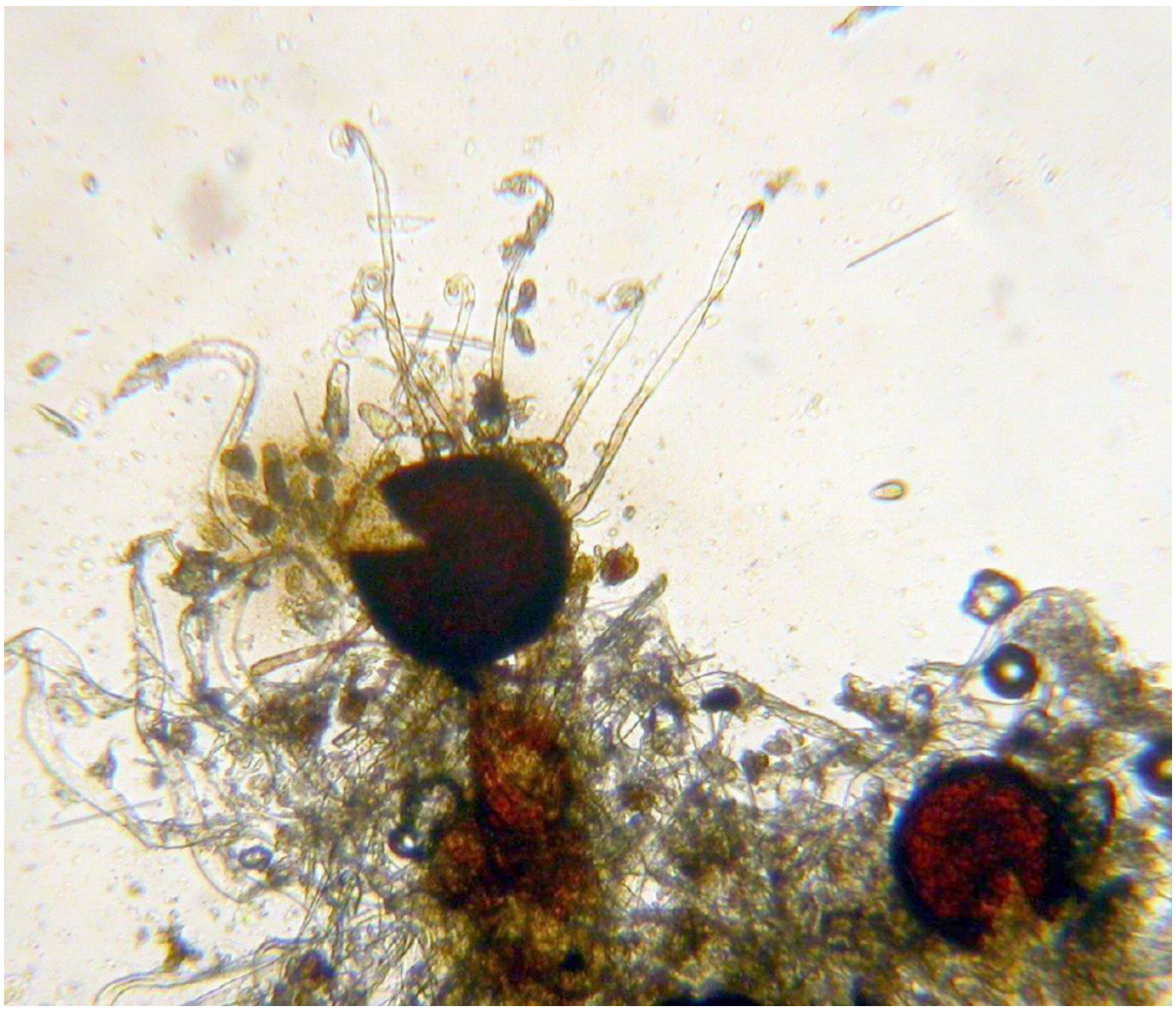
Uncinula necator

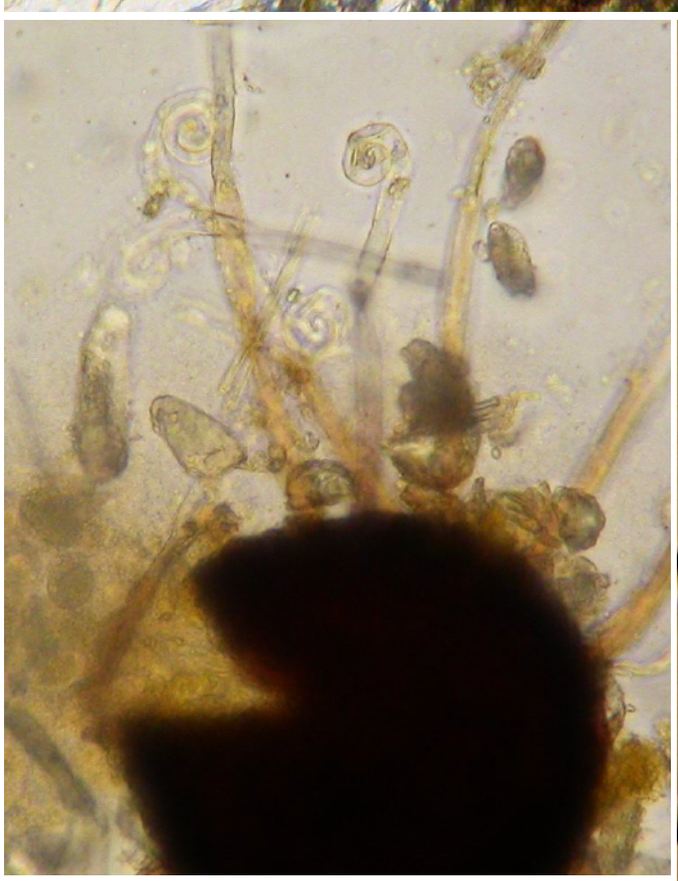
Uncinula necator (Schweinitz) Burill

Bilder von Hans-Otto Baral.
Upper face of still-alive Vitis-leaves, Tüb.-Pfrondorf. Perithecia c. 100 µm diam.











