

Nomenclatural novelties : Alexander B. Doweld

Tentaculophagus Doweld, gen.nov.

IF550381

The same description as for its sole species, *Tentaculophagus karlingii*, l.c. (IF 550380).

Holotype: *Tentaculophagus karlingii* Doweld 2014.

Tentaculophagus karlingii Doweld, sp.nov.

IF550380

Thallus filamentous, extended, hyaline, branched, continuous, with numerous relatively short specialized lateral branches, which bear one to five tenuous, predacious tentacles at the apex; tentacles whorled, 10-17 Åµm long and 1.5-2 Åµm thick, terminated by a small knob, 0.8-0.9 Åµm wide, and bears a number of fine filaments, 1-2 Åµm long and 20 Åµm wide. Terminal portion of the lateral branch developed an accessory infective branch before penetration with an adhesive, containing a number of bubbles. Conidia elongate spindle-shaped, produced at the end of the long hyphae in acropetal succession, in chains, 40-80 Åµm long. Ectoparasite of loricate rotifers (*Distyla*, *Lepadella* and *Monostyla*) and testaceous rhizopods. NOMENCLATURAL NOTE: *Zoophagus tentaclum* Karling (in *Mycologia* 28: 308. 1936) was not validly published, lacking necessitated Latin description.

Holotype (iconotypus) figs. 1-5 in *Mycologia* 28: 308-317. 1936.

Zoophagaceae Doweld, fam.nov.

IF550382

Mycelium narrow, non-septate, multinucleate, bearing lateral, elongated and dichotomously branched adhesive pegs trapping host animals which then completely filled with parasite hyphae. Conidiophores lateral, barely differentiated. Conidiogenous cells solitary or sympodially proliferous, bearing a single fusiform conidium. Conidia blastic, separated from the conidiogenous cell by an attenuated isthmus, devoid of protoplasm separating the conidium from the conidiogenous cell, or sometimes aseptate. Azygospores (when known) containing a large vacuole produced directly from the hyphae. Ectoparasites of loricate rotifers and nematodes.

Holotype: *Zoophagus* Sommerst. 1911.

Zoophagales Doweld, ord.nov.

IF550383

Thallus hyphal, non-septate, multinucleate, bearing lateral, elongated and dichotomously branched adhesive pegs. Conidiophores lateral, conidia single, blastic, separated from the conidiogenous cell by an attenuated isthmus, or sometimes aseptate.

Holotype *Zoophagus* Sommerst.