

Outlineoffungi.org - Note 908 *Phialemoniopsaceae*

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Phialemoniopsaceae K.D. Hyde & Hongsanan

Phialemoniopsis was introduced by Perdomo et al. (2013) with *Phialemoniopsis ocularis* as the type species. Currently, this genus has eight species (Perdomo et al. 2013; Tsang et al. 2014; Su et al. 2016; Alvarez et al. 2021; Senanayake et al. 2023). Species in this genus were reported from various habitats, such as air, industrial and freshwater, plant materials, sewage, soil, and as endophytes (Gams and McGinnis 1983; Crane et al. 1996; Halleen et al. 2007; Perdomo et al. 2013; Tsang et al. 2014; Su et al. 2016; Senanayake et al. 2023). They have been recorded as human pathogens from toenails, sinuses, foot wounds, and eyes of humans (Tsang et al. 2014; Alvarez et al. 2021). This genus was placed in *Sordariomycetes*, genera *incertae sedis* (Perdomo et al. 2013). The divergence time estimates in Hyde et al. (2021) indicated that *Phialemoniopsis* has diverged approximately 59 MYA, which accords with the range for families (Hyde et al. 2017). Therefore, Hyde et al. (2021) introduced the family *Phialemoniopsaceae* based on morphology and phylogenetic analysis with LSU and *TEFI-α* to accommodate the genus *Phialemoniopsis* Perdomo, Dania García, Gené, Cano & Guarro. In the asexual morph, sporulation from conidiophores is solitary with simple or slightly branched. Conidiogenous cells are monophialidic, discrete, terminal or lateral. Conidia are one-celled with ellipsoidal, allantoid to obovoid shapes. Chlamydospores are observed sometimes. The sexual morph is unknown.

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