

Piloderma fallax

(Lib.) Stalpers

Figures 1–5

Sporotrichum fallax Lib. 1832 [4 : 2 : no. 187] ≡ *Piloderma fallax* (Lib.)
Stalpers 1984 [8 : 53]

= *Piloderma croceum* J. Erikss. & Hjortstam 1981 [1 : 1201] teste Larsen
et al. [3]

= *Corticium bicolor* Peck 1873 [6 : 62] teste Larsen et al. [3] ≡ *Athelia*
bicolor (Peck) Parmasto 1967 [5 : 379] ≡ *Piloderma bicolor* (Peck) Jülich
1968 [2 : 417]

Basidiome effused, separable, hypochnoid to submembranaceous, fragile
when dry, up to 0.3 (0.5) mm thick.

Hymenophore at first discontinuous, pruinose, finely tufted, then be-
coming continuous, smooth, very thin, pelliculose, crustose and fragile
when dry, and often more or less detachable from the subiculum, whitish
to cream.

Subiculum distinct, byssoid to fibrose, yellow to dull yellow.

Margin normally sterile and indefinitely thinning out, araneose to fibril-
lose, rarely fimbriate.

Rhizomorphs normally present in subiculum, margin and cracks of the
substratum, up to 0.1 (0.2) mm, often fasciculate in wider stands, soft
and fragile, bright yellow to infrequently yellow-orange.

Hyphal system monomitic; all septa without clamps.

Subhymenial hyphae regular, 2–3 (3.5) µm in diam., soon relatively
long-celled, often cross-branched, thin-walled, hyaline.

Subicular hyphae regular, (1.5) 2–2.5 (3) µm in diam., loosely arranged,
branched at wide angles, often with simple or 1-septate anastomoses, with
thin or slightly thickening wall, hyaline to light yellow.

Rhizomorphs simple, build up by hyphae like the subicular ones, more
or less compactly arranged.

Cystidia absent.

Basidia clavate to subcapitate, 13–16×3–4 (5) μm , hyaline; 4 sterigmata up to 3 μm long.

Basidiospores subglobose to broadly ellipsoid, sometimes slightly obovoid, (2.5) 2.8–3.5 (3.8)×2.2–3 (3.1) μm , $Q = 1.1$ –1.5, smooth, with thickening wall (0.3 μm), hyaline to pale yellowish, often with a large guttula.

Chemical reactions: IKI–. CB: hyphae and spores more or less distinctly cyanophilous.

Incrustation: almost all hyphae strongly encrusted by fine granular yellow(-orange) matter that dissolve almost completely in KOH and, as a rule, coarsely encrusted by up to 7–10 μm long acicular or bi-tailed needle-like ('UFO-like') pale yellow crystals that doesn't dissolve with KOH, often mixed with some granular, irregularly prismatic, rhomboid or rod-like crystals.

Voucher specimens

FRANCE — **Jura** – Bonlieu, lac de Bonlieu, on wood of a lying, strongly decayed branch of a coniferous tree, leg. E. Martini, 15.IX.2012 (em-11834) – Vicques, on wood of a lying, decayed trunk of a coniferous tree, leg. E. Martini, 30.IX.1993 (em-5392) — **Lorraine** – Philippsbourgh, Forêt domaniale de Hanau 3, parcelle H254, on wood of a lying, decayed branch of *Picea abies*, leg. E. Martini, 27.X.2009 (em-10948)

ITALY — **Trentino-Alto Adige** – Piné, Laghestel, on bark of a lying, decayed trunk of a coniferous tree, leg. E. Martini, 19.IX.1997 (em-6162)

SWITZERLAND — **Ticino** – Ascona, Monte Verità, on ferns, leg. E. Zenone, 11.II.1993 (em-3462) – Beride, on bark of a lying, hard trunk of *Castanea sativa*, leg. E. Martini, 15.IX.1988 (em-2012) – Bignasco, on wood of a lying, decayed branch of a deciduous tree, leg. E. Martini, 9.XI.1986 (em-736) – Broglio, Rima, on wood of a lying, decayed branch of *Fagus sylvatica*, leg. E. Martini, 23.V.1987 (em-1006) – Cardada, on bark of a lying, hard twig of a deciduous tree, leg. E. Martini, 6.VI.1987 (em-1048) – Fusio, Fontanalba, on lying, hard burnt wood of a coniferous tree, leg. E. Martini, 17.VIII.1985 (em-364) – Golino, on strongly decayed wood, leg. E. Martini, 6.XII.1986 (em-743) – Gordevio, Saleggio, on bark of a lying, hard trunk of *Pinus sylvestris*, leg. E. Martini, 11.X.1992 (em-3254) – Losone, Maia, on wood of a lying, strongly decayed branch of a deciduous tree, leg. E. Martini, 7.III.1987 (em-917) – Malvaglia, Piantagione, on wood of a lying, decayed stump of a coniferous tree, leg. E. Zenone, 4.XI.1993 (em-3667) – Mogno, Bosco di Casa Nuova, on bark of a lying, rather hard branch of *Larix decidua*, leg. E. Martini, 21.VII.2004 (em-8398) – Olivone, Campra, Cass, on bark of a lying, hard trunk of *Picea abies*, leg. E. Martini, 3.VI.1990 (em-2905) – Ritorto, Dréom (Valle Bavona), on wood of a lying, hard trunk of *Tilia cordata*, leg. E. Martini, 21.IV.1990 (em-2550)

