

Outlineoffungi.org - Note 767 *Neostemphylium*

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Neostemphylium Torres-Garcia, Gené & Cano

The monotypic genus *Neostemphylium* was introduced by Torres-Garcia et al. (2022) to accommodate the type species *N. polymorphum* Torres-Garcia, Gené & Cano. It is a hyphomycetous genus and is characterized by macronematous or semi-macronematous, subhyaline to pale brown conidiophores, blastic, integrated or discrete, subglobose to obclavate, pale brown conidiogenous cells and solitary or catenate, subglobose, ellipsoidal, or oblong, brown to dark brown, muriform conidia (Torres-Garcia et al. 2022). The synasexual morph of *Neostemphylium* can also be present, which has blastic, cylindrical, pale to brown fragmoconidia often remaining attached on hyphae (Torres-Garcia et al. 2022). *Neostemphylium polymorphum* was reported from freshwater sediment in Spain, but environmental data suggest that this species is worldwide distributed and primarily inhabit soil in Australia, France and the USA (Torres-Garcia et al. 2022). A multi-gene (ITS, LSU, *gapdh*, *rbp2* and *tef1*) phylogeny revealed *Neostemphylium* belongs to *Pleosporaceae*, *Dothideomycetes* (Torres-Garcia et al. 2022). The sexual morph is unknown.

References

Torres-Garcia D, García D, Cano-Lira JF, Gené J. 2022 – Two novel genera, *Neostemphylium* and *Scleromyces* (*Pleosporaceae*) from freshwater sediments and their global biogeography. *Journal of Fungi* 8, 868. <https://doi.org/10.3390/jof8080868>

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