

Outlineoffungi.org - Note 1524 *Rhizomucoraceae*

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Rhizomucoraceae H. Zhao, Y.C. Dai, B.K. Cui, F. Wu, Yuan Yuan & X.Y. Liu

Rhizomucoraceae was erected by Zhao et al. (2023) to accommodate *Rhizomucor* Lucet & Costantin as the type genus according to morphological characteristics and a concatenated dataset of ITS and LSU sequences. *Rhizomucoraceae* is a sister to the *Syncephalastraceae* clade in phylogenetic and divergence time analyses. It is characterized by the consistent presence of rhizoids and branched sporangiophores arising from hyphae. Notably, apophyses are absent, and the sporangia are columellate and multi-spored. Chlamydospores may also be present. Zygosporangia are ornamented and exhibit both heterothallic and homothallic reproduction, featuring opposed suspensors and a pigmented zygosporangial wall. Members are adapted to mesophilic and thermophilic environments (Zhao et al. 2023). *Rhizomucoraceae* is classified under *Mucorales*, *Mucoromycetes*, and *Mucoromycota* (Zhao et al. 2023).

Reference

[Zhao H, Nie Y, Zong TK, Wang K, et al. 2023 – Species diversity, updated classification and divergence times of the phylum *Mucoromycota*. Fungal Diversity 123\(1\), 49–157.](#)

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