

Outlineoffungi.org - Note 1013 *Ghazallomyces*

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

Ghazallomyces Hanafy, Lanjekar, Dhakephalkar, T.M. Callaghan, Dagar, G.W. Griff., Elshahed & N.H. Youssef

The genus *Ghazallomyces* is an obligate anaerobic taxon that was reported from freshly deposited feces content of female Axis Deer, *Axis axis* ([Hanafy et al. 2020](#)). The genus is monotypic and the type species is *Ghazallomyces constrictus* Hanafy, Lanjekar, Dhakephalkar, T.M. Callaghan, Dagar, G.W. Griff., Elshahed & N.H. Youssef. The type species is well described with endogenous and exogenous sporangia, polyflagellate zoospores with 7–14 flagella ([Hanafy et al. 2020](#)). Phylogenetically, the type species resides with other well-established genera in *Neocallimastigomycota* such as *Orpinomyces* but forms a distinct lineage. Based on phylogenetic analysis of 28S rDNA and ITS sequence data, the taxonomic placement of *Ghazallomyces* is in *Neocallimastigaceae*, *Neocallimastigales*, *Neocallimastigomycetes*, *Neocallimastigomycota*.

Reference

Hanafy RA, Lanjekar VB, Dhakephalkar PK, Callaghan TM, et al. 2020 – Seven new *Neocallimastigomycota* genera from wild, zoo-housed, and domesticated herbivores greatly expand the taxonomic diversity of the phylum. *Mycologia* 112(6), 1212–1239. <https://doi.org/10.1080/00275514.2019.1696619>

Entry by

Nalin N. Wijayawardene, Center for Yunnan Plateau Biological Resources Protection and Utilization, College of Biological Resource and Food Engineering, Qujing Normal University, Qujing, Yunnan, P.R. China

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

Published online 5 April 2024