

***Tetradesmus lagerheimii* M.J.Wynne & Guiry, nomen novum, a replacement name for *Tetradesmus acuminatus* (Lagerheim) M.J.Wynne, nom. illeg. (Sphaeropleales, Chlorophyta)**

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It has come to our attention that the binomial *Tetradesmus acuminatus* (Lagerheim) M.J.Wynne (in Wynne & Hallan, 2015) is a later homonym of *T. acuminatus* C.-C.Jao & Z.-Y.Hu (in Z.-Y.Hu, 1992) and thus illegitimate. Earlier, Wynne & Hallan (2015) had pointed out that *Tetradesmus wisconsinensis* G.M.Smith had been transferred to *Acutodesmus* by P.M.Tsarenko (in Tsarenko and Petlovanny, 2001). However, *T. wisconsinensis* is the generitype of *Tetradesmus* G.M.Smith (1913), a valid and legitimate name with priority over *Acutodesmus*. *Acutodesmus* was first proposed as a subgenus and section of *Scenedesmus* by Hegewald (1978: 355, 378) and was later elevated to generic level by Tsarenko (in Tsarenko & Petlovanny, 2001). That led Wynne (in Wynne & Hallan, 2015) to propose the transfer of a number of taxa validated and currently recognized as assigned to *Acutodesmus* over to *Tetradesmus*. One of these names transferred to *Tetradesmus* was *T. acuminatus* (Lagerheim) M.J.Wynne. That binomial, however, was already occupied by *T. acuminatus* C.-C.Jao & Z.-Y.Hu (in Hu, 1992). We therefore make the following proposal to replace *T. acuminatus* (Lagerheim) M.J.Wynne:

***Tetradesmus lagerheimii* M.J.Wynne & Guiry nomen novum**

≡ *Tetradesmus acuminatus* (Lagerheim) M.J.Wynne in M.J.Wynne & Hallan, *Feddes Repertorium* 126: 84, 2015, nom. illeg.

≡ *Selenastrum acuminatum* Lagerheim, 1882.

≡ *Scenedesmus acuminatus* (Lagerheim) Chodat, 1902.

≡ *Acutodesmus acuminatus* (Lagerheim) P.M.Tsarenko in P.M.Tsarenko & Petlovanny, 2001.

Chodat, R. (1902). *Algues vertes de la Suisse. Pleurococcoïdes – Chrooléoïdes Beiträge Kryptogamenflora der Schweiz*. Band 1. Heft 3. pp. i-xii, 1-373. Druck und Verlag von K. J. Wyss, Libraire-Éditeur, Berne.

Hegewald, E. (1978). Eine neue Unterteilung der Gattung *Scenedesmus* Meyen. *Nova Hedwigia* 30: 343-376.

Hu, Z.-Y. (1992). Two new species of *Tetradesmus* (Chlorococcales) from China. *Acta Hydrobiologica Sinica* 6(4): 377-378 [“Dec. 1992”].

Lagerheim G. (1882). Bidrag till kännedomen on Stockholmstraktens Pediastréer, Protococcacéer och Palmellacéer. *Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar* 39(2): 47-81, 2 pls.

Smith, G.M. (1913). *Tetradesmus*, a new four-celled coenobitic alga. *Bulletin of the Torrey Botanical Club* 40: 75-87, 1 pl.

Tsarenko, P.M. & Petlovanny, O. (2001). Doplolnieniek Raznoobraziju vodoroslej Ukrainy. [Addition to the “Diversity of algae in Ukraine”]. *Algologia* Suppl. (Unnumbered): 1-130, [n. v.]

Wynne, M.J. & Hallan, J.K. (2015). Reinstatement of *Tetradesmus* G. M. Smith (Sphaeropleales, Chlorophyta). *Feddes Repertorium* 126: 83-86.