Outlineoffungi.org - Note 937 *Miraculales*

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Miraculales Buaya & Thines

Buaya et al. (2021) introduced this order to accommodate the *Miraculaceae* family and *Miracula* Buaya, Hanic & Thines genus, a taxon belonging to *Oomycota.* The order was typified by *Miracula helgolandica* Buaya, Hanic & Thines which was identified based on morphology and molecular characters with partial SSU sequences (Buaya et al. 2017). The order comprises only one genus which was reported in the thallus of Bacillariophyta. Buaya & Thines (2020a, b) used the term *Miraculales* in their study however, they did not provide a description or designate the type. Hence, *Miraculales* 2020 is invalid (Art. 39.1, Shenzhen). Thallus is in members of the Bacillariophyta that has a holocarpic, simple, subglobose to limoniform shapes with thin-walled and evanescent features. The germ tube is short and often observed with a thickened base. Zoospores are biflagellate and they immediately disperse after release. Resting spores are not known. The taxonomic placement of *Miraculales* is in *Saprolegniidae, Peronosporea, Oomycota,* and *Chromista.*

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