**Index Fungorum no. 42**

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Nomenclatural novelties : Alexander B. Doweld

**Olpidiales** Doweld, ord.nov.  
**IF550324**  
Thallus monocentric, holocarpic, or eucarpic, endobiotic, converted as a whole into a single inoperculate sporangium or a resting spore. Zoospores formed in the sporangium, posteriorly uniflagellate, generally with a single globule, cone-shaped striated rhizoplast, gamma-like particles and rough endoplasmic reticulum. TYPE: Olpidium (A. Braun) J. Schröter. Nomenclatural comments: Olpidiales Cavalier-Smith (in Eur. J. Protistol. 2012: [43]. 22 Oct 2012) was not validly published being not accepted as a final on-line publication with no further additions (pagination) and treated as publication in press which was published effectively in print later (in Eur. J. Protistol. 49: 157. Mai 2013), but not validly with no necessitated identifier cited (Art. 42). Holotype Olpidium (A. Braun) J. Schröter.

**Olpidiomycetes** Doweld, class.nov.  
**IF550325**  
Sporangium single, endobiotic, with cell walls; zoospores posteriorly uniflagellate, with a single globule, cone-shaped striated rhizoplast fused to both the functional and vestigial kinetosomes, gamma-like particles and rough endoplasmic reticulum; nucleus associated with the basal body, no nuclear cap. TYPE: Olpidium (A. Braun) J. Schröter. Holotype Olpidium (A. Braun) J. Schröter.

**Olpidiomycota** Doweld, phyl.nov.  
**IF550327**  
Sporangium single, endobiotic, thin-walled; zoospores posteriorly uniflagellate, with a single globule, cone-shaped striated hollow rhizoplast, gamma-like particles and rough endoplasmic reticulum; no nuclear cap; ribosomes randomly dispersed throughout the cytoplasm; side-body complex lacking. TYPE: Olpidium (A. Braun) J. Schröter. Holotype Olpidium (A. Braun) J. Schröter.

**Olpidiomycotina** Doweld, subphyl.nov.  
**IF550326**  
Sporangium single, endobiotic, thin-walled; zoospores posteriorly uniflagellate, with a single globule, cone-shaped striated hollow rhizoplast, gamma-like particles and rough endoplasmic reticulum; ribosomes randomly dispersed throughout the cytoplasm; side-body complex lacking. TYPE: Olpidium (A. Braun) J. Schröter. Holotype Olpidium (A. Braun) J. Schröter.