

**Validation of the diatom family name *Staurotropidaceae*, fam. nov. (*Bacillariales*, *Bacillariophyceae*)**John Patrick Kociolek¹, Matt P. Ashworth² & Andrew J. Alverson³¹*Museum of Natural History and Department of Ecology and Evolutionary Biology, University of Colorado, Boulder, Colorado, USA* (correspondence: patrick.kociolek@colorado.edu)²*UTEX Culture Collection, Department of Molecular Biosciences, The University of Texas at Austin, Austin, Texas, USA*³*Department of Biological Sciences, University of Arkansas, Fayetteville, Arkansas, USA*

In proposing a new phylogenetic classification of the diatoms, Kociolek & al. (2026) included the name of a new family in the order *Bacillariales* but did not provide a formal description of this family “*Staurotropidaceae*”, which included a single genus, *Staurotropis* Paddock (1988: 91) and three species (Paddock 1988; Ashworth & al. 2016). This renders the family invalid. To rectify this omission we here present a validating description for this designation.

Staurotropidaceae Kociolek, Ashworth & A.J.Alverson, *fam. nov.*

Description: Cells with numerous small plastids. Valves with a stauros, raphe raised on the valve on a ridge, straight, lacking fibulae. Raphe rib appearing bilobed in girdle view. Cells lacking pronounced helictoglossae. Central area without crescent-like thickenings. Marine.

Type: *Staurotropis* Paddock *Bibliotheca Diatomologica* 16: 91, 1988.Type: *Staurotropis seychellensis* (Giffen) Paddock, *Bibliotheca Diatomologica* 16: 92, pl. 34: figs 1, 2, 1988 (≡ *Tropidoneis seychellensis* Giffen *Bacillaria* 3: 154, figs 42-44, 1980).Registration (of family name): <http://phycobank.org/106793>

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Giffen, M.H. (1980). A checklist of marine littoral diatoms from Mahé, Seychelles Islands. *Bacillaria* 3: 129-159, 3 plates.

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