Outlineoffungi.org - Note 739 *Zongqia*

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Zongqia Zhi Y. Zhang & Y.F. Han

Zongqia is a monotypic asexual genus which is typified by *Z. sinensis* Zhi Y. Zhang & Y.F. Han. *Zongqia sinensis* is saprobic on soils in China (Zhang et al. 2022). The genus is characterized by branched, septate, smooth hyphae, degenerated conidiophores, clavate, hyaline conidiophore cells occurring directly from the hyphae, solitary, clavate to subglobose, or obovate, smooth, aseptate conidia (Zhang et al. 2022). In the maximum likelihood analysis and Bayesian analysis of five-loci (ITS, LSU, *mcm7*, *rpb2* and *tef1*), *Zongqia* was sister to *Pseudeurotium* with high statistical support (Zhang et al. 2022). *Zongqia* had similar conidiomata with *Pseudeurotium* (Minnis & Lindner 2013; Adhikari et al. 2016). However, *Zongqia* can be distinguished from *Pseudeurotium* by the presence of chains of conidia, conidiophores degenerated into conidiophore cells and clavate conidiophores cells (Zhang et al. 2022). Because many genera of *Thelebolales* lacked molecular data and records of the asexual stage, *Zongqia* was limited on morphological and phylogenetic comparisons with other taxa (Zhang et al. 2022). Thus, *Zongqia* was placed in *Thelebolales incertae sedis* (*Leotiomycetes*) (Zhang et al. 2022).

References

Adhikari M, Kim S, Yadav DR, Um YH, Kim HS, Lee HB, Lee YS. 2016 – A new record of *Pseudeurotium bakeri* from crop field soil in Korea. The Korean Journal of Mycology 44(3), 145–149. https://doi.org/10.4489/KJM.2016.44.3.145

Minnis AM, Lindner DL. 2013 – Phylogenetic evaluation of *Geomyces* and allies reveals no close relatives of *Pseudogymnoascus destructans*, comb. nov., in bat hibernacula of eastern North America. Fungal biology 117(9), 638–649. https://doi.org/10.1016/j.funbio.2013.07.001

Zhang ZY, Shao QY, Li X, Chen WH, Liang JD, Han YF, Huang JZ, Liang ZQ. 2022 – Culturable fungi from urban soils in China I: description of 10 new taxa. Microbiology Spectrum. 9(2), e00867–21. https://doi.org/10.1128/Spectrum.00867-21

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(Edited by **Kevin D Hyde & Rekhani Hansika Perera**)

Published online 14 March 2023