

Outlineoffungi.org - Note 727 *Neoarthrinium*

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Neoarthrinium Ning Jiang

Neoarthrinium was established with the type species, *N. lithocarpicola* Ning Jiang and three combinations, *N. moseri* (W. Gams) Voglmayr, *N. trachycarpi* (C.M. Tian & H. Yan) Ning Jiang and *N. urticae* (M.B. Ellis) Ning Jiang in *Amphisphaeriales* genera *incertae sedis* based on morphological characters and phylogenetic analysis of combined ITS, LSU, *tef1* and *tub2* sequences ([Jiang et al 2022](#)). The members of *Neoarthrinium* were formerly described as the species in *Arthrinium* and *Wardomyces*. [Sandova-Denis et al. \(2016\)](#) mentioned that *Wardomyces moseri* W. Gams does not belong to *Wardomyces* based on phylogenetic analysis of LSU and ITS sequences of the ex-type culture. Furthermore, [Tian et al. \(2021\)](#) acknowledged that two *Arthrinium* species viz., *Ar. trachycarpum* and *Ar. urticae* formed a phylogenetically distinct clade out of *Arthrinium* and this result is consistent with the previous study by [Tang et al. \(2020\)](#). [Jiang et al. \(2022\)](#) determined the taxonomic placement of those three species with new isolates and proposed them in *Neoarthrinium* based on morphological characters and phylogenetic analysis. The asexual morph of this genus is characterized by cylindrical, septate, verrucose conidiophores, erect, blastic, doliiform, subglobose to lageniform, branched conidiogenous cell and subglobose, ellipsoid to lenticular conidia, with a longitudinal germ slit ([Jiang et al. 2022](#)). The sexual morph is unknown. *Neoarthrinium* species are saprobes, endophytes and plant pathogens reported in China, Colombia, Great Britain and India ([Ellis 1965](#); [Sandova-Denis et al. 2016](#); [Yan et al. 2019](#); [Jiang et al. 2022](#)). *Neoarthrinium* was referred to *Amphisphaeriales* genera *incertae sedis* in *Sordariomycetes* ([Jiang et al. 2022](#)). The familial placement of the genus is uncertain.

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

Published online 14 December 2022