

Dendrothele jacobi

Duhem & H. Michel

Figures 1–5

Dendrothele jacobi Duhem & H. Michel 2007 [551980]

Basidiome (dry) discontinuous in distinct small patches, effused, adherent, slightly plaster-like to membranaceous or soft crustose, up to 0.1 mm thick.

Hymenophore smooth, continuous, pruinose to finely pubescent, white to cream with some spots or parts becoming very pale yellowish-brown.

Subhymenium slightly thickening, relatively compact.

Subiculum very thin, indistinct, compact.

Margin abrupt or very shortly thinning out, very finely pubescent to pruinose, concolour with the hymenium.

Hyphal system monomitric; all generative hyphae indistinctly fibulate.

Subicular hyphae irregular, sinuous, richly branched, 1–3 (5) μm wide, thin-walled, hyaline.

Subhymenial hyphae regular to irregular, sinuous, often branched, crowded, 1–2.5 (5) μm in diam., thin-walled, hyaline.

Cystidia absent.

Dendrohyphidia frequent in hymenial layer, 1–2 μm wide, starting from subhymenial hyphae and sometimes also from the middle-lower part of basidia and basidioles, thin-walled, hyaline.

Basidia (pleurobasidia) when immature vesicular to cylindrical often with a light median compression, when mature more or less cylindrical with a light median compression, often slightly swollen toward the base, normally bi- to three-rooted, 30–50 $\times$ 8–12 μm , thin-walled, hyaline; 4 sterigmata up to 10 μm long and 3–4 μm wide at the base.

Basidiospores turbinate, with 2–4 (5) large conical protuberances and a similar apiculus, 14–19 $\times$ 7.5–14 μm (outgrowths included), thin-walled, hyaline, with numerous pale yellowish oil drops.



Fig. 1: Dried basidiomes. Image width = 34 mm [CFMR KKN-2012-16]

Incrustation: a lot of subhyaline to yellowish crystals is present in subiculum and subhymenium. Dendrohyphidia and often subhymenial hyphae strongly incrustated by very fine granular material.

Chemical reactions: IKI—. CB—. KOH—.

Specimen examined

USA — Illinois — Warsaw, Kibbe Life Science Station, Hancock Co., on bark, leg. K.K. Nakasone, 22.IX.2012 (CFMR KKN-2012-16)

Materials and methods

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

Excerpts from *Crusts & Fells, n° 0*



Fig. 2: Detail of the hymenophore and margin (dried specimen). Image width = 9 mm [CFMR KKN-2012-16]



Fig. 3: Detail of the hymenophore and margin (dried specimen). Image width = 9 mm [CFMR KKN-2012-16]

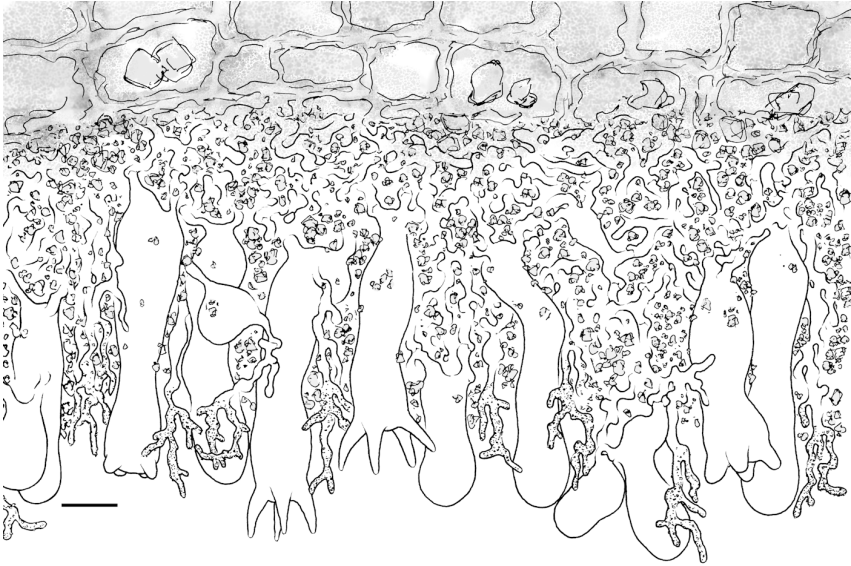


Fig. 4: Simplified vertical section through the basidiome. Basidiospores. Bar = 10 μm [CFMR KKN-2012-16]

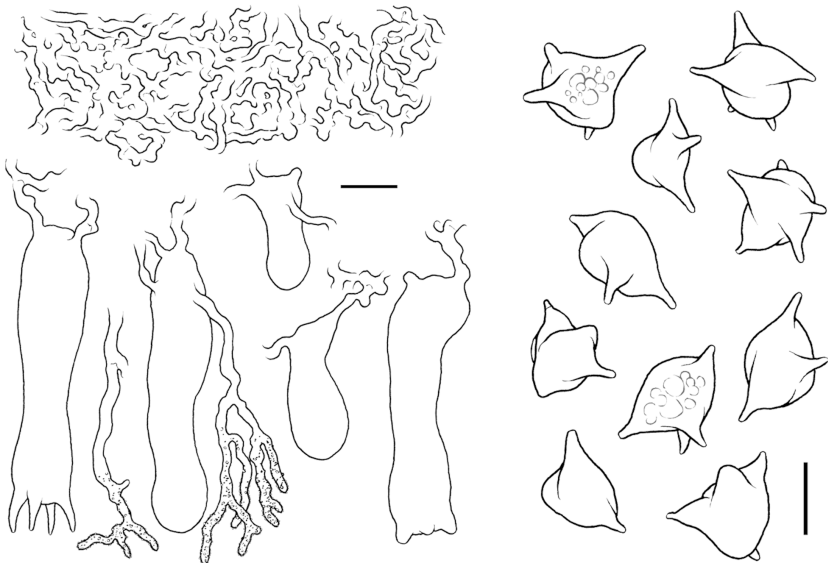


Fig. 5: Basidia, dendrohyphidia, subicular hyphae, basidiospores. Bar = 9 μm [CFMR KKN-2012-16]



Excerpts from *Crusts & Tells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

Authored and published by

ELIA MARTINI
Via ai Ciòss 21
CH-6676 Bignasco
Switzerland

Email: emart@aphyllo.net
<https://www.aphyllo.net>
Orcid: 0000-0002-4709-2964



Issue № 201:

Dendrothele jacobi Duhem & H. Michel

Released on: 1st September, 2026

© E. Martini

This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/) (CC BY 4.0)

