

Omphalinaceae Vizzini, Consiglio & M. Marchetti, fam. nov.

IF557851

Diagnosis: Habit omphalinoid or clitocyboid, veils absent (gymnocarpic development). Pileus usually depressed at centre, dry, usually with ochre, reddish brown, rusty, vinaceous brown or orangish brown tinges. Lamellae decurrent. Spore print white to cream. Spores hyaline, wall smooth, inamyloid, cyanophobic (but with cyanophilic cytoplasm). Basidia clavate, usually 4-spored, not hygrophoroid, lacking siderophilous inner bodies. Hymenophoral trama made of intertwined hyphae. Cheilocystidia absent or present. Pleurocystidia absent. Pileipellis arranged as a cutis or a trichoderm. Pigments wall-encrusting and intracellular. Clamp-connections present.

Habitat on soil, litter, or associated with bryophytes; saprotrophic, Northern Hemisphere, mostly temperate to boreal.

Clitocybaceae Vizzini, Consiglio & M. Marchetti, fam. nov.

IF557869

Diagnosis: Habit clitocyboid, lepidoid or collybioid, veils absent (gymnocarpic development). Lamellae adnate, sinuate, emarginate to decurrent, separable or not from the pileus context. Stipe without or with conidiogenous (Tilachliopsis) branches (Dendrocollybia). Spore print white, cream to pale pink or pinkish buff. Spores hyaline, wall smooth to verruculose or spiny, inamyloid, cyanophobic or cyanophilic. Basidia clavate, usually 4-spored, not hygrophoroid, lacking siderophilous inner bodies. Hymenophoral trama regular to subregular made of parallel cylindrical hyphae without or with gelatinized elements (Lepistella). Cheilocystidia usually absent, when present then inconspicuous. Pleurocystidia absent. Pileipellis arranged as a cutis or a trichoderm, with (Singerocybe) or without swollen elements (physalides), without or with gelatinized elements (Lepistella). Clamp-connections present.

Habitat on soil, litter, or associated with dead wood (Lepistella) or with basidiomes of other species (mycosaprobic) and then usually forming small sclerotia (Collybia, Dendrocollybia); saprotrophic or mycoparasitic.