

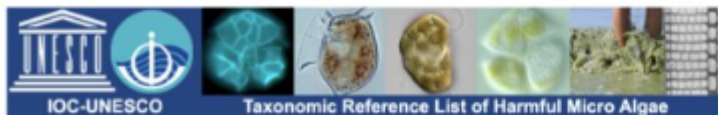
The deadline to submit contributions to the upcoming issue of Harmful Algae News (#78) is February 1st 2025.

We are pleased to invite contributions to the upcoming issue of Harmful Algae News (HAN), a newsletter aimed at sharing the latest developments in harmful algal blooms (HABs) with the international community. We welcome short feature articles, reports of new harmful algal events, as well as highlights from international, regional, and national HAB conferences, working groups, new books/manual and training or networking activities.

Harmful Algae News

AN IOC NEWSLETTER ON TOXIC ALGAE AND ALGAL BLOOMS

No. 77 – December 2024 · <https://hab.ioc-unesco.org/>



New toxic species – and what about their names?

News from the IOC-UNESCO Task Team on Algal Taxonomy

The IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae (available via the *HAB Index*) is an actively maintained and comprehensive list of all microalgae known to produce toxins.

- ◆ It may serve as a starting point for assessing toxigenic microalgae.
- ◆ It provides up-to-date and accurate nomenclature.

The list presently includes 116 dinoflagellates, 43 cyanobacteria, 31 diatoms, eight haptophytes, seven raphidophytes, and three dictyochophytes, and the number is steadily increasing.

A group of editors (listed below) continuously updates the list and welcomes suggestions for modifications.

Before reviewing the changes to the list over the past few years, the editorial team would like to extend a heartfelt thank you to Santi Fraga for his invaluable contributions as the editor of the *Alexandrium* group!

We also welcome new editors: Shau-na Murray (responsible for the Amphidinales), Urban Tillman (responsible for the Amphidomataceae, Peridinales) and Rafael Salas (responsible for the Thoracosphaerales) – thank you for joining the team!!

Recently, we have begun updating information on each species by adding details on morphology, particularly features important for accurate identification, including micrographs. Information on resting stages (cysts, akinetes, etc.) has been included, as well as references to selected GenBank sequences, preferably from or near the type locality. Furthermore, we are working on including more cyanobacteria, this section of the list remains incomplete, particularly concerning freshwater species. Additionally, the list has been updated

to reflect that several species have been confirmed to be toxigenic (Table 1).

Additions to the list

(in red: recently described species, in black: species not recently described but newly identified as toxic):

Dinoflagellates

- *Alexandrium fragae*, *A. limii*, *A. ogatae*, *A. taylorii*
- *Centrodinium punctatum*
- *Gambierdiscus caribaeus* and *G. silvae* (new algal CTX-toxin: CTX5), *G. cheloniae*, *G. holmesii*, *G. honu*, *G. lewisii*
- *Gonyaulax bohainensis*, *G. taylorii*
- *Prorocentrum calpirignum*, *P. fukuyoi*, *P. porosum*, *P. steidingerae*
- *Coolia malayensis*
- *Amphidinium magnum*, *A. pseudomassartii*, *A. tomasii*

Diatoms

- *Pseudo-nitzschia bipertita*, *P. punctationis*, *P. simulans*, *P. subcurvata*

Raphidophytes

- *Chattonella malayana*

Additional modifications to the list are outlined below:

Some species have been renamed

- *Karenia digitata* has been transferred to *Karlodinium digitatum*.
- *Karenia umbella* is a junior synonym of *Karenia longicanalis*.
- *Lingulodinium polyedra* is now renamed as *Lingulaulax polyedra*. *Lingulaulax polyedra* is a new name for *Lingulodinium polyedra*; as such, the genus *Lingulodinium* Wall 1967 is retained in its exclusively fossil status [1].



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Your contributions are valuable for keeping the community informed of significant advances and ongoing efforts in the field of harmful algae research and management.

Submission details:

- Deadline for submission: February 1st 2025
- Contributions can be submitted via email to either of the following editors-in-chief:
 - o Beatriz Reguera
Email: beatriz.reguera@ieo.csic.es
 - o Kenneth Neil Mertens
Ifremer
Email: kenneth.mertens@ifremer.fr

For more information about Harmful Algae News and past issues, please visit our website at <https://hab.ioc-unesco.org/harmful-algae-news/>.

We look forward to your contributions and thank you in advance for your support in making the next edition of HAN informative and impactful for the HAB community.