Brachionococcus **Naumann (*Chlorellaceae, Trebouxiophyceae*)**

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In proposing the new designation "*Aliichlorella chlorelloides*" Krivina & al. (2024: [10]) inadvertently cited the intended basionym incorrectly, thus not meeting the requirements of ICN Art. 41.5 (Turland & al. 2018). A subsequent correction to the text published on 13 June 2024 also failed to meet the requirements of Art. 41.5.

Additionally, in proposing the new genus name *Aliichlorella* Krivina, Portnov & Temraleeva the authors inadvertently included the type of a valid and legitimate genus name, *Brachionococcus* Naumann (1921: 15), *Brachionococcus chlorelloides* Naumann (1921, 15, figs 8, 9), thus rendering the genus name *Aliichlorella* nomenclaturally superfluous. The following nomenclatural adjustments are therefore necessary.

Brachionococcus Naumann
Type: *Brachionococcus chlorelloides* Naumann *Arkiv för Botanik* 16(2): 15, figs 8, 9, 1921 '1919'.
Type locality: unknown lake in Sweden.
Synonyms: *Dictyosphaerium chlorelloides* (Nauman) Komárek & Perman (1978: 252, figs 7, 11–14). *Chlorella chlorelloides* (Naumann) C.Bock, Krienitz & Pröschold (2011: 304). *Aliichlorella chlorelloides* (Naumann) Krivina, Portnov & Temraleeva.
Note: An epitype for the "Holotype: Fig. 8–9, Naumann 1921" was designated for *Brachionococcus chlorelloides* by Bock & al. (2011: 304, "Material of the strain CB2008/110 was cryopreserved in metabolic inactive state at the Culture Collection of Algae and Protozoa, Oban, Scotland under the designation CCAP 211/116."). ITS sequences from CCAP 211/116 were employed in construction of the phylogenetic tree in Krivina & al. (2024: fig. 2).

Brachionococcus ignota **(**Krivina, Portnov & Temraleeva) Krivina, Portnov, Temraleeva & Guiry, *comb. nov.*
Basionym: *Aliichlorella ignota* Krivina, Portnov & Temraleeva *Phycological Research* 2024: https://doi.org/10.1111/pre.12551: [9]
Registration: http://phycobank.org/104732

Brachionococcus pulchelloides (C.Bock, Krienitz & Pröschold) Krivina, Portnov, Temraleeva & Guiry, *comb. nov.*
Basionym: *Chlorella pulchelloides* C.Bock, Krienitz & Pröschold *Fottea* 11(2): 300, figs 10, 11, 13.
Registration: http://phycobank.org/104733
Synonym: *Aliichlorella pulchelloides* (C.Bock, Krienitz & Pröschold) Krivina, Portnov & Temraleeva

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Naumann, E. (1921 '1919'). Notizen zur Systematik der Süsswasseralgen. *Arkiv för Botanik* 16(2): 1-19, 12 figures.

Komárek, J. & Perman, J. (1978). Review of the genus *Dictyosphaerium* (Chlorococcales). *Archiv für Hydrobiologie* 51: 233-297, 20 figures, 2 tables.

Krivina, E., Portnov, A. & Temraleeva, A. 2024. A description of *Aliichlorella ignota* gen. et sp. nov. and a comparison of the efficiency of species delimitation methods in the *Chlorella*-clade (Trebouxiophyceae, Chlorophyta). *Phycological Research*. https://doi.org/10.1111/pre.12551. Published on-line on 15 April 2024.

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