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3. Guiry, M. D., *J. Phycol.*, 2012, **48**(5), 1057–1063.
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Response:

We recommend all the students to use DiatomBase¹ to check the recent and correct name of diatoms before publication. Detail entries of diatom taxa in DiatomBase are done by taxonomic editors after

proper checking. AlgaeBase² is one of the pioneer sites for compilation of algal taxa details, most often we follow the database and DiatomBase editors also compile data of diatoms from the AlgaeBase. We mentioned³ that ‘AlgaeBase covers only 14,843 diatom taxa’ and we got the details from the AlgaeBase taxonomic browser page under phylum Bacillariophyta on 5 March 2018. On the taxonomic browser page of AlgaeBase, we have seen 16,779 taxa records under the phylum Bacillariophyta at the time of writing this reply. We give here the link to the page saved on 11 June 2021 <https://www.algaebase.org/browse/taxonomy/?id=139141>. But we are unable to trace the claim of Guiry that AlgaeBase currently (April 2021) includes 53,051 diatom taxa in total. In an online ‘Catalogue of Diatom Names’ by the California Academy of Sciences, USA, 64,000+ diatom taxa have been included and the same

has not been updated regularly, so the dire need of a new and reliable resource was felt for long time that could be updated frequently.

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