

Outlineoffungi.org - Note 1511 *Resiniaceae*

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Resiniaceae L.W. Zhou & Xue W. Wang

The monotypic family *Resiniaceae* was erected to accommodate *Resinicum* Parmasto as the type genus and *Resinicum bicolor* (Alb. & Schwein.) Parmasto as the type species based on morphology and phylogeny using nSSU, ITS, nLSU, mt-SSU, tef1 α , rpb1, and rpb2 sequences (Wang et al. 2023). In the new family *Resiniaceae*, basidiomes develop annually and present as resupinate, effused, and adnate structures. The hymenophore exhibits a smooth texture and can appear grandinoid, odontoid, or hydroid, ranging in color from white to yellowish. The hyphal system remains monomitic, with generative hyphae commonly featuring clamp connections and thin-walled structures. Cystidia exist in two forms: halocystidia, which are cylindrical with a capitate apex, and astrocystidia, adorned at the apex with a stellate cluster of hyaline crystals. Basidia adopt a clavate shape and possess four sterigmata. Basidiospores take on an ellipsoid to cylindrical shape, appearing smooth, thin-walled, hyaline, inamyloid, and acyanophilous. (Wang et al. 2023). *Resiniaceae* is classified under *Hymenochaetales* (*Agaricomycetes*, *Basidiomycota*) (Wang et al. 2023).

Reference

Wang XW, Liu SL, Zhou LW. 2023 – An updated taxonomic framework of *Hymenochaetales* (*Agaricomycetes*, *Basidiomycota*). *Mycosphere* 14(1), 452–496.

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