

Outlineoffungi.org - Note 769 *Pseudocoronospora*

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Pseudocoronospora Z.F. Yu, M. Qiao & R.F. Castañeda

Zheng et al. (2022) introduced *Pseudocoronospora* in *Microthyriaceae* (*Microthyriales*, *Dothideomycetes*). It was introduced to accommodate a single species *P. hainanensis* Z.F. Yu, M. Qiao & R.F. Castañeda, which was isolated from the leaves of an unidentified dicotyledonous plant submerged in a stream in China (Zheng et al. 2022). Morphologically, *Pseudocoronospora* is different from *Coronospora* (*Ascomycota genera incertae sedis*, Wijayawardene et al. 2022) in having conidiogenous loci which are tiny or conspicuous denticles, and conidia which are fringed at the basal cells after the rhexolytic conidial secession. *Coronospora* has cicatrized loci formed by sympodial extensions of the polyblastic conidiogenous cells, and conidia with liberated via schizolytic conidial secession (Ellis 1971; Zhang & Zhang 2004; Seifert et al. 2011). Based on the analyses of the concatenated LSU and ITS dataset, *P. hainanensis* formed a distinct lineage within *Microthyriaceae*, and is closely related to the type species of the asexual genus *Hamatispora* (Zheng et al. 2022). However, *Pseudocoronospora* is different from *Hamatispora* in having obclavate conidia, with mammiform protuberances arranged near the apex, while *Hamatispora* has staurospores, which are question-mark-shaped or hook-shaped with three arms developing from each cell on the helicoid part (Yen et al. 2018). Therefore, *Pseudocoronospora* was introduced as a new genus in *Microthyriaceae* based on morphological characters and molecular analysis (Zheng et al. 2022). The sexual morph is unknown.

References

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