Uncinula necator



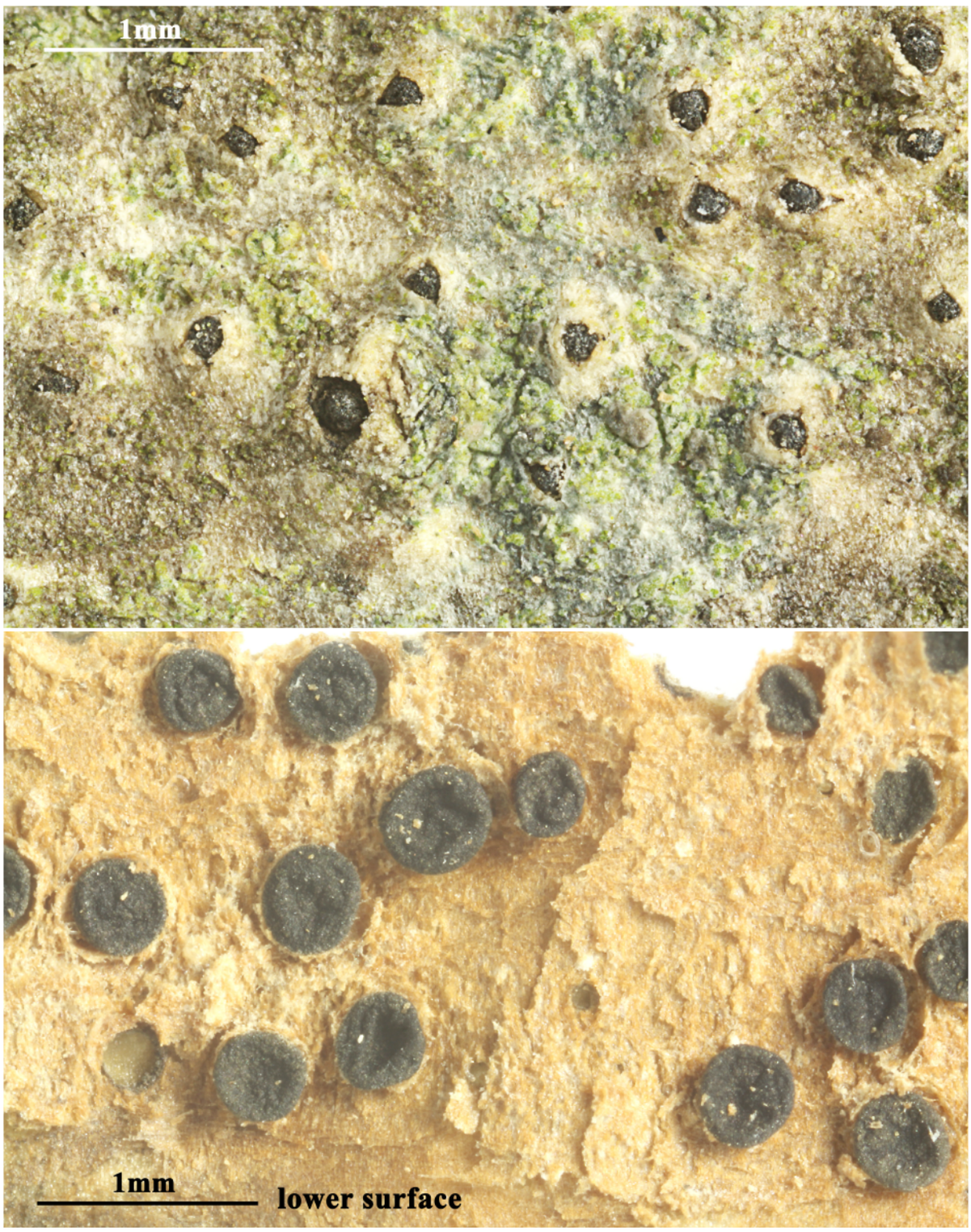
Uncinula necator

Valsa sp.

