

Dentipratulum bialoviesense

Domanski

Figures 1–4

Dentipratulum bialoviesense Domanski 1965 [2 : 6]

Basidiome (dry) build up by separate to slightly crowded or infrequently conrescent aculei without a noticeable subiculum.

Aculei pendent, conical, subulate, up to 0.8 mm long and 0.1–0.2 mm wide, pruinose or slightly pubescent at the base, smooth toward the apex, soft ceraceous, yellowish when dry, often paler at the base.

Hymenium rather discontinuous, built up by a simple, loose layer of basidia and basidioles over a scanty or almost absent subhymenium, which grows over a palisade of crowded gloeocystidia.

Hyphal system monomitic; all hyphae with fibulate primary septa.

Tramal hyphae tightly packed, more or less indistinct and parallelly arranged in the middle, 1.5–3.5 (4) μm , with thin or slightly thickening wall at the base of aculei.

Subhymenial hyphae scanty, regular, (1) 1.5–2.5 μm in diam., thin-walled, hyaline.

Gloeocystidia frequent, normally packed between the centre of aculei which is formed by generative hyphae and the outer discontinuous hymenium, up to 250 (more?) \times (4) 5–8 (10) μm , filled with pale yellowish oily matter, ending as enclosed or slightly projecting fusoid or tapering elements in hymenium or progressively thinning at the top of the aculei.

Leptocystidia in hymenium absent.

Basidia suburniform with a slightly tapering base, (12) 15–20 \times 4–5 μm ; 4 sterigmata up to 3 μm long.

Basidiospores subglobose to ellipsoid, 3.5–5 \times 3–4 μm , normally smooth or finely asperulate, rarely with distinct very small warts up to 0.15 μm long and 0.3 μm wide, with thickening wall, hyaline.

Incrustation: rather numerous irregularly prismatic crystals present at the base of aculei and along their length.



Fig. 1: Dried basidiome(s). Image width = 9 mm [gg-188, LUG 19385]

Chemical reactions: IKI: spores amyloid. CB— . SA: gloeocystidia sulphopositive.

Comments

After the publication of the important article by Karasiński and Piatek (2017), the collection was restudied to search for the presence of leptocystidia, check dimensions of spores and warts on their surface. More precise spores dimensions than those given in the description are: $3.6\text{--}4.2\text{--}5 \times 3.0\text{--}3.4\text{--}4 \mu\text{m}$, $Q = 1.09\text{--}1.24\text{--}1.41$ [$n = 81$], and are relatively different from those given in the cited article for either *D. bialoviesense* and *crystallinum*.

It is worth noting that in little more than 100 km of distance between Landes and Pyrénées-Atlantiques, Gilles found both species.

Specimens examined

FRANCE — **Landes** – Pontonx-sur-l'Adour, on lying, decayed wood of *Alnus glutinosa*, leg. G. Gilles, 18.VIII.1985 (gg-188, LUG 19385)

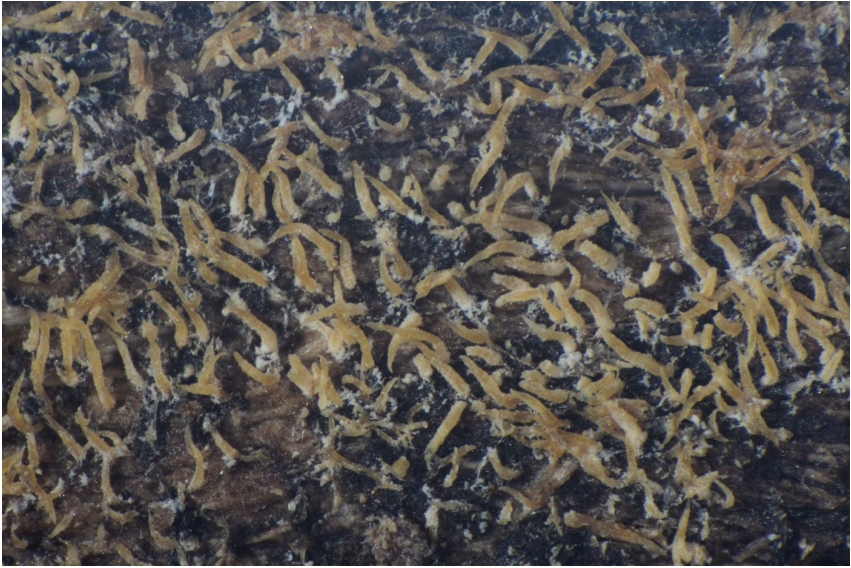


Fig. 2: Dried basidiome(s). Image width = 4.7 mm [gg-188, LUG 19385]

