

***Purpureonostoc*, a new name for a recently described genus of Nostoc-like cyanobacteria**

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Abstract: A new cyanobacterial genus was recently named *Purpurea*, based on morphology, 16S rRNA gene sequence and 16–23S ITS secondary structure, which differentiated it from the other Nostoc-like genera (CAI et al. 2020). The designation “*Purpurea*” is invalid as it is contrary to Art. 20.2 (Art. 20.2. “The name of a genus may not coincide with a Latin technical term in use in morphology at the time of publication unless it was published before 1 January 1912.”). As this new genus is similar to *Nostoc*, “*Purpurea* F. Cai et R. Li” nom. inval. is here renamed as *Purpureonostoc*.

Key words: Cyanobacteria, *Purpurea*, 16S rRNA gene, *Purpureonostoc*

***Purpureonostoc* F.F.Cai et R.H.Li gen. nov.**

Replaced designation: “*Purpurea* F.F. Cai et R.H. Li” (CAI et al. (2020), nom. inval.).

Description: CAI et al. (2020).

Type species: *Purpureonostoc tibetica* F. Cai et R. Li, below.

***Purpureonostoc tibetica* F.F. Cai et R.H. Li sp. nov.**

Replaced binary designation: *Purpurea tibeticum* F. Cai et R. Li (CAI et al. (2020), nom. inval.).

Description: CAI et al. (2020).

Holotype: HBI! No. TBCN201701 dry material deposited in the Freshwater Algal Herbarium, Institute of Hydrobiology, Chinese Academy of Science, Wuhan, China.

Type locality: Isolated from the wet soil samples in Tibet, China (30°46'32.90"N, 90°52'14.78"E).

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REFERENCES

CAI, F.; WANG, Y.; YU, G.; WANG, J.; PEN, X. & LI, R. (2020): Proposal of *Purpurea* gen. nov. (Nostocales, Cyanobacteria), a novel cyanobacterial genus from wet soil samples in Tibet, China. – Fottea 20: 86–97.

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