

34. Papposphaeraceae Jordan & Young (1990) emend. Andruleit & Young (2010)

Diagnosis. Coccolithophores bearing narrow-rimmed muralith coccoliths. Rim has form of a narrow slightly flaring wall formed of laths of two alternating types. One lath type relatively small, confined to the proximal part of the wall, the other vertically expanded. Central area usually spanned by a central cross, hollow quadrate central process often present.

Genera included. *Papposphaera*, *Pappomonas*, *Picarola*, *Pocillithus*, *Kataspinifera* and *Vexillarius*. Note: as discussed below, the diagnosis and circumscription of the Papposphaeraceae is broadened here.

Andruleit, H. & Young, J. R., 2010. *Kataspinifera baumannii*: a new genus and species of deep photic coccolithophores resembling the non-calcifying haptophyte *Chrysochromulina*. *Journal of Micropalaeontology*, **29**: 135-147.