

## Outlineoffungi.org - Note 1437 *Strattoniaceae*

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***Strattoniaceae*** S.K. Huang, Maharachch. & K.D. Hyde

Huang et al. (2021) introduced *Strattoniaceae* to accommodate *Strattonia* Cif. as the type genus based on morphology and phylogenetic analyses using concatenated LSU, ITS, TUB and RPB2 sequence data of *Sordariales*. The genus was typified by *Strattonia tetraspora* (R. Stratton) Cif. The type species is the new combination of *Fimetaria tetraspora* and was found on rotten paper in the Dominica Republic (Huang et al. 2021). Both sexual and asexual morphs have been observed. In the sexual morph, ascomata are perithecial, coriaceous to membranaceous, pyriform to subglobose, brown to black, hairy, and ostiolate, with a black papilla and periphysate. Paraphyses are filiform-ventricose, and septate. Asci are four–eight-spored, unitunicate, cylindrical, and apex truncate or rounded, with a J-apical ring. Ascospores are uniseriate, fusiform to obovoid, hyaline to subhyaline, one-septate near the base, is rarely finely guttulate. The pedicel is short, conical, or cylindrical, hyaline, collapsing when dry, and surrounded by a gelatinous sheath. The gelatinous sheath is rounded or irregular, swelling in water, and invaginated at the pedicel, with indentations. The asexual morph is hyphomycetous and phialophora-like. Conidiophores are generated from aerial hyphae, erect, and are inflated at the base. Phialides are monophialidic, smooth-walled, hyaline, cylindrical, and unbranched or branched. Conidia are hyaline to pale yellow-colored, ellipsoidal to oval, aseptate, and smooth-walled (Huang et al. 2021). The taxonomic placement of *Strattoniaceae* is in *Sordariales*, *Sordariomycetes*, *Pezizomycotina*, and *Ascomycota* (Huang et al. 2021).

### Reference

Huang SK, Hyde KD, Mapook A, Maharachchikumbura SS, et al. 2021 – Taxonomic studies of some often-over-looked *Diaporthomycetidae* and *Sordariomycetidae*. *Fungal Diversity* 111, 443–572.

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Published online 21 June 2024