

№ 191

Thelephora donkii

(Litsch.) Kõljalg, I. Saar & Svantesson

Figures 1–4

Tomentella donkii Litsch. 1941 [3 : 372] L! $\equiv$ *Thelephora donkii* (Litsch.) Kõljalg, I. Saar & Svantesson 2024 [1 : 73]

Basidiome effused, when dry adherent, tufted to somewhat compact, up to 0.1 mm thick.

Hymenophore mostly discontinuous, granulose, in small parts becoming more continuous and smooth, when fresh ‘*Drab gray, somewhat smoky*’ teste Donk in Litschauer (1941), when dry brown, 10YR 4/4 (3).

Subiculum almost lacking, araneous, indistinct from the fertile area.

Margin indeterminate, thinning out, pruinose to araneous.

Rhizomorphs absent.

Hyphal system monomitic; all hyphae with fibulate primary septa, scattered simple or adventitious septa may be present in subicular hyphae.

Subicular hyphae few, regular, 2–3 μm wide, with slightly thickening walls, subhyaline to pale yellowish brown.

Subhymenial hyphae regular, 2.5–4 μm diam, branched from clamps, thin-walled, hyaline to pale yellowish.

Cystidia absent.

Basidia clavate, sinuous, 35–45 (50) μm long, 6.5–7.5 μm wide at top, 5–7 μm at the lower middle, hyaline to pale yellowish, often with pale yellowish brown content; 4 sterigmata up to 6 μm long and 1.4–2 μm wide at the base.

Basidiospores with regular outline or almost so, echinulate, without distinct guttulae (but indicated in the original diagnosis), yellowish-brown; (6.2) 6.4–[7.05]–7.6 (8) μm long; **lateral** face broadly ellipsoid, (5.4) 5.6–[6.18]–6.8 (7) μm wide, $Q = (1.03) 1.07$ –[1.14]–1.21 (1.23), adaxial side convex; **frontal** face mostly subglobose, isodiametric, (5.8) 6–[6.76]–7.4 (7.6) μm wide, $Q = (0.97) 1.00$ –[1.05]–1.10 (1.13); in **polar** view globose.



Fig. 1: Basidiome; ex holotype of *Tomentella donkii* Litsch. Image width = 12 mm [L 0053439, Donk 3692]

Aculei 0.8–1.6 μm long and 0.3–0.6 (0.8) μm wide at the base, terete, tapering, single or rarely paired at the base, mostly unevenly distributed.

Apiculus subcentral to lateral toward the base in side view, distinct, 1–1.6 μm across, inamyloid; hilum often distinct.

Macrospores rare, not differentiated, about $9 \times 7.5 \mu\text{m}$ in side view.

Chlamydospores absent.

Incrustation: none evident.

Chemical reactions: IKI: —. CB: — or doubtful. KOH: basidia and subhymenial hyphae turning distinctly umbrinous, lilac, bluish or bluish-black in contact with air.

Specimen examined

SWEDEN — **Uppland** – Nosten, on bark of a decayed branch of *Populus* sp., leg. M.A. Donk, 16.IX.1932, holotype of *Tomentella donkii* Litsch. (L 0053439, Donk 3692)

Materials and methods

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

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Fig. 2: Basidiome; ex holotype of *Tomentella donkii* Litsch. Image width = 12 mm
[L 0053439, Donk 3692]

