

## Outlineoffungi.org - Note 871 *Joblinomyces*

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***Joblinomyces*** Hanafy, Vikram B. Lanjekar, Prashant K. Dhakephalkar, T.M. Callaghan, Dagar, G.W. Griff., Elshahed & N.H. Youssef

*Joblinomyces* was introduced by Hanafy et al. (2020) to accommodate *J. apicalis* as the type species based on morphological characteristics and phylogenetic analysis with ITS and D1-D2 28S rDNA sequence data. *Joblinomyces* was isolated from the feces of a domesticated goat (*Capra aegagrus hircus*). *Joblinomyces* is an obligate and anaerobic genus characterized by a monocentric thallus, globose monoflagellated, occasionally biflagellated and triflagellated zoospores, endogenous and exogenous sporangia of varying shapes and sizes. *Joblinomyces* is phylogenetically closely related to *Buwchfawromyces* (Hanafy et al. 2020). The taxonomic placement of *Joblinomyces* is in *Neocallimasticaceae*, *Neocallimastigales*, *Neocallimastigomycetes*, and *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>

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