

Outlineoffungi.org - Note 989 *Coprotaceae*

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

Coprotaceae U. Lindem. & Van Vooren

Van Vooren (2021) established *Coprotaceae* with *Coprotus* Korf & Kimbr. as the type genus and *Coprotus sexdecimsporus* (P. Crouan & H. Crouan) Kimbr. & Korf as the type species. *Coprotaceae* species are usually collected from the dung of herbivores and omnivorous animals, and rarely from soil, duff, or rotten leaves (Kušan et al. 2018). They are found in eastern and southwestern Asia, Europe, and the USA (Kušan et al. 2018). *Coprotaceae* is characterized by glabrous and sessile apothecia, mostly bent to uncinately paraphyses with numerous refractive bodies at the live state, operculate, 8- to 256-spored, inamyloid asci, and uni- or irregularly biseriate, and ellipsoid ascospores with De Bary bubbles at dry conditions. The phylogenetic evidence of multi-loci analyses shows this family in an independent lineage sister to *Ascodesmidaceae* (Lindemann et al. 2019; Van Vooren 2021). The taxonomic placement of *Coprotaceae* is in *Pezizales*, *Pezizomycetidae*, *Pezizomycetes*, *Pezizomycotina*, and *Ascomycota*.

References

- Kušan I, Matočec N, Jadan M, Tkalčec Z, Mešić A. 2018 – An overview of the genus *Coprotus* (*Pezizales*, *Ascomycota*) with notes on the type species and description of *C. epithecioides* sp. nov. MycoKeys 29, 15–47. <https://doi.org/10.3897/mycokeys.29.22978>
- Lindemann U, Fellmann B, Castillo JA. 2019 – *Pseudocoprotus* gen. nov. – eine neue Gattung für *Cheilymenia catenipila* J. Moravec. Ascomycete.org 11(1), 17–24. <https://doi.org/10.25664/ART-0253>
- Van Vooren N. 2021 – Nomenclatural novelties in *Pezizales*. Ascomycete.org 13(2), 83–84. <https://doi.org/10.25664/ART-0321>

Entry by

Cuijinyi Li, Yunnan Key Laboratory of Fungal Diversity and Green Development, Key Laboratory for Plant Diversity and Biogeography of East Asia, Kunming Institute of Botany, Chinese Academy of Sciences, Kunming, Yunnan 650201, China and Center of Excellence in Fungal Research, Mae Fah Luang University, Chiang Rai, 57100, Thailand; School of Science, Mae Fah Luang University, Chiang Rai 57100, Thailand

(Edited by **K. W. Thilini Chethana, Kevin D Hyde & Maryam Tavakol Noorabadi**)

Published online 5 April 2024