

Nomenclatural novelties : Alexander B. Doweld

Zygnemomycetaceae Doweld, fam.nov.

IF550446

Vegetative hyphae intrabiotic, unsegmented, giving rise to sporophores; septal walls bifurcate, variously distorted, at the central perforation, which was occluded by a plug. Sporophores nonseptate, bearing spores on pedicels formed from the sporophore apex, proliferating sympodially at the apex or subapically, or sporophores producing short, lateral basally septate, branchlet bearing single spores. Spores globose, echinulate, produced acropetally, not forcibly discharged or discharged by rupturing of the specialized basal subtending cell separated from the sporophore by a crosswall; zygospores doliform to cylindrical or octangular or polygonal, thick-walled, forming after lateral or scalariform conjugation.

Holotype: *Zygnemomyces* K. Miura 1973.

Zygnemomycetales Doweld, ord.nov.

IF550447

Hyphae unsegmented; septal walls bifurcate, variously distorted, at the central perforation, which was occluded by a plug. Sporophores nonseptate. Spores globose, echinulate, produced acropetally; zygospores doliform to cylindrical or octangular or polygonal, thick-walled, forming after lateral or scalariform conjugation.

Holotype *Zygnemomyces* K. Miura.