

***Stigonema rupestre*, nom. nov. – a replacement name for *Stigonema pseudominutum* Y.M.Lin & H.X.Xiao, nom. illeg. (Stigonemataceae, Cyanophyceae)**

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Lin & Xiao (2006) described three new species of genus *Stigonema* C.Agardh ex Bornet & Flahault (1886: 62) from Jilin Province in China. However, the name of one of these, *Stigonema pseudominutum*, had already been validly introduced by Claassen (1961: 563, pl. 1: figs 1, 2), giving that name priority. Here I propose a new name for *Stigonema pseudominutum* Y.M.Lin & H.X.Xiao (2006: 13) in accordance with ICN Art. 41.1 (Madrid Code, Turland & al. 2025).

***Stigonema rupestre* Levanets, nom. nov.**

Replaced synonym: *Stigonema pseudominutum* Y.M.Lin & H.X.Xiao, *Bulletin of Botanical Research [Harbin]* 26(1): 13, fig. 2, 2006 (as ‘pseudo-minutum’), nom. illeg., reproduced here as fig. 1. Priority for *Stigonema pseudominutum* Claassen (1961: 563, pl. 1: figs 1, 2, reproduced here as fig. 2).

Description: Thallus olive-green, cushion-like, with creeping and erect filaments. Filaments olive-green, with a narrow margin, 60–80 µm wide, irregularly branched; branches 30–45 µm wide, rounded at the ends; sheaths yellowish-brown when young, hyaline after maturity. Trichomes composed of multiseriate cells heaped together; cells globose or subglobose, 7.8–13 µm in diameter, regular. Protoplasts homogeneous, sometimes with minute granules. Heterocytes lateral or intercalary, globose or subglobose. Hormogonia arise terminally, rarely laterally, 50–228 µm long, 18.2–33.8 µ wide (from the Latin; Lin & Xiao 2006: 13).

Holotype: NENU (Herbarium of Northeast Normal University in Changchun, China), accession number W200200408.

Type locality: China: Jilin (吉林), Mt. Wunv [Wunü] (五女峰), Ji'an (集安), alt. 640 m a.s.l., on wet rocks, leg. H.X. Xiao & al., August 2002.

Registration (of name): <http://phycobank.org/107491>.

Etymology: The new epithet is derived from the habitat where this species was discovered, meaning “growing on rocks”.

Note: According to Lin & Xiao (2006: 13) this species is related to *Stigonema minutum* Hassall ex Bornet & Flahault (1886: 72), from which it differs by wider filaments and longer hormogonia.

Bornet, É. & Flahault, C. (1886). Révision des Nostocacées hétérocystées contenues dans les principaux herbiers de France (Troisième fragment). *Annales des Sciences Naturelles, Botanique, Septième série* 5: 51–129.

Claassen, M.I. (1961). A contribution to our knowledge of the freshwater algae of the Transvaal Province. *Bothalia* 7: 559–666, 37 pls.

Lin, Y.M., & Xiao, H.X. (2006). Three new species of *Stigonema* from Jilin Province, China. *Bulletin of Botanical Research [Harbin]* 26(1): 12–14, 3 figs. [in Chinese].

Turland, N.J., Wiersema, J.H., Barrie, F.R., Gandhi, K.N., Gravendyck, J., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Klopper, R.R., Knapp, S., Kusber, W.-H., Li, D.-Z., May, T.W., Monro, A.M., Prado, J., Price, M.J., Smith, G.F. & Zamora Señoret, J.C. editors (2025). International code of nomenclature for algae, fungi, and plants (2025 Edition Madrid Code) Regnum Vegetabile, Volume 162. pp. [i]–xlvi, 1–303. Chicago & London: The University of Chicago Press.

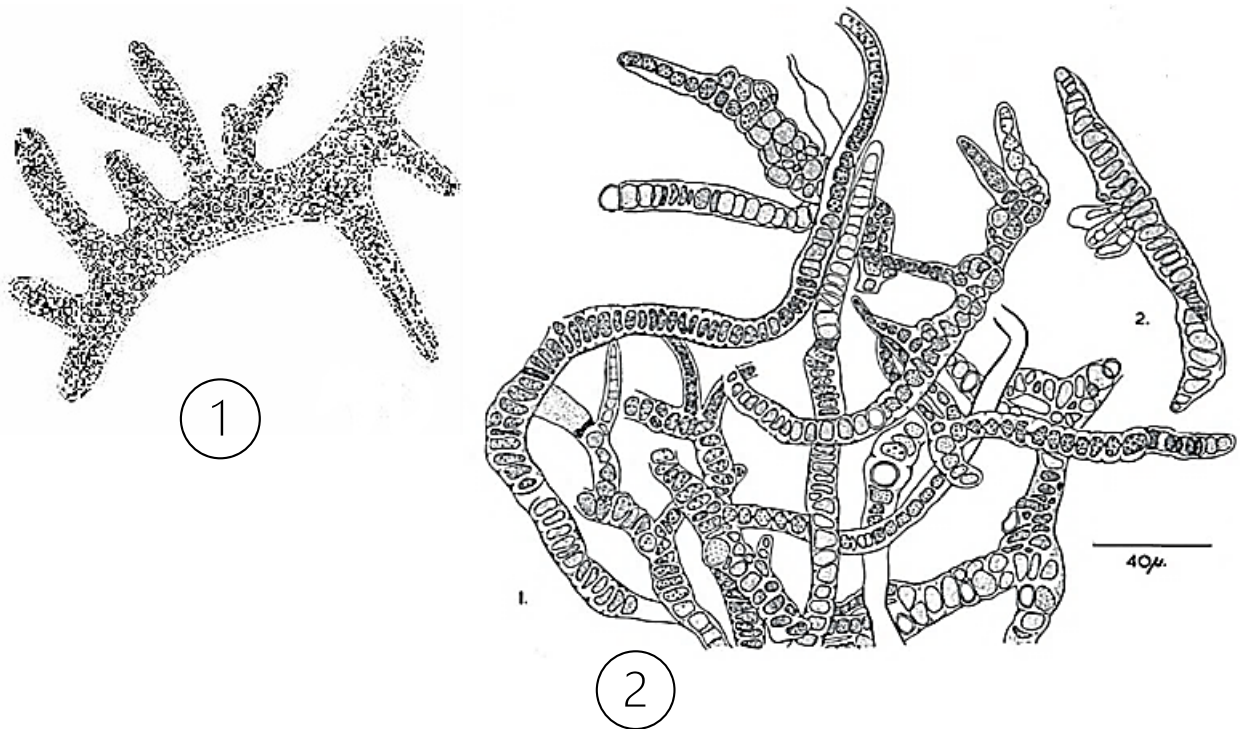


Fig. 1. *Stigonema rupestre* Levanets, *nom. nov.* (after Lin & Xiao 2006, as *Stigonema pseudominutum* Y.M.Lin & H.X.Xiao, *nom. illeg.*).

Fig. 2. *Stigonema pseudominutum* Claassen (after Claassen 1961).