

Outlineoffungi.org - Note 1055 *Nothomicrothyrium*

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Nothomicrothyrium Crous

In 2023, the taxonomic classification of *Nothomicrothyrium* was established through morphological and phylogenetic analyses utilizing ITS sequence data (Crous et al. 2023). The type species within this genus is *Nothomicrothyrium beaucarneae* Crous, isolated from the decaying leaves of *Beaucarnea stricta* in South Africa. In the new genus ascomata are thyrothecial, superficial, circular, and solitary. Hamathecium is constructed of arranged asci with thin, branched, septate, and cellular pseudoparaphyses. The asci are eight-spored, bitunicate, fissitunicate, and obovoid, which contain multiseriate, submedianly one-septate ascospores. The asexual morph of *Nothomicrothyrium* has not been observed. (Crous et al. 2023). *Nothomicrothyrium* exhibits morphological similarities to *Pseudomicrothyrium* and *Microthyrium*; however, phylogenetic analysis has positioned *Nothomicrothyrium* within a distinct clade. Morphologically, distinguishing features of *Nothomicrothyrium* include the presence of numerous ascospore appendages, setting it apart from *Pseudomicrothyrium* and *Microthyrium* (Crous et al. 2023).

Reference

Crous PW, Costa MM, Kandemir H, Vermaas M et al. 2023 Fungal Planet description sheets: 1550–1613. *Persoonia-Molecular Phylogeny and Evolution of Fungi*. 51, 280–417.

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