

Nomenclatural novelties : Alexander B. Doweld

**Caulochytriales** Doweld, ord.nov.

**IF550344**

Thallus eucarpic, monocentric, with haustorium penetrating the host, zoosporangia with one to several inoperculate papillae. Sporangia of two types, sessile and hollow-stalked aerial, with cell walls. Zoospores posteriorly uniflagellate, flagellum laterally inserted into an asymmetrical depression in the side, flagellar insertion subapical to parabasal. Rhizoplast striated, attaches the proximal end of the kinetosome to a specialized region of the nuclear envelope; no nuclear cap; microbody-lipid globule complex comprises several lipid globules, branching microbody, membrane cisternae and circular mitochondria; ribosomes scattered throughout the cytoplasm. Pulsating vacuolar system associated with the flagellar apparatus and system of rough and smooth endoplasmic reticulum, dictyosomes and bristle-coated vesicles. Zoospores could move amoeboidly and sent out filose pseudopodia. TYPE: *Caulochytrium* Voos & L. S. Olive.

Holotype *Caulochytrium* Voos & L. S. Olive.

**Caulochytriomycetes** Doweld, class.nov.

**IF550345**

Sporangia of two types, sessile and hollow-stalked aerial, with cell walls. Zoospores posteriorly uniflagellate, flagellum laterally inserted, flagellar insertion subapical to parabasal. Rhizoplast striated, attaches the proximal end of the kinetosome to a specialized region of the nuclear envelope; no nuclear cap; microbody-lipid globule complex comprises several lipid globules, branching microbody, membrane cisternae and circular mitochondria; ribosomes scattered throughout the cytoplasm. Pulsating vacuolar system associated with the flagellar apparatus and system of rough and smooth endoplasmic reticulum, dictyosomes and bristle-coated vesicles. Zoospores could move amoeboidly and sent out filose pseudopodia. TYPE: *Caulochytrium* Voos & L. S. Olive.

Holotype *Caulochytrium* Voos & L. S. Olive.

**Caulochytriomycota** Doweld, phyl.nov.

**IF550347**

Sporangia thin-walled, of two types, sessile and hollow-stalked aerial. Zoospores posteriorly uniflagellate, flagellum laterally inserted, flagellar insertion subapical to parabasal. Rhizoplast striated, attaches the proximal end of the kinetosome to a specialized region of the nuclear envelope; no nuclear cap; microbody-lipid globule complex comprises several lipid globules, branching microbody, membrane cisternae and circular mitochondria. Pulsating vacuolar system associated with the flagellar apparatus and endoplasmic reticulum with dictyosomes and bristle-coated vesicles. TYPE: *Caulochytrium* Voos & L. S. Olive.

Holotype *Caulochytrium* Voos & L. S. Olive.

**Caulochytriomycotina** Doweld, phyl.nov.

**IF550346**

Sporangia thin-walled, of two types, sessile and hollow-stalked aerial. Zoospores posteriorly uniflagellate, flagellum laterally inserted, flagellar insertion subapical to parabasal. Rhizoplast striated, attaches the proximal end of the kinetosome to a specialized region of the nuclear envelope; no nuclear cap; microbody-lipid globule complex comprises several lipid globules, branching microbody, membrane cisternae and circular mitochondria. Pulsating vacuolar system associated with the flagellar apparatus and endoplasmic reticulum with dictyosomes and bristle-coated vesicles. TYPE: *Caulochytrium* Voos & L. S. Olive.

Holotype *Caulochytrium* Voos & L. S. Olive.