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PhytoKeys

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There are extremely diverse inland freshwater ecosystems in China and their diatom floras are largely underexplored. Here, we report a study of the diatom genus *Ulnaria* in Hunan, Guizhou, and Qinghai provinces, China during the period of 2014–2022. 23 new *Ulnaria* species have been found and described. A key to the *Ulnaria* species that have been described from China is provided. The main morphological characteristics for 63 *Ulnaria* taxa are summarized. The whole life history of *Ulnaria* is revealed for the first time. Several conclusions for the characterization of *Ulnaria* are drawn. The closed valvocopula is proposed as a definition character for the genus *Ulnaria*.

THE DIATOM GENUS *ULNARIA* (BACILLARIOPHYTA) IN CHINA

BY
BING LIU



Ulnaria ulnabiseriata D.M. Williams & Bing Liu

For those who want their work rapidly known to the World !

FOUNDER

Lyubomir Penev

Institute of Biodiversity and Ecosystem Research
Bulgarian Academy of Sciences
Yurii Gagarin Street 2
1113 Sofia, Bulgaria
E-mail: l.penev@pensoft.net

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Pensoft Publishers
Prof. Georgi Zlatarski 12, 1700 Sofia, Bulgaria.
Tel. +359-2-8704281, Fax +359-2-8704282
E-mail: phytokeys@pensoft.net

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