

*Kavinia alboviridis*

Figures 1–6

*Hydnum alboviride* Morgan 1887 [11 : 12] ≡ *Oxydontia alboviridis* (Morgan) L.W. Mill. 1933 [9 : 294] ≡ *Mycoacia alboviride* (Morgan) L.W. Mill. & J.S. Boyle 1943 [10 : 43] ≡ *Kavinia alboviridis* (Morgan) Gilb. & Budington 1970 [7 : 95]

= *Clavaria bourdotii* Bres. 1908 [1 : 45] teste Donk [4] ≡ *Kavinia bourdotii* (Bres.) Pilát 1960 [3 : 330]

= *Caldesiella sajanensis* Pilát 1936 [14 : 329] teste Christiansen [2] and Eriksson [5], pro syn. ≡ *Kavinia sajanensis* (Pilát) Pilát 1938 [15 : 3]

= *Hydnum chlorascens* Pat. 1902 [13 : 50] teste Nakasone [12]

**Basidiome** effused, loosely adherent, hydroid.

**Aculei** narrowly conical, terete, subceraceous, rather soft and fragile when dry, up to 2 mm long and 0.2 (0.3) mm wide at the base, often in clusters, white at start then olivaceous, mustard yellow; apex sterile, subulate, smooth, often paler.

**Subiculum** araneose to cottony, loose, thin, sterile.

**Margin** distinct, byssoid or fibrillose, whitish.

**Rhizomorphs** frequent in subiculum, at the margin and in cracks of the substrate, soft, cottony, up to 0.2 (0.3) µm thick, branched, white.

**Hyphal system** monomitic; all hyphae with fibulate primary septa.

**Subhymenial hyphae** almost regular, (1) 1.5–2.5 (3) µm, thin-walled, hyaline.

**Tramal hyphae** regular, parallelly arranged, distinct, 1.5–5 µm, thin-walled, hyaline.

**Subicular hyphae** (1.5) 2–3.5 µm, sometimes ampullate at septa up to 8–9 µm, with thin or thickening wall, hyaline.

**Rhizomorphs** simple, built up by hyphae like the subicular ones and a few with irregular outline and guttulate yellowish content.

**Cystidia** absent.



Fig. 1: Basidiome. Image width = 30 mm [em-12242]

**Basidia** clavate,  $22\text{--}26 \times 5\text{--}6 \mu\text{m}$ ; 4 sterigmata up to  $4 \mu\text{m}$  long.

**Basidiospores** narrowly ellipsoid to subfusiform, tapering and slightly curved toward the apiculus in side view, (7)  $7.5\text{--}9.5$  (10)  $\times 3\text{--}4$  (4.2)  $\mu\text{m}$ ,  $Q = 2\text{--}2.8 \mu\text{m}$ , finely verrucose, asperulated, with thickening wall, yellowish.

**Chemical reactions:** IKI–; CB: spore ornamentation cyanophilous, spores and hyphae lightly or doubtfully cyanophilous.

**Incrustation:** almost none in aculei, common in subiculum and rhizomorphs as irregular, hyaline prismatic crystals.

## Specimens examined

SWITZERLAND — **Ticino** – Dalpe, Motto d'Orlascio, on wood of a strongly decayed trunk of *Picea abies*, leg. E. Martini, 5.VI.1993 (em-3495) – Sabbione, on bark of a lying, decayed branch of *Tilia cordata*, leg. E. Martini, 19.VIII.2014 (em-12242)



Fig. 2: Detail of the hydroid hymenophore and margin. Image width = 9 mm [em-12242]



Fig. 3: Detail of the hydroid hymenophore. Image width = 9 mm [em-12242]



Fig. 4: Rhizomorphs at the margin. Image width = 9 mm [em-12242]

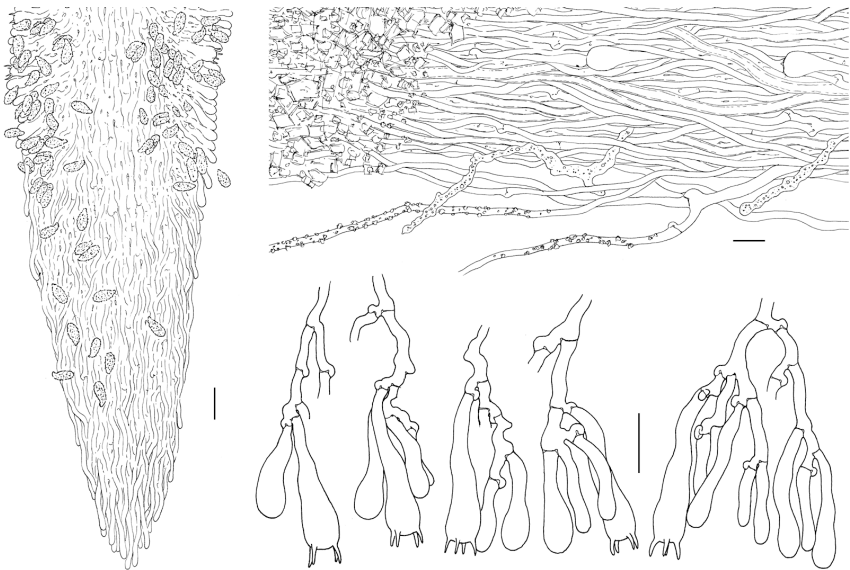


Fig. 5: Left: section of the tip of an aculeus. – Top right: section of a rhizomorph. – Bottom: basidia, basidioles and subhymenial hyphae. Bar = 10  $\mu$ m [em-12242]



Fig. 6: Basidiospores. Bar = 10  $\mu\text{m}$  [em-12242]

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# Excerpts from *Crusts & Jells*

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Authored and published by

ELIA MARTINI  
Via ai Ciòss 21  
CH-6676 Bignasco  
Switzerland

Email: [emart@aphyllo.net](mailto:emart@aphyllo.net)  
<http://www.aphyllo.net>



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