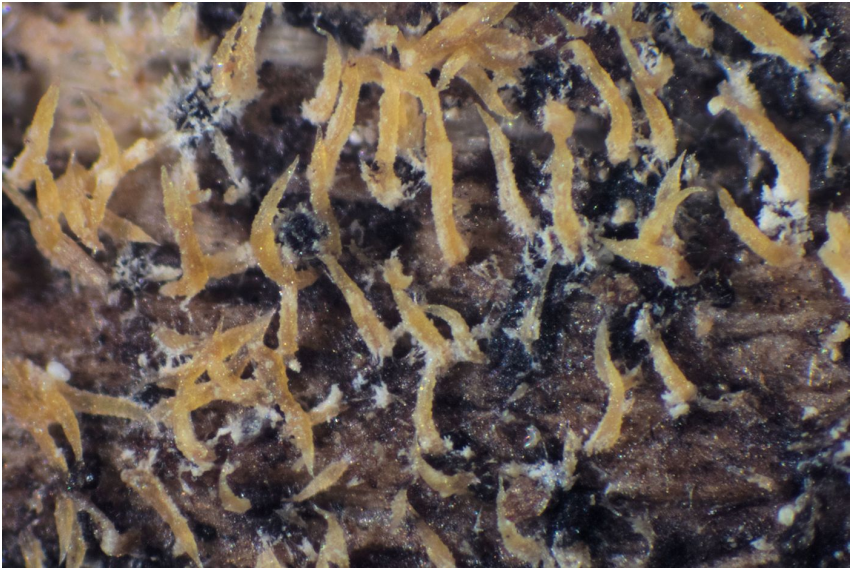


Fig. 3: Dried basidiome(s). Image width = 2.4 mm [gg-188, LUG 19385]

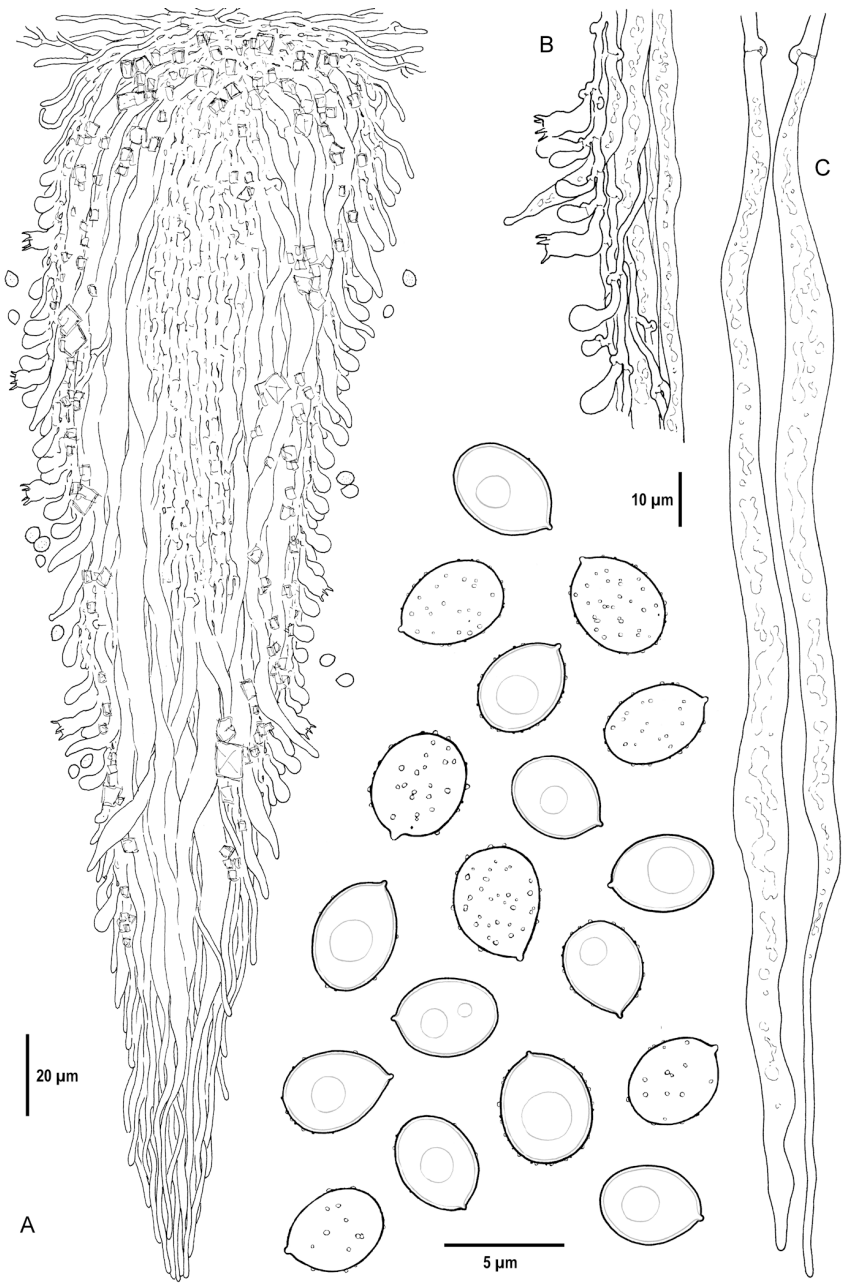


Fig. 4: A) Section through an aculeus. B) Hymenial elements. C) Gloeocystidia. D) Basidiospores [gg-188, LUG 19385]

Materials and methods

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

Excerpts from *Crusts & Fells*, n° 0

References

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- [2] DOMANSKI, S. (1965). 'Wood-inhabiting fungi in Bialowieza virgin forest in Poland II. The mucronelloid fungus of the *Hericium*-group *Dentipratulum bialoviense*, gen. et sp. nov'. *Acta Mycologica*, 1: 5–11. URL: <http://www.cybertruffle.org.uk/cyberliber/59731/index.htm>
- [3] KARASIŃSKI, D. AND PIATEK, M. (2017). 'The genus *Dentipratulum* (Russulales, *Auriscalpiaceae*): comparative morphology and SEM imaging spore ornamentation split one into three species'. *Mycological Progress*, 16 (2): 109–116. DOI: [10.1007/s11557-016-1263-z](https://doi.org/10.1007/s11557-016-1263-z)



Excerpts from *Crusts & Tells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

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