

Outlineoffungi.org - Note 717 *Proterochaete*

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Proterochaete Spirin & Malysheva

This is a monotypic genus found on rotten wood of deciduous trees (saprotrophic) ([Alvarenga et al. 2019](#)). Phylogenetic analyses based on ITS and LSU, indicated its phylogenetic position in *Auriculariales* (*Agaricomycetes*, *Basidiomycota*) ([Alvarenga et al. 2019](#)). The type species is *Proterochaete adusta* (Burt) Spirin & V. Malysheva, and this species has been documented in Eurasia and North America, although the species does not appear to be widely distributed ([Alvarenga et al. 2019](#)). This genus is characterized by resupinate, arid, soft, medium-sized, cream-colored to grayish or pale ochraceous basidiomata with smooth or irregularly spiny hymenophores, monomitic hyphal structures and thin-walled, clamped generative hyphae ([Alvarenga et al. 2019](#)). Species of this genus produce ovoid, longitudinally septate, 4-celled basidia occasionally tapering to the stalk-like base and hyaline, thin-walled, cylindrical to broadly cylindrical, slightly curved basidiospores with oil droplets in the cytoplasm ([Alvarenga et al. 2019](#)). Hyphidia and cystidia are present ([Alvarenga et al. 2019](#)). The asexual morph is unknown.

Reference

Alvarenga RLM, Spirin V, Malysheva V, Gibertoni TB, Larsson K-H. 2019 – Two new genera and six other novelties in *Heterochaete sensu lato* (*Auriculariales*, *Basidiomycota*). *Botany* 97, 439–451. <https://doi.org/10.1139/cjb-2019-0046>

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