

Outlineoffungi.org - Note 1479 *Nothocremonium*

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Nothocremonium L.W. Hou, L. Cai & Crous

Hou et al. (2023) introduced *Nothocremonium* to accommodate three species based on morphology and phylogenetic analyses using LSU, ITS, and *rpb2* (Hou et al. 2023). This genus was typified by *Nothocremonium exiguum* (W. Gams) L.W. Hou, L. Cai & Crous (= *Acremonium exiguum* W. Gams), which was isolated from *Tubulicium dussii* (*Hydnodontaceae*) on *Dicksonia antarctica* (*Dicksoniaceae*) in Sri Lanka. The other two species are *Nothocremonium subcylindricum* L.W. Hou, L. Cai & Crous and *Nothocremonium vesiculophorum* L.W. Hou, L. Cai & Crous. The mycelium consists of branched, septate, hyaline, smooth-, thin-walled hyphae with erect, hyaline, and smooth-walled conidiophores. Conidiogenous cells are enteroblastic, cylindrical, hyaline, and thick, smooth-walled producing aseptate, ellipsoidal, straight, and hyaline conidia. Chlamydospores and sexual morph have not been observed. Although *Nothocremonium* shares morphological similarities with *Acremonium*, their main point of differentiation is in the results of phylogenetic analysis (Hou et al. 2023). *Nothocremonium exiguum* is a new combination, that was previously known as *Acremonium exiguum*. Phylogenetic studies show that it belongs to a well-supported lineage within the genus *Nothocremonium* and is closely linked to *Nothocremonium vesiculophorum*. The taxonomic placement of the new genus is in *Nothocremoniaceae* (*Hypocreales*, *Hypocreomycetidae*, *Sordariomycetes* *Sordariomycetidae*, *Pezizomycotina*, *Ascomycota*). (Hou et al. 2023).

Reference

Hou LW, Giraldo A, Groenewald JW, Rämä T et al. 2023 – Redisposition of acremonium-like fungi in *Hypocreales*. *Studies in Mycology* 105(1), 23–203.

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