

Outlineoffungi.org - Note 1068 *Neophaeosphaeriopsis*

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Neophaeosphaeriopsis H.D. Yang & K.D. Hyde

Neophaeosphaeriopsis, as a monotypic genus, was established in 2023 to accommodate *Neophaeosphaeriopsis triseptatispora* H.D. Yang & K.D. Hyde based on morphology and phylogeny using EF1- α , LSU, ITS, and SSU sequence data (Hyde et al. 2023). *Neophaeosphaeriopsis triseptatispora* was found as a saprobe on unidentified dead twigs in China. *Neophaeosphaeriopsis* formed a sister clade with *Mauginiella* Cavara based on phylogenetic analysis of a sequence dataset (a combined EF1- α , LSU, ITS, and SSU), but it differs from *Neophaeosphaeriopsis* by having only asexual structure, i.e., arthroconidia. In terms of morphology, *Neophaeosphaeriopsis* is similar to the genus *Phaeosphaeriopsis*, but they are distinct from each other based on phylogenetic analysis (Hyde et al. 2023). In the new genus, both sexual and asexual structures have been found. Ascomata are scattered, solitary, and globose to subglobose-shaped. Asci are bitunicate, fissitunicate, and cylindrical to cylindrical-clavate-shaped, with septate and guttulate ascospores. Conidiomata and pycnid. Conidiophores are septate, branched, and smooth with smooth, ampulliform, and subcylindrical-shaped conidiogenous cells. Conidia are cylindrical to oblong, guttulate, aseptate, and smooth. (Hyde et al. 2023).

Reference

Hyde KD, Norphanphoun C, Ma J, Yang HD et al. 2023 – Mycosphere notes 387–412–novel species of fungal taxa from around the world. *Mycosphere* 14(1), 663–744.

Entry by

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