Materials and methods

Specimens sampling and methodological details are described separately in this issue:
Excerpts from *Crusts & Fjells*, n° 0



Fig. 1: Basidiome [em-8398]

References

- [1] ERIKSSON, J., HJORTSTAM, K. AND RYVARDEN, L. (1981). *The Corticiaceae of North Europe, vol. 6: Phlebia - Sarcodontia*. Oslo, pp. 1051–1276
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- [3] LARSEN, M.J., SMITH, J.E. AND MCKAY, D. (1997). 'On *Piloderma bicolor* and the closely related *P. byssinum*, *P. croceum*, and *P. fallax*'. *Mycotaxon*, 63: 1–8. URL: <http://www.cybertruffle.org.uk/cyberliber/59575/index.htm>
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- [7] RAIDL, S. (1997). 'Studien zur Ontogenie an Rhizomorphen von Ektomykorrhizen'. *Bibliotheca Mycologica*, 169: 1–183
- [8] STALPERS, J.A. (1984). 'A revision of the genus *Sporotrichum*'. *Studies in Mycology*, 24: 1–105



Fig. 2: Basidiome. Image width = 60 mm [em-10948]

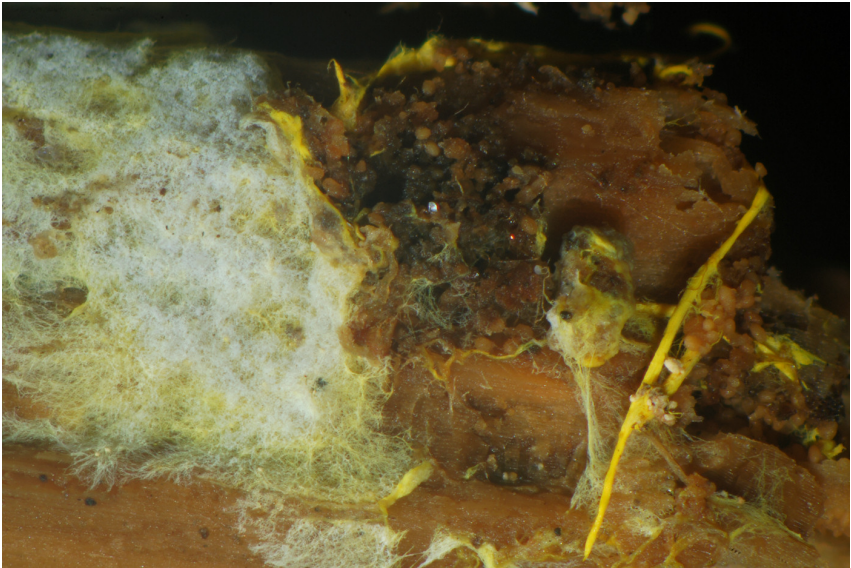


Fig. 3: Basidiome with rhizomorphs. Image width = 9 mm [em-11834]



Fig. 4: Rhizomorphs. Bar = 10 μm [em-2550]

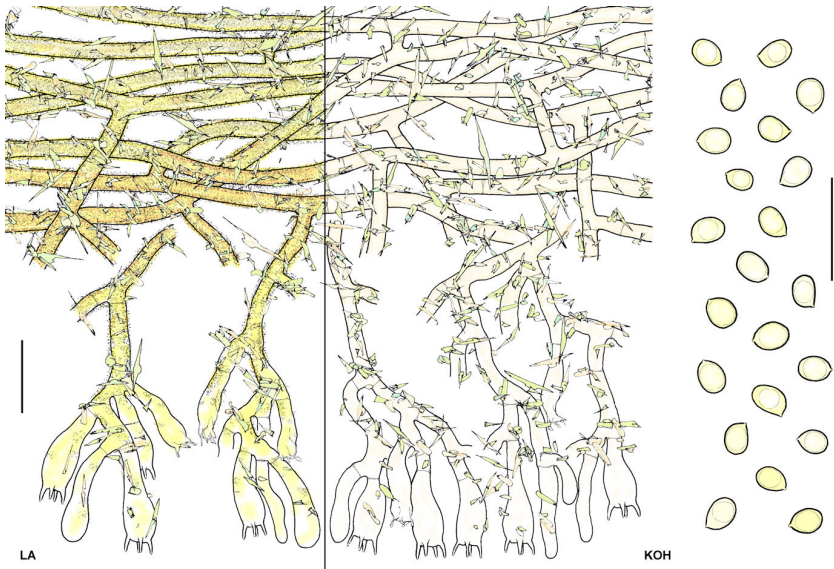


Fig. 5: Basidia, subhymenial and subicular hyphae, basidiospores (in KOH). Bar = 10 μ m [em-3254]



Excerpts from *Crusts & Jells*

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
<http://www.aphyllo.net>
Orcid: 0000-0002-4709-2964



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