

Family *Geminocystaceae*

Etymology

Geminocystis, referring to the type genus *Geminocystis*; *-aceae*, ending to denote a family; N.L. fem. pl. n.

Geminocystaceae, the *Geminocystis* family

Nomenclatural type

Genus “*Geminocystis*”

Description

[Tuji et al., 2021](#): Morphologically two types of cyanobacteria, with coccoid cells solitary or in groups and with uniseriate solitary trichomes. Solitary cells spherical to rod-shaped with rounded ends, with or without mucilage, without sheaths, divided by binary fission in one plane or into two perpendicular planes in successive generations. Trichome cells longer than wide, with rounded or flattened apical cells, without sheaths. Thylakoids radial, semi radial, irregular in the transverse plane, and parallel in the longitudinal plane.

Classification

Bacteria » *Cyanobacteriota* » *Cyanophyceae* » *Chroococcales* » *Geminocystaceae*

References

Effective publication: Tuji et al., 2021 [1]

Assigned taxonomically: Strunecký et al., 2023 [2]

Registry URL

<https://seqco.de/i:33327>

References

1. Tuji et al. (2021). *Annamia dubia* sp. nov. with a description of a new family, *Geminocystaceae* fam. nov. (Cyanobacteria). *Fottea*. DOI:10.5507/fot.2021.003
2. Strunecký et al. (2023). An updated classification of cyanobacterial orders and families based on phylogenomic and polyphasic analysis. *Journal of Phycology*. DOI:10.1111/jpy.13304