

Nomenclatural novelties : Alexander B. Doweld

**Olpidiaster brassicae** (Woronin) Doweld, comb.nov.

**IF550486**

Basionym: *Chytridium brassicae* Woronin, *Jb. wiss. Bot.* **11**: 557 (1878)

**Olpidiaster virulentus** Doweld, sp.nov.

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Homothallic, endobiotic, holocarpic; zoosporangia globose, 11-35 Åµm wide, with 1 to 7 exit tubes; zoospores spherical to ovoid, 4 Åµm wide, with a single lipid globule and 2 pulsating vacuoles; resting spores stellate, without mating; viral transmissibility lacking. NOMENCLATURAL COMMENTS: Based on (=) *Pleotrachelus virulentus* Sahtiy. in *Arch. Mikrobiol.* **41**(2): 206 (1962), nom. inval. (lacking holotype designation). = *Olpidium virulentus* (Sahtiy.) Karling, *Chytridiomycet. Iconogr.*: 13. 1977, comb. inval. Holotype (iconotypus) figs 24-44, 47-49 in Sahtiyanci, *Arch. Mikrobiol.* **41**(2): 206. 1962.

**Olpidiasteraceae** Doweld, fam.nov.

**IF550488**

Homo- to heterothallic, endobiotic, holocarpic, parasitizing epidermal root cells; zoosporangia globose, with 1 to 7 exit tubes, rhizoidal system lacking. Zoospores spherical to obpyriform or elongated, with a single lipid globule and 2 pulsating vacuoles; ribosomes randomly dispersed, mitochondria one or two, elaborately branched; microbodies interconnected, associated with mitochondrion, lipid bodies and nuclear envelope; rhizoplast composed of fibrils, not microtubules, cone-shaped, striated, fused to both, almost parallel, functional and vestigial kinetosomes; terminal plate present or lacking. Resting spores endobiotic in epidermal or cortical root cells, stellate to spherical or elongate, mesospore laevigate, endospore with a honeycomb-like pattern to verrucose. Intracellular parasites of the roots of herbaceous plants.

Holotype: *Olpidiaster* Pascher 1917.