

Outlineoffungi.org - Note 1211 *Allomusicillium*

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

The monotypic genus *Allomusicillium* was introduced by Hou et al. (2023) to accommodate *A. domschii* (W. Gams) L.W. Hou, L. Cai & Crous. This species was originally named *Acremonium domschii* W. Gams (Gams 1971), but based on phylogenetic analysis, it is not classified as a member of *Acremonium*. Multi-locus phylogenetic analyses (LSU, ITS, *rpb2*, and *tef-1 α*) supported *Allomusicillium* as the basal genus to the clade containing *Musicillium* and *Paramusicillium*, in *Plectosphaerellaceae*, *Glomerellales*. Morphologically, *Allomusicillium* is characterized by the basitonously branched conidiophores, commonly proliferating repeatedly sympodially, bearing conidiogenous cells mono- or polyphialidic, often with conspicuous periclinal thickening and cylindrical collarete. The conidia are aseptate, ellipsoidal, short cylindrical, with slightly apiculate hilum at bases and obtuse apices, straight, hyaline, smooth-walled, eguttulate, arranged in long chains, collapsing as conidial heads. The sexual morph has not been observed. The type species was reported as a mycophilic species, and isolated from *Inonotus obliquus* (*Hymenochaetaceae*, *Agaricomycetes*).

References

- Gams W. 1971 – Cephalosporium-artige Schimmelpilze (*Hyphomycetes*). Stuttgart: G. Fischer.
Hou LW, Giraldo A, Groenewald JZ, Rämä T et al. 2023 – Redisposition of acremonium-like fungi in *Hypocreales*. *Studies in Mycology* 105, 23–203.
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Entry by

Ana Carla da Silva Santos, Departamento de Micologia, Universidade Federal de Pernambuco, Recife, 50670901, Brazil

(Edited by **Maryam Tavakol Noorabadi & Subodini N. Wijesinghe**)

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