

№ 181

Tomentella umbrinella
(Bourdot & Galzin) M.P. Christ.

Figures 1–5

Tomentella spongiosa subsp. *umbrinella* Bourdot & Galzin 1924 [1 : 154]
PC! $\equiv$ *Tomentella umbrinella* (Bourdot & Galzin) M.P. Christ. 1960 [2 : 299] $\equiv$ *Thelephora umbrinella* (Bourdot & Galzin) Zmitr., Shchepin, Volobuev & Myasnikov 2018 [3 : 368]

Basidiome loosely adherent, tomentose, soft membranaceous, up to 1 (1.2) mm thick.

Hymenophore smooth, finely discontinuous, irregularly porulose, uniformly dark to very dark brown (10YR 3/2) slightly discolour toward the margin and in younger parts (10YR 4–5/2–3).

Subhymenium not or slightly thickening, up to 0.05 (0.1) mm thick.

Subiculum well developed, thick, tomentose to soft membranaceous, concolour with the fertile surface.

Rhizomorphs common, present in subiculum and at the margin, up to 0.1 (0.2) mm thick, soft fibrous, brown to dark brown.

Hyphal system monomitic; all hyphae with mostly fibulate primary septa; scattered simple or adventitious septa scattered in subicular and rhizomorphal hyphae.

Subicular hyphae regular, (2.5) 3–5 (5.5) μm , with thickening wall to thick walls 0.4–0.8 (1) μm , brownish.

Subhymenial hyphae regular, without widened segments or large cells, 3–5.5 (6) μm , thin-walled, pale to light brown.

Rhizomorphs with simple structure, build up by regular hyphae like the subicular ones, (2.5) 3–5.5 (6.5) μm in diam., with thickening wall, brownish.

Cystidia absent.

Basidia rare because of the partly collapsed hymenium; immature subcylindrical, ellipsoid, ventricose, 4.5–15 μm diam, not embedded in subhymenium; mature basidia subcylindrical with a slight median compression, somewhat utriform or ventricose, narrowed at the base, 50–70 μm

long, 13–15 μm wide at apex, 10–15 μm at the lower middle, subhyaline to light yellowish brown or brownish; 4 sterigmata up to 8 μm long and 2–3 μm wide at the base.

Basidiospores with almost regular to slightly sinuous outline, echinulate, without crowns, often with a large guttula, light brown to brown; (6.5) 7–8.5 (8.8) μm long; **lateral face** more or less ellipsoid to obliquely ovoid, with slightly flattening adaxial side, 5.5–6.5 (7) μm diam, $Q = 1.17$ – 1.38 ; **frontal face** broadly ellipsoid to broadly ovoid, 6–7 (7.5) μm , $Q = 1.06$ – 1.2 ; in **polar** view more or less globose.

Aculei up to 0.8 (1) μm long and 0.4–0.6 μm wide at the base, slightly tapering, single or rarely paired at the base, unevenly distributed.

Apiculus lateral near the base in side view, 1.2–1.5 μm across, inamylloid; hilum indistinct.

Macrospores not seen.

Chlamydospores absent.

Incrustation: absent.

Chemical reactions: IKI—. CB: not tested. KOH—.

Specimen examined

FRANCE — Aveyron — Carrières, on stones, leg. A. Galzin, X.1917, lectotype of *Tomentella spongiosa* subsp. *umbrinella* Bourdot & Galzin (PC: Bourdot 22627, Galzin 22845)

Materials and methods

Specimens sampling and methodological details are described separately in this issue:

Excerpts from *Crusts & Fells*, n° 0

References

- [1] BOURDOT, H. AND GALZIN, A. (1924). ‘Hyménomycètes de France. X. Phylactériés’. *Bulletin de la Société Mycologique de France*, 40 (1-2): 105–162
- [2] CHRISTIANSEN, M.P. (1960). ‘Danish resupinate fungi, part II. Homobasidiomycetes’. *Dansk Botanisk Arkiv*, 19 (2): 60–388
- [3] ZMITROVICH, I.V. ET AL. (2018). ‘Basidiome reduction in litter-inhabiting Thelephorales in boreal forest environments: morphological and molecular evidence’. *Current Research in Environmental & Applied Mycology*, 8 (3): 360–371. DOI: [10.5943/cream/8/3/7](https://doi.org/10.5943/cream/8/3/7)

