

Outlineoffungi.org - Note 1087 *Paragliomastix*

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

Hou et al. (2023) introduced *Paragliomastix* under *Bionectriaceae*, *Hypocreales*, *Sordariomycetes*, to accommodate four species based on morphology and phylogenetic analyses based on ITS and LSU sequence data. The new genus has been described only based on its asexual morph. *Paragliomastix chiangraiensis* (J.F. Li, R.H. Perera & Phookamsak) L.W. Hou, L. Cai & Crous, *P. luzulae* (Fuckel) L.W. Hou, L. Cai & Crous, *P. rosea* L.W. Hou, L. Cai & Crous, and *Paragliomastix znieffensis* (Lechat & J. Fourn.) L.W. Hou, L. Cai & Crous are the accepted species of the genus. *Paragliomastix* was typified by *P. luzulae* (Fuckel) L.W. Hou, L. Cai & Crous, which was isolated from decaying wood of *Picea* sp. (*Pinaceae*) in Germany. In this genus, mycelium is constructed of branched, septate, and hyaline hyphae. Conidiophores are solitary or aggregated, erect, and unbranched or poorly branched. Phialides are lateral, terminal, and subulate. Conidia are aseptate, ovoid, or fusiform, and arranged in dry long chains. Chlamydospores and sexual morph have not been observed. *Paragliomastix* bears a strong morphological resemblance to *Gliomastix* due to their darkly pigmented ameroconidia. *Paragliomastix* is distinguished from *Gliomastix* based on differences in its phialides and conidia morphology. Phylogenetic analysis of the combined ITS, LSU, *rpb2*, and *tef-1α* dataset revealed that *Paragliomastix* species form distinct clusters distant from those of *Gliomastix* within *Bionectriaceae* (Hou et al. 2023).

Reference

Hou LW, Giraldo A, Groenewald JZ, Rämä T et al. 2023 – Redisposition of acremonium-like fungi in *Hypocreales*. *Studies in Mycology* 105(1), 23–203. <https://doi.org/10.3114/sim.2023.105.02>

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