Outlineoffungi.org - Note 1004 *Sinochloridium*

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Sinochloridium bambusicola W.P. Wu & Y.Z. Diao

Sinochloridium was introduced by Wu and Diao (2022) to accommodate *Sinochloridium bambusicola* W.P. Wu & Y.Z. Diao as ta mono type species based on the morphological characteristics and phylogenetic analysis of ITS and LSU sequence data. The genus *Sinochloridium* was found on bamboo culms in China. This genus shares characteristics with certain *Chloridium* species, such as the production of macronematous, pigmented, and septate conidiophores, terminal phialidic conidiogenous cells, and the presence of hyaline, aseptate conidia in wet spore heads (Seifert et al. 2011). However, phylogenetic analysis, based on ITS and LSU data, revealed that it belongs to a distinct genus within the *Plectosphaerellaceae* (Wu and Diao 2022). Morphologically, this *Sinochloridium* bears resemblance to *Phaeophialophora*, *Acremoniisimulans*, and certain *Chloridium* and *Phialophora* species. Nevertheless, *Sinochloridium* can be distinguished by its macronematous conidiophores, terminal and monophialidic conidiogenous cells, and hyaline, ellipsoid, and aseptate conidia. This newly identified genus is a saprobe, primarily found on deceased plant material, and is currently only documented in China (Wu and Diao 2022). The taxonomic placement of *Sinochloridium* is in *Plectosphaerellaceae*, *Glomerellales*, *Hypocreomycetidae*, *Sordariomycetes*, *Pezizomycotina*, and *Ascomycota*.

References

Seifert K, Morgan-Jones G, Gams W, Kendrick B. 2011 – The genera of hyphomycetes. CBS Biodiversity Series 9, 997. https://doi.org/10.3767/003158511X617435

Wu W, Diao Y. 2022 – Anamorphic Chaetosphaeriaceous Fungi from China. Fungal Diversity 116(1), 1–546. https://doi.org/10.1007/s13225-022-00509-w

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