

## Phylum *Cyanobacteriota*

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### Etymology

[Cy.a.no.bac.te.ri.o'ta] N.L. neut. n. *Cyanobacterium*, the type genus of the phylum; *-ota*, ending to denote a phylum; N.L. neut. pl. n. *Cyanobacteriota*, the Cyanobacterium phylum

### Nomenclatural type

Genus *Cyanobacterium*

### Description

[Oren et al., 2022](#): The properties of the taxon are as described by [Castenholz, 2015](#) and emended by [Garcia-Pichel et al., 2020](#) as organisms in the domain Bacteria able to carry out oxygenic photosynthesis with water as an electron donor and to reduce carbon dioxide as a source of carbon, or those secondarily evolved from such organisms.

### Classification

*Bacteria* » *Cyanobacteriota*

### References

Effective publication: Oren et al., 2022 [1]

### Registry URL

<https://seqco.de/i:2098>

## References

1. Oren et al. (2022). Validation of the names *Cyanobacterium* and *Cyanobacterium stanieri*, and proposal of *Cyanobacteriota* phyl. nov. *International Journal of Systematic and Evolutionary Microbiology*. [DOI:10.1099/ijsem.0.005528](https://doi.org/10.1099/ijsem.0.005528)