

Outlineoffungi.org - Note 974 *Neogyrothrix*

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Neogyrothrix Hern - Restr. & Crous

[Hernández-Restrepo et al. \(2022\)](#) established the monotypic genus *Neogyrothrix* with *N. oleae* (Crous) Hern-Restr. & Crous, as the type species in *Gyrothrixaceae*, *Sordariales*, *Sordariomycetes* based on the morphological similarity with *Gyrothrix* and phylogenetic analysis of ITS, LSU and RPB2 sequence data. Previously *Neogyrothrix* was described as *Gyrothrix* with *Gyrothrix oleae* in *Gyrothrix* genera *incertae sedis*, *Xylariales*, *Sordariomycetes* based on its branched setae and phylogenetic analysis of combined ITS and LSU sequence data ([Crous et al. 2019](#)). It was isolated from leaves of *Olea capensis* subsp. *macrocarpa* (*Oleaceae*) and *Diospyros whyteana* (*Ebenaceae*) in South Africa ([Crous et al. 2019](#)). *Neogyrothrix* is characterized by brown, erect, multiseptate, subcylindrical, tapering towards the apex, with verruculose to warty setae, with spirally curved apex, bulbous base, and curved lateral branches, and hyaline, smooth, aseptate, fusoid, inequilateral conidia with eccentric and truncate hilum at the base. It resembles *Gyrothrix* in having branched setae. However, the phylogenetic evidence obtained from the analysis of ITS, LSU and RPB2 sequence data shown it as a distinct lineage ([Hernández-Restrepo et al. 2022](#)).

Reference

- Crous PW, Wingfield MJ, Lombard L, Roets F, et al. 2019 – Fungal Planet description sheets: 951–1041. *Persoonia* 43, 223–425. <https://doi.org/10.3767/persoonia.2019.43.06>
- Hernández-Restrepo M, Decock CA, Costa MM & Crous PW. 2022 – Phylogeny and taxonomy of *Circinotrichum*, *Gyrothrix*, *Vermiculariopsiella* and other setose hyphomycetes. *Persoonia* 49(1), 99–135. <https://doi.org/10.3767/persoonia.2022.49.03>

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