

Outlineoffungi.org - Note 970 *Torrubiellomyces*

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Torrubiellomyces J.P.M. Araújo & C. de Bekker

Araújo et al. (2022) proposed *Torrubiellomyces* as a new *torrubiella*-like genus under *Ophiocordycipitaceae* (*Hypocreales*, *Sordariomycetes*, *Ascomycota*) to accommodate a zombie-ant species (*Torrubiellomyces zombiae*) which was isolated from an American forest (Araújo et al., 2022). *Torrubiellomyces* was typified by *Torrubiellomyces zombiae* J.P.M. Araújo & C. de Bekker and is monotypic. *Torrubiellomyces* is distinguished from neighboring genera by the presence of solitary or clusters of brown to black superficial perithecia directly on the fungal host tissue of the sexual morph; one type of conidiogenous cell and conidia in the asexual morph; and a distinctive ecological aspect. The asexual morph was not observed (Araújo et al., 2022). Molecular analyses of the combined five-loci gene sequence dataset (SSU, LSU, TEF, RPB1, and RPB2) confirmed that *Torrubiellomyces* belongs to a single clade (Araújo et al., 2022).

Reference

Araújo JPM, Lebert BM, Vermeulen S, et al. 2022 – Masters of the manipulator: two new hypocrealean genera, *Niveomyces* (*Cordycipitaceae*) and *Torrubiellomyces* (*Ophiocordycipitaceae*), parasitic on the zombie ant fungus *Ophiocordyceps camponoti-floridani*. *Persoonia* 49, 171–194.
<https://doi.org/10.3767/persoonia.2022.49.05>

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