

## Outlineoffungi.org - Note 892 [Neodiluvicola](#)

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[Neodiluvicola](#) W. Dong & H. Zhang

[Neodiluvicola](#) was introduced by Dong et al. (2021) to accommodate *N. aquatica* which was previously placed in *Diluvicola*. Dong et al. (2021) showed that *N. aquatica* W. Dong, H. Zhang & K.D. Hyde is phylogenetically distant from *D. capensis* and formed a basal branch to *Cataractispora* and *Pseudoproboscispora*. Thus, they introduced a new genus [Neodiluvicola](#) to accommodate this species based on morphological characteristics and phylogenetic analysis using ITS, SSU, LSU, and *RPB2*. [Neodiluvicola](#) is characterized by semi-immersed to superficial, subglobose or ellipsoidal, black ascomata with a lateral, short neck, unitunicate, clavate to subcylindrical asci with a distinct, refractive, wedge-shaped apical ring and fusiform, aseptate or occasionally 1-septate, hyaline ascospores with bipolar filamentous appendages. The asexual morph is undetermined (Dong et al. 2021). The taxonomic placement of [Neodiluvicola](#) is in *Pseudoproboscisporaceae*, *Atractosporales*, *Sordariomycetes*. Only *N. aquatica* is accepted in the genus and it is a saprobe collected on submerged wood freshwater habitats (Zhang et al. 2017, Dong et al. 2021).

### References

- Dong W, Hyde KD, Jeewon R, Doilom M, Yu XD, Wang GN, Liu NG, Hu DM, Nalumpang S, Zhang H. 2021 – Towards a natural classification of annulatasceae-like taxa II: introducing five new genera and eighteen new species from freshwater. *Mycosphere* 12(1), 1–88. [https://www.mycosphere.org/pdf/MYCOSPHERE\\_12\\_1\\_1.pdf](https://www.mycosphere.org/pdf/MYCOSPHERE_12_1_1.pdf)
- Zhang H, Dong W, Hyde KD, Maharachchikumbura SSN, Hongsanan S, Bhat DJ, Al-Sadi AM, Zhang D. 2017 – Towards a natural classification of Annulatasceae-like taxa: introducing *Atractosporales* ord. nov and six new families. *Fungal Diversity* 85, 75–110. <https://link.springer.com/article/10.1007/s13225-021-00469-7>

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