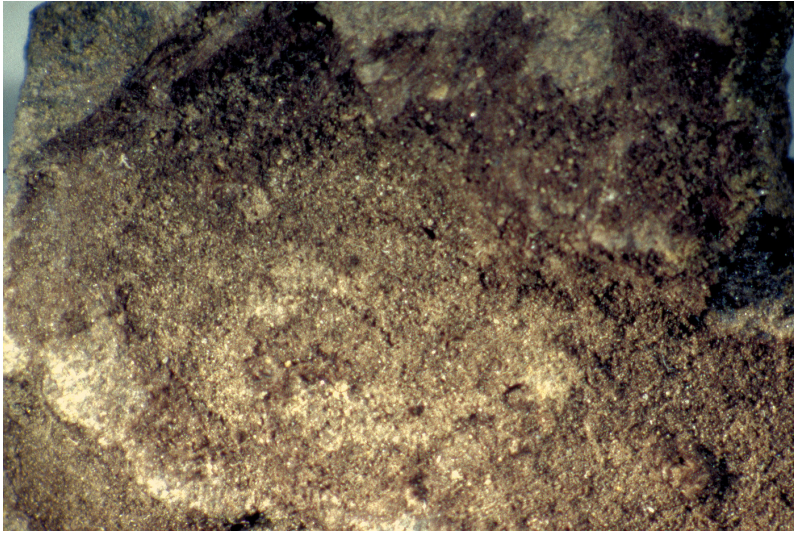


Fig. 1: Basidiome; ex lectotype of *Tomentella spongiosa* subsp. *umbrinella* Bourdot & Galzin. Image width = 12 mm [PC: Bourdot 22627, Galzin 22845]

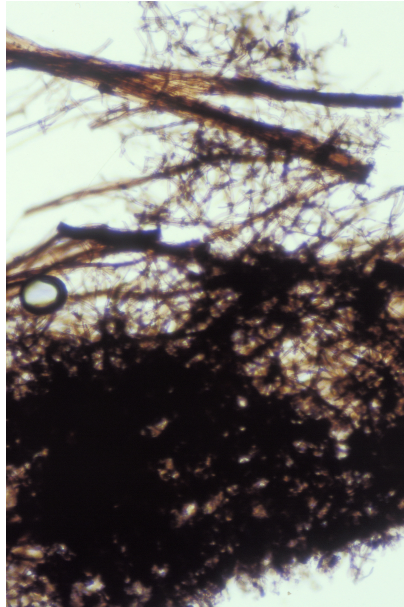


Fig. 2: Vertical section through the basidiome showing the rhizomorphs in subiculum; ex lectotype of *Tomentella spongiosa* subsp. *umbrinella* Bourdot & Galzin [PC: Bourdot 22627, Galzin 22845]



Fig. 3: Basidia, subhymenial and subicular hyphae; ex lectotype of *Tomentella spongiosa* subsp. *umbrinella* Bourdot & Galzin. Bar = 10 μ m [PC: Bourdot 22627, Galzin 22845]

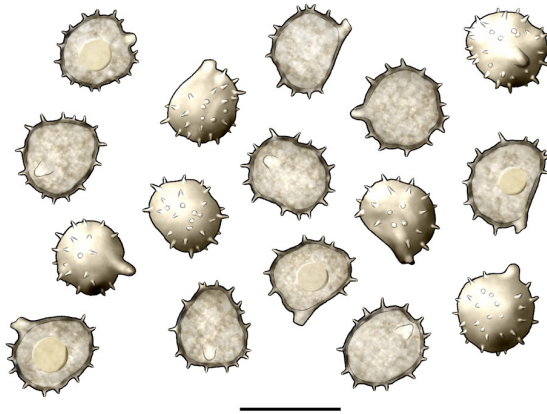


Fig. 4: Basidiospores; ex lectotype of *Tomentella spongiosa* subsp. *umbrinella* Bourdot & Galzin. Bar = 10 μm [PC: Bourdot 22627, Galzin 22845]

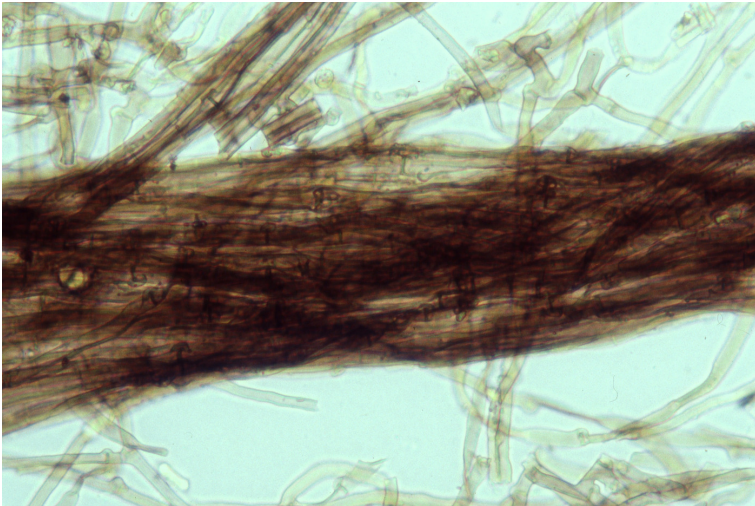


Fig. 5: Rhizomorph, in KOH; ex lectotype of *Tomentella spongiosa* subsp. *umbrinella* Bourdot & Galzin [PC: Bourdot 22627, Galzin 22845]



Excerpts from *Crusts & Tells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

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