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Nomenclatural novelties : K. Voigt & Paul M. Kirk

Absidioideae K. Voigt & P.M. Kirk, subfam.nov.

IF550061

Forming apophysate sporangia and contemporary absence of sporangiola on nutrient-rich media.

Holotype: *Absidia* Tiegh. 1878.

Chaetocladioideae K. Voigt & P.M. Kirk, subfam.nov.

IF550068

Forming unispored columellate sporangiola borne on sporangiophores bearing sterile spines. Zygosporangia Mucor-like; heterothallic. Saprobic or gall-forming mycoparasites, psychrophilic or psychrotolerant.

Holotype: *Chaetocladium* Fresen. 1863.

Choanephoroidae K. Voigt & P.M. Kirk, subfam.nov.

IF550021

Sporangia bearing sporangiospores with hair-like polar appendages. Zygosporangia brown, with a thin, smooth zygosporangium and a thick, striate zygosporangium wall; with tongs-like suspensors; homothallic.

Holotype: *Choanephora* Curr. 1873.

Cokeromycetoideae K. Voigt & P.M. Kirk, subfam.nov.

IF550070

Forming sporangiola on relatively long, curved to twisted and contorted, unbranched pedicels covering the entire surface of a fertile vesicle at the apex of a typically unbranched sporangiophore. Zygosporangia Mucor-like; homothallic.

Holotype: *Cokeromyces* Shanor 1950.

Cunninghamelloideae K. Voigt & P.M. Kirk, subfam.nov.

IF550067

Forming single-spored sporangiola on fertile vesicles borne on lateral branches and at the apex of the sporangiophore. Zygosporangia Mucor-like; heterothallic or homothallic.

Holotype: *Cunninghamella* Matr. 1903.

Dichotomocladioideae K. Voigt & P.M. Kirk, subfam.nov.

IF550087

Sporangiophores bearing a fertile region arising from a lateral branch and comprising a dichotomously branched system, the terminal branches bearing unispored sporangiola or rarely forming sterile spines. Zygosporangia Mucor-like; heterothallic.

Holotype: *Dichotomocladium* Benny & R.K. Benj. 1975.

Dicranophoroideae K. Voigt & P.M. Kirk, subfam.nov.

IF550069

Forming small sporangia on simple or dichotomously branched sporophores arising from the substrate hyphae or aerial mycelium. Often found as facultative parasites of mushrooms.

Holotype: *Dicranophora* J. Schröt. 1886.

Gilbertelloideae K. Voigt & P.M. Kirk, subfam.nov.

IF550022

Sporangia bearing sporangiospores with hair-like polar appendages. Zygosporangia dark brown to black, with a thick, spiny zygosporangium obscuring a non-striate zygosporangium wall; with opposed suspensors; homothallic.

Holotype: *Gilbertella* Hesselt. 1960.

Lichtheimioideae K. Voigt & P.M. Kirk, subfam.nov.

IF550086

Sporangiophores forming rhizoids and stolons; sporangia multispored. Zygosporangia Mucor-like; heterothallic or homothallic.

Holotype: *Lichtheimia* Vuill. 1903.

Mycotyphoideae K. Voigt & P.M. Kirk, subfam.nov.

IF550071

Forming unispored sporangiola on cylindrical fertile vesicles at the apex of unbranched sporangiophore. Zygosporangia Mucor-like; heterothallic or homothallic.

Holotype: *Mycotypha* Fenner 1932.

Rhizomucoroideae K. Voigt & P.M. Kirk, subfam.nov.

IF550085

Sporangia multispored; sporangiophores forming rhizoids, stolons absent. Zygosporangia Mucor-like; heterothallic or homothallic.

Holotype: *Rhizomucor* Lucet & Costantin 1900.