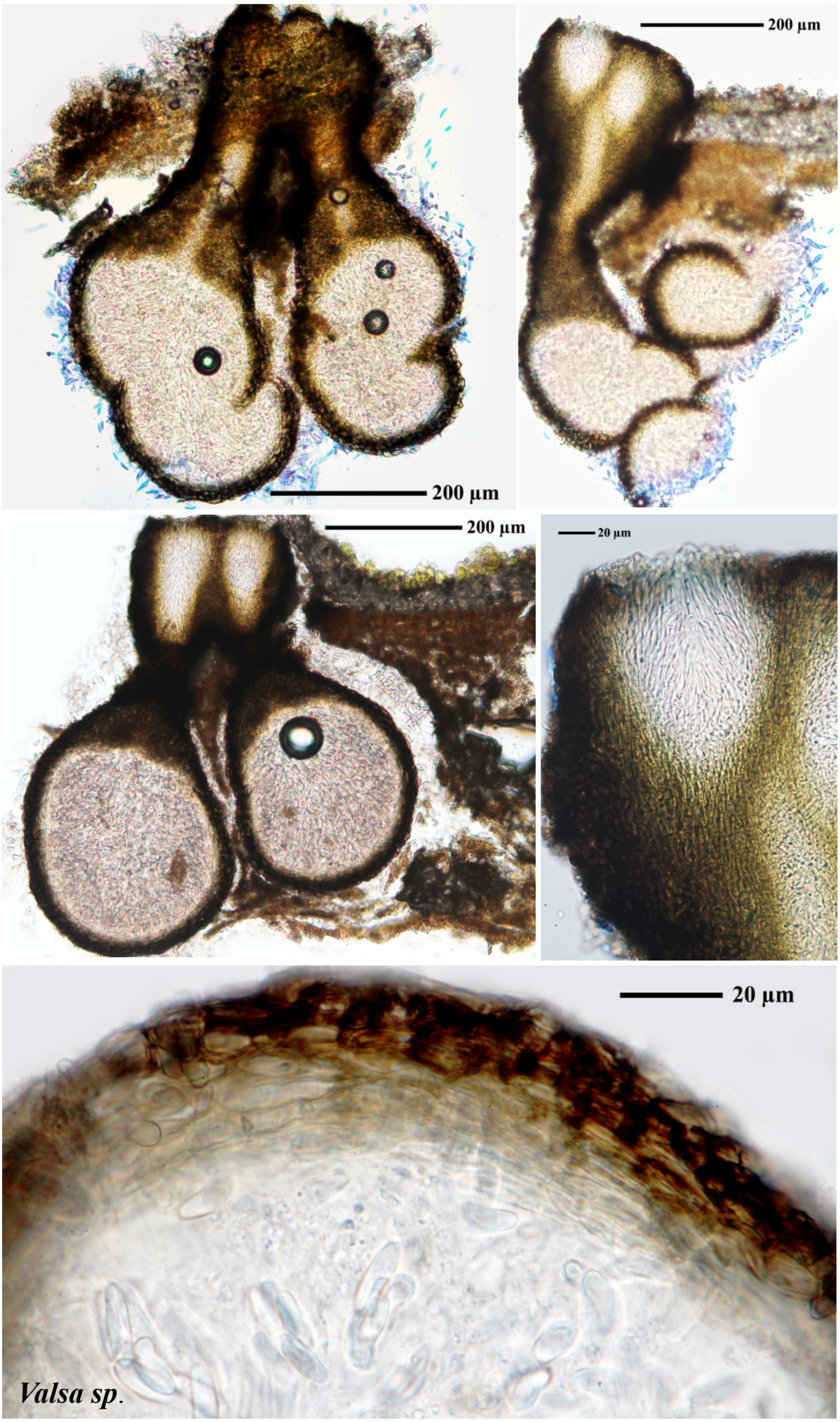
Sporen hyalin,1-zellig, gerade bis leicht gebogen, 14-17.5 x 3.5-4.5 µm, 8/Ascus. Hamathecium ohne Paraphysen. Asci an der Spitze J-.

