

## Outlineoffungi.org – Note 1386 *Pseudohyphodermella*

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***Pseudohyphodermella*** Shan Shen, S.L. Liu & L.W. Zhou

Shen et al. (2023) introduced *Pseudohyphodermella* under *Phanerochaetaceae* (*Polyporales*, *Incertae sedis*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*) to accommodate *P. poroides* (Y.C. Dai & C.L. Zhao) Shan Shen, S.L. Liu & L.W. Zhou as the type species based on morphology and phylogenetic analyses using ITS, LSU, *rpb1*, *rpb2*, and *teflα* regions. The type species was found on the fallen trunk of *Alniphyllum fortune* in China. In this genus, basidiomes are annual, resupinate, and effused. The hymenophoral surface is poroid cream to orange. The hyphal system is monomitic and generative hyphae have simple septa. Cystidia are absent. Basidia are clavate. Basidiospores are broadly ellipsoid, inamyloid, indextrinoid, and acyanophilous. Generative hyphae, basidia, and basidiospores are hyaline and thin-walled. Phylogenetic analysis with ITS and LSU sequence data shows that *Geliporus* and *Odontoefibula* formed sister clades with *Pseudohyphodermella*. In the *Donkia* clade of *Phanerochaetaceae*, the presence of a poroid hymenophoral surface sets *Pseudohyphodermella* and *Geliporus* apart from other genera. Additionally, the tissues of *Pseudohyphodermella* remain unchanged in KOH, with broadly ellipsoid basidiospores, while *Geliporus* exhibits tissues that darken in KOH and cylindrical to oblong-ellipsoid-shaped basidiospores (Shen et al. 2023).

### Reference

Shen S, Liu SL, Zhou LW. 2023 – Taxonomy of *Hyphodermella*: a case study to show that simple phylogenies cannot always accurately place species in appropriate genera. *IMA fungus* 14(1), 11.

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