

Outlineoffungi.org - Note 1342 *Subellipsoidispora*

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Subellipsoidispora X. Tang, Jayaward., J.C. Kang & K.D. Hyde

The monotypic genus *Subellipsoidispora* was established by Tang et al. (2023) under *Diaporthaceae* (*Diaporthales*, *Diaporthomycetidae*, *Sordariomycetes*, *Pezizomycotina*, *Ascomycota*) to accommodate *S. guttulata* X. Tang, Jayaward., J.C. Kang & K.D. Hyde, based on morphology and phylogenetic analyses using a combined dataset of ITS, LSU, *tef1-α*, and *rpb2* sequence data. The type species was found on the dead bark of *Dipterocarpaceae* in Thailand. In *Subellipsoidispora*, only sexual morph has been observed. In this genus, ascomata are perithecial, erumpent, scattered, and solitary. Hamathecium is constructed of cylindrical, unbranched, smooth, hyaline, and septate paraphyses. Asci are eight-spored, unitunicate, J- apical ring, and evanescent. Ascospores are one-septate, guttulate, and smooth. In a phylogenetic analysis using a combined dataset of ITS, LSU, *tef1-α*, and *rpb2* sequence data, *Subellipsoidispora* is grouped with *Coryneaceae* and is positioned as a distinct lineage closely related to *Hyaloterminalis* and *Talekpea*. *Subellipsoidispora* shares similarities with *Coryneum*, *Hyaloterminalis*, and *Talekpea*. While both *Subellipsoidispora* and *Coryneum* have a sexual morph characteristic of ascomycetes, *Talekpea* and *Hyaloterminalis* have an asexual morph typical of hyphomycetes. However, *Subellipsoidispora* differs from *Coryneum* species in terms of ascomata, asci, and ascospores (Tang et al. 2023).

Reference

Tang X, Lu YZ, Dissanayake LS, Goonasekara ID et al. 2023 – Two new fungal genera (*Diaporthales*) found on *Dipterocarpaceae* in Thailand. *Frontiers in Microbiology* 14, 1169052.

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