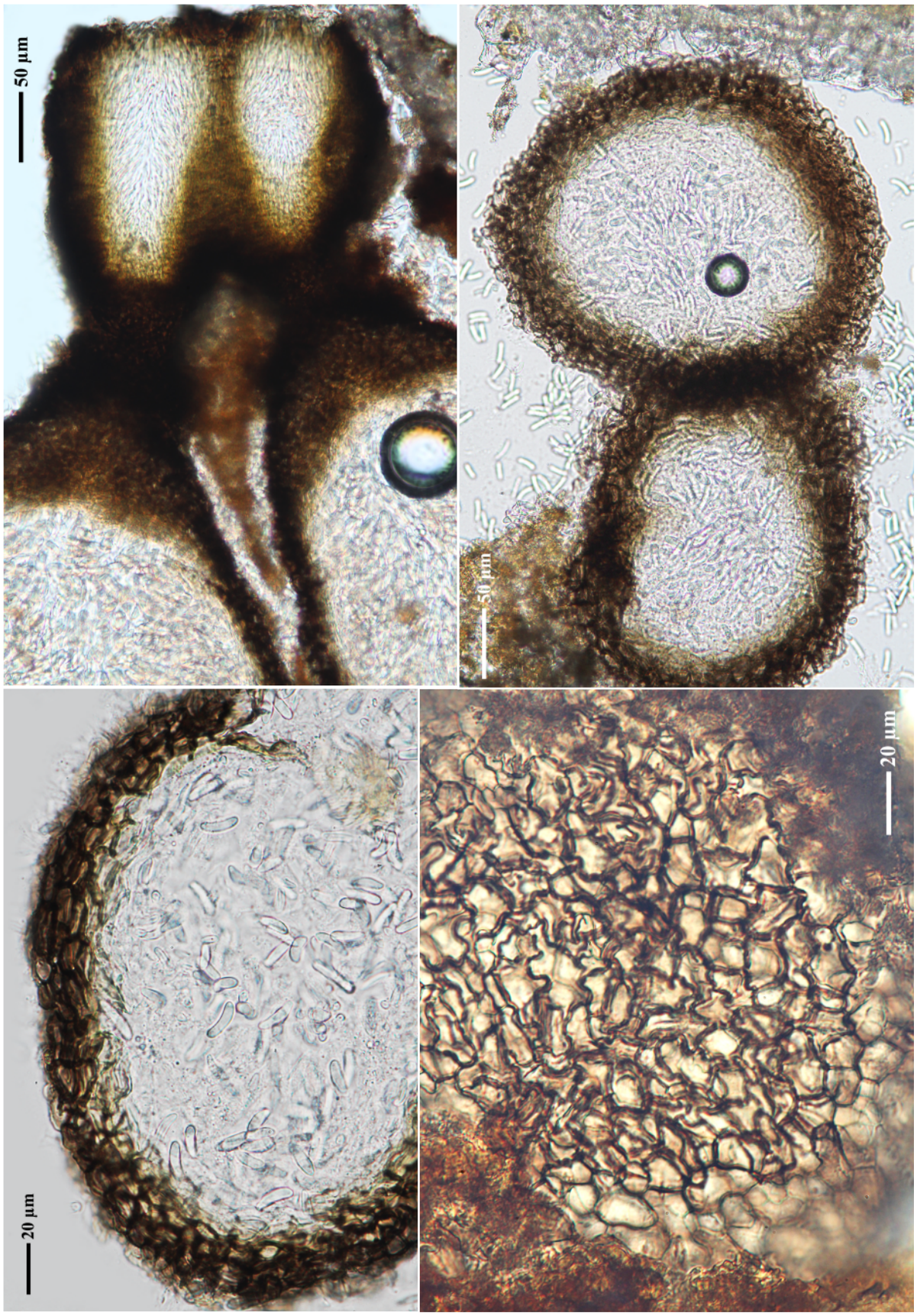
[19773], Germany, Kreis Göppingen, Rechberghausen, auf Rinde eines dünnen abgestorbenen Laubbaumastes (Fraxinus ?) am Bach deim Staufers Edeka-Markt. 48.72888° N, 9.64236° E, 331 m. Leg. F. Schumm 5.3.2018. (begleitende Flechte *Lecania naegelii*)



