

Outlineoffungi.org – Note 1007 *Ellipsoidisporodochium*

Web-links: [Index Fungorum](#), Facesoffungi, [MycoBank](#), GenBank

Ellipsoidisporodochium S.B. Liu, J.W. Xia & X.G. Zhang

The monotypic genus *Ellipsoidisporodochium* was introduced with *Ellipsoidisporodochium photiniae* as the type species ([Liu et al. 2022](#)). This species was collected from diseased leaves of *Photinia serratifolia* which is as an important horticultural crop, from Hainan Province, China. *Ellipsoidisporodochium* was accommodated in *Tubakiaceae* (*Diaporthales*) based on phylogenetic analyses of multi-gene (ITS, LSU, tef1, tub2, rpb2) sequence data *Ellipsoidisporodochium* only described from its asexual morph. *Ellipsoidisporodochium* is morphologically different from *Oblongisporothyrium* by smaller conidia ([Yokoyama and Tubaki 1971](#), [Liu et al. 2022](#)). *Paratubakia* is different from *Ellipsoidisporodochium* by endophytic life mode, epiphyllous or, rarely hypophyllous conidiomata, with globose to subglobose conidia, and *Racheliella* by ellipsoid to obovoid, hyaline to subhyaline conidia with obtuse apex, and truncate base ([Braun et al. 2018](#)). Therefore, morphology and phylogeny are well-supported for the generic establishment of *Ellipsoidisporodochium*.

References

- Braun U, Nakashima C, Crous PW, Groenewald JZ, et al. 2018 – Phylogeny and taxonomy of the genus *Tubakia* s. lat. *Fungal Systematics and Evolution* 1, 41–99 <https://doi.org/10.3114/fuse.2018.01.04>
- Liu SB, Zhang ZX, Liu RY, Mu TC, et al. 2022 – Morphological and molecular identification of *Ellipsoidisporodochium* gen. nov. (*Tubakiaceae*, *Diaporthales*) in Hainan Province, China, *Phytotaxa* 552(4), 259–266. <https://doi.org/10.11646/phytotaxa.552.4.3>
- Yokoyama T, Tubaki K. 1971 – Cultural and taxonomical studies on the genus *Actinopelte*. Institute of Fermentation, Osaka, Research Communication 5, 43–77. <https://doi.org/10.1007/BF02051502>

Entry by

Indunil C. Senanayake, Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Haizhu District, Guangzhou 510225, China

(Edited by **Kevin D. Hyde & Maryam Tavakol Noorabadi**)

Published online 5 April 2024