

Outlineoffungi.org - Note 1316 *Proliferophialis*

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Proliferophialis L.W. Hou, L. Cai & Crous

Proliferophialis, a monotypic genus in *Bionectriaceae* (*Hypocreales*, *Hypocreomycetidae*, *Sordariomycetes*), was introduced by Hou et al. (2023), with *P. apiculata* as the type species. The type species was isolated from *Triticum aestivum* (Poaceae) in France. The nomenclature of the genus reflects the occurrence of proliferated conidiophores and phialides. *Proliferophialis* was established based on its morphological characteristics and multigene phylogenetic analyses of ITS, LSU, *rpb2*, and *tef1* sequence data (Hou et al. 2023). Their phylogeny included four strains of *P. apiculata*, with the latter formed a distinct lineage from other genera in *Bionectriaceae*. This distinct clade supports the establishment of *Proliferophialis* as a novel taxon. The key characteristic that sets *Proliferophialis* apart from other taxa is its ability to produce abundant phialides with continuous apical percurrent proliferation. *Proliferophialis* is characterized by aseptate, hyaline, thick- and smooth-walled, ovoid or fusoid conidia, with hilar spots at the apices and bases, typically arranged in interminable chains (Hou et al. 2023).

Reference

Hou LW, Giraldo A, Groenewald JW, Rämä T et al. 2023 – Redisposition of acremonium-like fungi in *Hypocreales*. *Studies in Mycology* 105, 23–203.

Entry by

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