

Outlineoffungi.org - Note 1209 *Aciculomyces*

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Aciculomyces Torres-Garcia, Gené & Dania García

Based on analysis of combined ITS, and LSU sequence data, [Torres-Garcia et al. \(2023\)](#) introduced the monotypic genus, *Aciculomyces* under *Herpotrichiellaceae* (*Chaetothyriales*, *Eurotiomycetes*, *Ascomycota*) to accommodate the type species, *A. restrictus* Torres-Garcia, Gené & Dania García, which was collected from the fluvial sediments of Llobregat river in Spain. The genus shares some similar morphological characters with *Ramichloridium* and *Rhinocladiella*, especially in its conidiogenous shape ([Arzanlou et al. 2007](#), [Torres-Garcia et al. 2023](#)). *Ramichloridium* is accepted in *Mycosphaerellaceae* whereas *Rhinocladiella* species are phylogenetically unrelated to *Aciculomyces* and placed in *Herpotrichiellaceae*. However, *Aciculomyces* formed an unsupported clade with the *Atrokylandriopsis setulosa* in phylogeny. In contrast, the morphology of *Aciculomyces* differs from *Atrokylandriopsis* in the production of subhyaline, one-celled conidia from sympodial and denticulate conidiogenous cells, while *Atrokylandriopsis* produce pigmented, transversally septate and setulate conidia from phialidic conidiogenous cells ([Ma et al. 2015](#), [Torres-Garcia et al. 2023](#)).

References

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