

## Outlineoffungi.org - Note 1478 *Nothotrichosporon*

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***Nothotrichosporon*** Crous, M. Groenew. & Jurjević

Crous et al. (2023) introduced the monotypic genus *Nothotrichosporon* under *Trichosporonaceae* (*Trichosporonales*, *Tremellomycetes*, *Agaricomycotina*, *Basidiomycota*) to accommodate *Nothotrichosporon aquaticum* Crous, M. Groenew. & Jurjević based on morphology and phylogenetic analyses using ITS and LSU sequence data. *Nothotrichosporon aquaticum* was isolated from pen water in USA. The genus *Nothotrichosporon* is characterized by hyaline, smooth, and thin-walled hyphae; hyaline, smooth, guttulate, thin-walled, and subcylindrical-shaped arthroconidia; hyaline, smooth, guttulate, thin-walled, and ellipsoid-shaped secondary conidia. *Effuseotrichosporon* was identified as a single species lineage consisting of *Trichosporon vanderwaltii* within the *Trichosporonaceae*. It is distinguished by true hyphae that break apart into arthroconidia. The current collection is similar to *Effuseotrichosporon* based on blast searches for ITS, but is phylogenetically different, leading to its placement in the newly established genus, *Nothotrichosporon* (Crous et al. 2023).

### Reference

Crous PW, Osieck ER, Shivas RG et al. 2023 – Fungal Planet description sheets: 1478–1549. *Persoonia-Molecular Phylogeny and Evolution of Fungi* 50(1), 158–310.

### Entry by

**Maryam Tavakol Noorabadi**, Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Guangzhou 510225, People's Republic of China

(Edited by **Kevin D. Hyde & Rekhani Hansika Perera**)

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