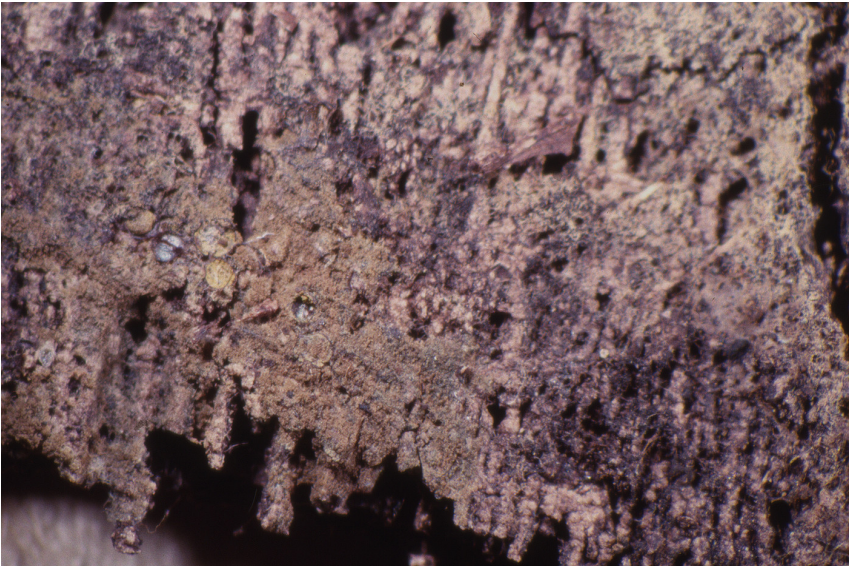


Fig. 3: Basidiome; ex holotype of *Tomentella donkii* Litsch. Image width = 12 mm
[L 0053439, Donk 3692]

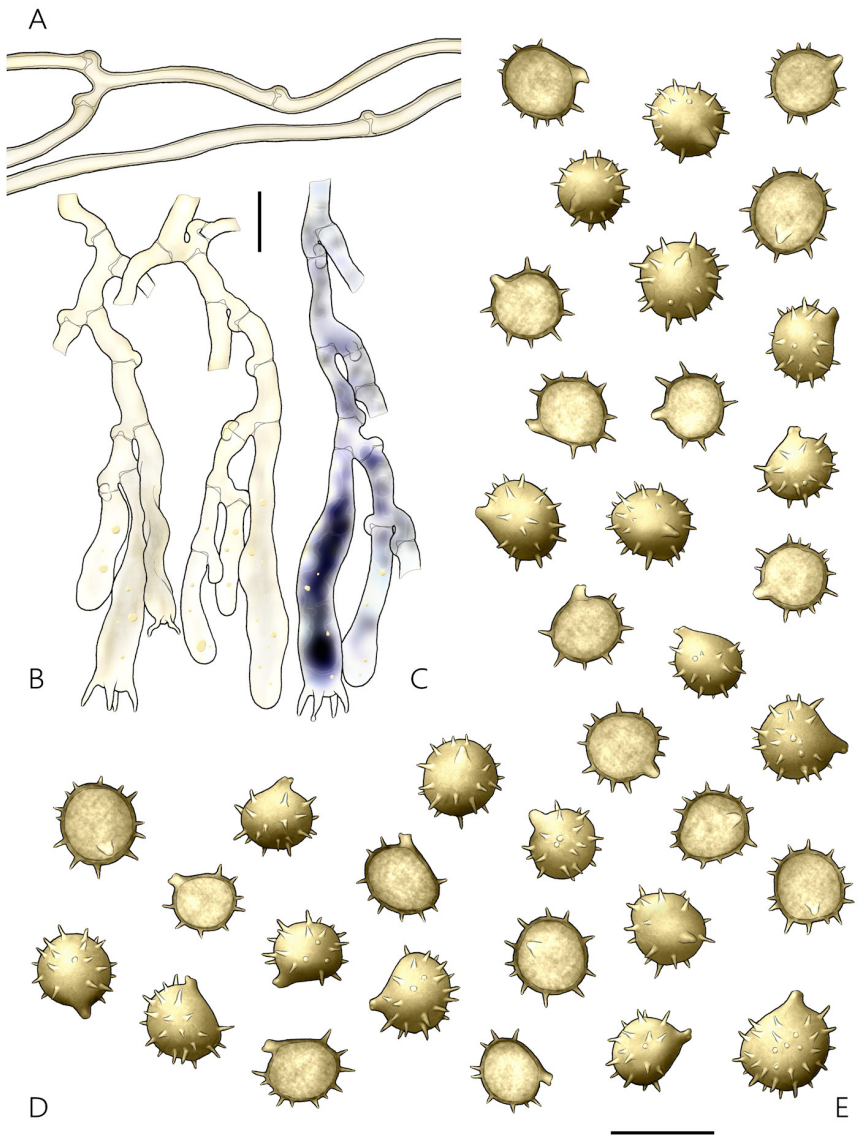


Fig. 4: A) Subicular hyphae. B) Basidia and subhymenial hyphae in water. C) Basidia and subhymenial hyphae in KOH with air contact. D) Basidiospores. E) Macrospore. Ex holotype of *Tomentella donkii* Litsch. Bar = 10 μ m [L 0053439, Donk 3692]

References

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Excerpts from *Crusts & Tells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

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