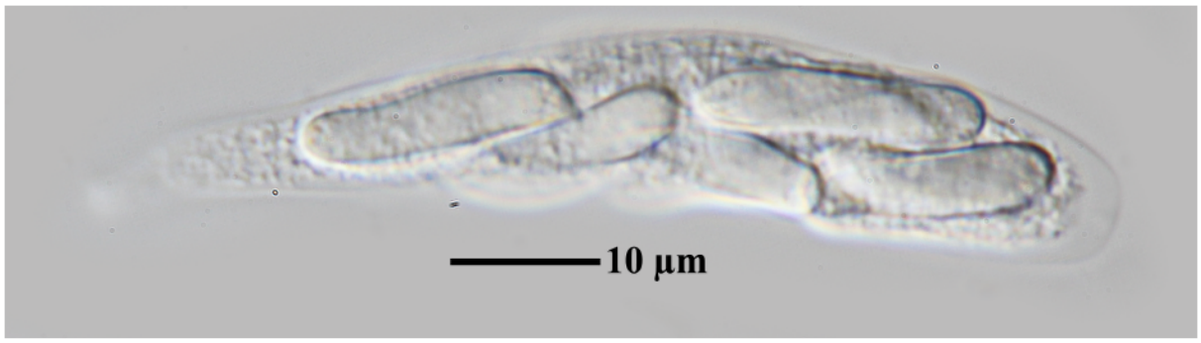


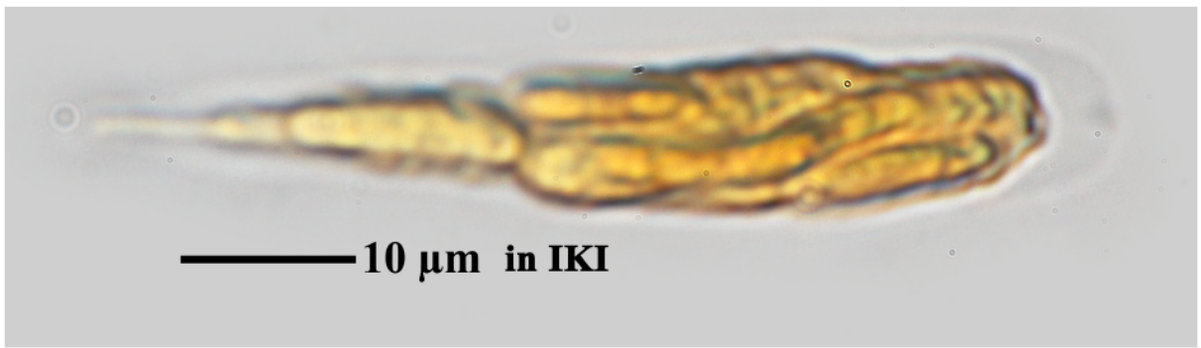
Valsa sp.


200 µm
200 µm
200 µm
20 µm
20 µm
Valsa sp.



Valsa sp.









Valsa sp.

Index

[
[12654]..... 101
[12758]..... 106
[18468]..... 27
[18469]..... 34
[18470]..... 138
[18471]..... 19
[18493]..... 38
[18494]..... 134
[18516]..... 90
[18579]..... 111
[18580]..... 73
[18581]..... 7
[18582]..... 11
[18583]..... 16
[18584]..... 81
[19306]..... 127
[19453]..... 120
[19773]..... 147
[19774]..... 2
[19775]..... 84
[19776]..... 77
[3998]..... 1
[7223]..... 43
A
Alternaria tenuissima (Kunze) Wilshire..... 19
B
Bertia moriformis (Tode) De Not..... 1
Biscogniauxia sp..... 2
Bisporella citrina (Batsch) Korf & S.E. Carp..... 5
Bisporella confluens (Sacc.) Korf & Bujak..... 5
Bulgaria inquinans Fr..... 7
C
Creopus gelatinosus (Tode ex Fr.) Link..... 11
Cyathus striatus (Huds. ex Pers.) Willd. ex Pers..... 16
D
Dasyscyphus virgineus (Batsch) S.F.Gray..... 86
E
Epicoccum purpurascens Ehrenb..... 19, 23
Erysiphe convolvuli De Candolle..... 27

Erysiphe ranunculi Greville..... 34
G
Gymnosporangium sabinae (Dicks.) Winter..... 38
H
Helvella crispa (Scop.) Fr..... 42
Hyalorbilia inflatula (P. Karst.) Baral & G. Marson..... 43
Hyaloscypha albohyalina var. spiralis (Vehlen) Hutinen..... 55
Hyaloscypha spiralis (Vehlen) Baral..... 55
Hyaloscypha vitreola (P. Karst.) Boud..... 59
Hymenoscyphus calyculus (Sow. ex Fr.) Phill..... 73
Hypoxylon fuscum (Pers. ex Fr.) Fr..... 77, 81
Hysterium pulicare Pers. ex Mérat..... 84
L
Lachnum virgineum (Batsch.) P.Karst..... 86
Lasiosphaeria ovina (Fr.) Ces. & De Not..... 90, 97
M
Microsphaera alphitoides Griffon & Maublanc..... 101
Microsphaera hypophylla Nevodovskij em. Roll-Hansen..... 106
N
Nectria cinnabarina (Tode ex Fr.) Fr..... 111
P
Phytophtora infestans (Mont.) De Bary..... 117
Puccinia malvacearum Bertero ex Mont..... 120
R
Rhytisma acerinum (Pers.) Fr..... 124
S
Stictis sp. [19306]..... 127
U
Uncinula bicornis (Wallr. ex Fr.) Lév..... 134
Uncinula necator (Schweinitz) Burill..... 138, 144
V
Valsa sp..... 147, 148, 149, 150, 151