

***Pteromonas sungariensis*, nom. nov., a replacement name for *Pteromonas armata* Skvortzov 1957, nom. illeg. (Phacotaceae, Chlorophyceae)**

Anatoliy Levanets

Unit for Environmental Sciences and Management, North-West University, Potchefstroom, South Africa (correspondence: anatoliy.levanets@nwu.ac.za, 20868421@nwu.ac.za)

In 1957, Boris Vassilievich Skvortzov (1896–1980) published a paper on flagellate algae from North Manchuria in China where he described numerous new taxa. However, the name of one of described species, *Pteromonas armata*, had already been introduced by Korshikov (1939: 356 [Ukrainian], 359 [Russian], 360 [English], pl. 3: figs 20–22), giving that name priority. Here I propose a new name for *Pteromonas armata* Skvortzov (1957: 158) in accordance with ICN Art. 41.1 (Madrid Code, Turland & al. 2025).

***Pteromonas sungariensis* Levanets, nom. nov.**

Replaced synonym: *Pteromonas armata* Skvortzov *Philippine Journal of Science* 86(2): 158, pl. 2: fig. 34, 1957, nom. illeg., reproduced here as fig. 4. Priority for *Pteromonas armata* Korshikov 1939, reproduced here as figs 1–3.

Description: Cell cylindrical in front view, concave in the anterior part, not papillate, with rounded corners, posteriorly straight, tri-spinous; cell membrane hyaline, rigid; oblong cytoplasm retracted to the anterior part of the cell; parietal granulated chloroplasts, single central pyrenoid; nucleus not observed; anterior stigma; flagellum twice the length of the cell; from the side and top oblong or ovate, with very short obliquely curved spines at the tips; length 14–15 µm, width 8 µm (modified from the Latin of Skvortzov 1957).

Lectotype (**here designated**): [icon!] Skvortzov (1957: pl. 2: fig. 34, line drawing of a single cell from a single gathering, ICN Art. 40.6, reproduced here as fig. 4).

Type locality: China: “*Habit prope Charbin* [Harbin City, Heilongjiang Province] *in stagno* [in a pond, swamp], *Manshuria borealis* [Northern Manchuria], *leg. B.W. Skvortzov*”.

Registration (of name): <http://phycobank.org/107036>.

Registration (of lectotype): <http://phycobank.org/107038>.

Etymology: The new epithet is derived from the area where this species was discovered: suburbs of Harbin, in the marshy valley of the Sungari River (Skvortzov 1957: 139).

Note: Here I draw attention to Skvortzov’s (1967) article where he repeated description and illustration (with very minor differences) of the same taxon [as “*sp. nov.*”] (\equiv *Pteromonas armata* Skvortzov 1967: 84 (key), 90, pl. 2: fig. 22, nom. illeg., reproduced here as fig. 5).

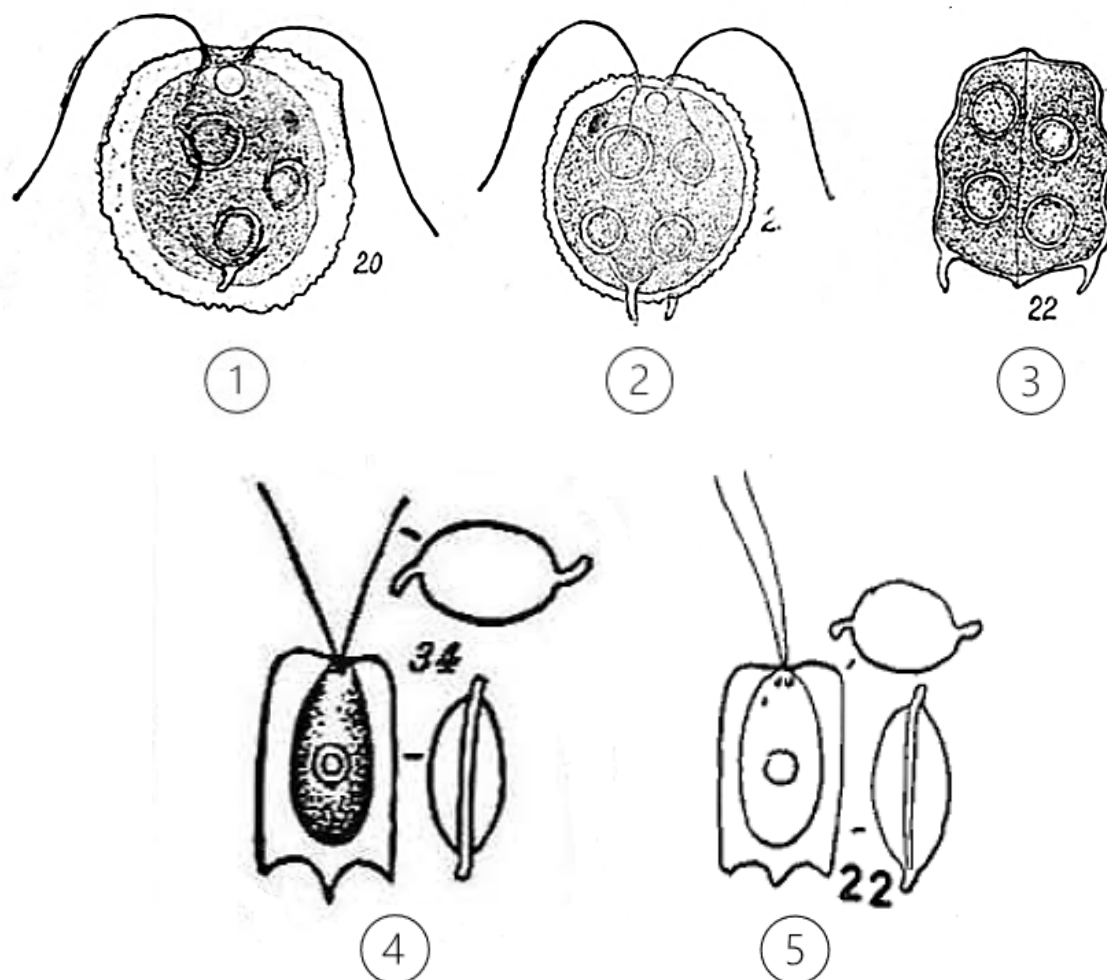
Korshikov, A.A. (1939). New species of the genus *Pteromonas* Seligo. *Journal botanique de l'Academie des sciences de la RSS d'Ukraine* 21–22(29–30): 353–367, 3 plates [in Ukrainian: Коршіков, А.А. 1939. Нові види роду *Pteromonas* Seligo. *Журнал Інституту ботаніки АН УРСР* 21–22(29–30): 353–367, with Russian and English summaries].

Skvortzov, B.V. (1957). New and rare Flagellatae from Manchuria, Eastern Asia. *Philippine Journal of Science* 86(2): 139–202, 6 plates.

Skvortzov, B.V. (1967). New and little known species of genus *Pteromonas* Seligo (Phacotaceae, Volvocineae) from Harbin, Northern Manchuria, China. *The Bulletin of Japanese Society of Phycology* 15(2): 82–96, incl. 2 pls.

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]–xlvii, 1–303. Chicago & London: The University of Chicago Press.



Figs 1-3. *Pteromonas armata* Korshikov (after Korshikov 1939): 1-2 – cell in broad side view; 3 – old, thick cell from the narrow side (flagella not shown).

Fig. 4. *Pteromonas sungariensis* Levanets, *nom. nov.* (after Skvortzov 1957).

Fig. 5. *Pteromonas armata* Skvortsov, *nom. illeg.* (after Skvortzov 1967).