

**Validation of *Johanseninema constrictum* (Szafer) P.Hašler, P.Dvořák & Poulíčková
(Chroococcaceae, Cyanophyceae)**

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Hašler & al. (2014a) established the cyanobacterial genus *Johansenia* P.Hašler, P.Dvořák & Poulíčková for the filamentous epipellic cyanobacterium *Oscillatoria constricta* Szafer. The genus was proposed based on morphological and ecological characteristics and included taxa formerly assigned to the genus *Komvophoron* Anagnostidis & Komárek.

Unfortunately, *Johansenia* was illegitimate under ICN Art. 53.1 (Turland & al. 2025) as a later homonym of *Johansenia* K.R.Hind & G.W.Saunders, established a year earlier for a rhodophyte genus (Hind & Saunders 2013). Additionally, the combination “*Johansenia constricta*” was not validly published because the authors cited the entire pagination of the original article rather than the exact page on which the basionym was validly published (Art. 41.5, Note 1). In addition, the reference list in Hašler & al. (2014a) cited an unrelated publication by Szafer rather than the actual place of valid publication of the basionym.

To correct the homonymy, Hašler & al. (2014b) introduced *Johanseninema* P.Hašler, P.Dvořák & Poulíčková as a replacement name for *Johansenia*. However, the intended combination “*Johanseninema constrictum* P.Hašler, P.Dvořák & Poulíčková” was itself not validly published. Again, the complete pagination of the article rather than the exact page of valid publication was cited. The combination is therefore validated here.

Johanseninema constrictum (Szafer) Hašler, Dvořák & Poulíčková ex U.B.Deshmukh, *comb. nov.*
Basionym: *Oscillatoria constricta* Szafer, *Bulletin International de l'Académie des Sciences de Cracovie, Classe des Sciences Mathématiques et Naturelles, Série B* 1910: 164. 1910.

Registration (of name): <http://phycobank.org/107286>

Homotypic synonyms: “*Johansenia constricta* (Szafer) P.Hašler, P.Dvořák & Poulíčková”, *Preslia* 86: 89. 2014, *nom. inval.*; “*Johanseninema constrictum* P.Hašler, P.Dvořák & Poulíčková”, *Preslia* 86: 293. 2014, *nom. inval.* Further synonymy in Hašler & al. (2014a: 84)

Type locality: Ukraine, Lviv Oblast, Lviv Raion, sulphur springs of Velykyi Liubin (Великий Любін, Polish: Lubień Wielki).

Lectotype (here designated): pl. VI [6]: fig. 3 in Szafer (1910).

Registration (of lectotype): <http://phycobank.org/107288>

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Anagnostidis, K. & Komárek, J. (1988): Modern approach to the classification system of cyanophytes. 3 – Oscillatoriales. *Algological Studies* 50–53: 327–472.

Geitler, L. (1925): Cyanophyceae. In: Pascher, A. (ed.), *Die Süßwasserflora Deutschlands, Österreichs und der Schweiz*, Heft 12, pp. 1–481. Gustav Fischer, Jena.

Hašler, P., Dvořák, P. & Poulíčková, A. (2014a): A new genus of filamentous epipellic cyanobacteria, *Johansenia*. *Preslia* 86: 81–94.



- Hašler, P., Dvořák, P. & Poulíčková, A. (2014b): *Johanseninema*, a corrected name for a recently described genus of filamentous epipellic cyanobacteria. *Preslia* 86: 293–294.
- Hind, K.R. & Saunders, G.W. (2013): A molecular phylogenetic study of the tribe Corallineae (Corallinales, Rhodophyta) with an assessment of genus-level taxonomic features and descriptions of novel genera. *Journal of Phycology* 49: 103–114.
- Lauterborn, R. (1915): Die sapropelische Lebewelt. – *Verhandlungen des Naturhistorisch-Medizinischen Vereins zu Heidelberg* 13: 395–481.
- Szafer, W. (1910): Zur Kenntnis der Schwefelflora in der Umgebung von Lemberg. – *Bulletin International de l'Académie des Sciences de Cracovie, Classe des Sciences Mathématiques et Naturelles, Série B* 1910(3): 161–167.
- Turland, N.J., Wiersma, 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]–xlvii, 1–303. Chicago & London: The University of Chicago Press.