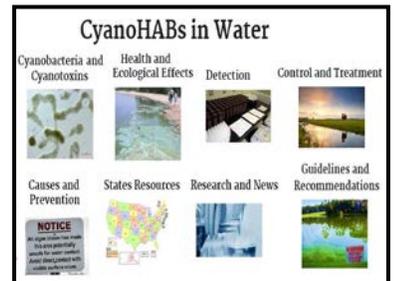


Freshwater HABs Newsletter



Supplemental/Research Indicator Call for Proposals for the National Coastal Condition Assessment

US EPA is calling for supplemental or research indicators to be considered for inclusion in the 2020 [National Coastal Condition Assessment](#) (NCCA). The NCCA is a statistically valid survey of the coastal waters of the U.S. that is conducted by the EPA Office of Water in partnership with the EPA Office of Research and Development, state water quality agencies, and other partners such as NOAA and the National Park Service. Proposals should consist of a one-to-two-page summary of the indicator, including specific proposal elements. Proposals will be evaluated by the NCCA Steering Committee and the champion may be invited to present the indicator to the Committee for discussion during the Spring/Summer of 2018. Those interested in proposing new indicators and for descriptions of required proposal elements please contact Hugh Sullivan (sullivan.hugh@epa.gov), by March 31, 2018.

New York to Host Regional HABs Summits

As part of the \$65 million four-point [initiative](#) to aggressively combat HABs, NY is hosting four regional summits to protect vulnerable lakes and waterbodies in Upstate New York from HABs. Each summit will include an evening session that is open to the public where background information about HABs will be provided. The sessions will include talks by experts, a panel discussion and an opportunity for local residents to share recommendations and ideas. For dates and locations, please go [here](#).

New [GlobalHAB](#) Website to advance research on HABs

This website contains information about the mission, organization, and history of the GEOHAB (Global Ecology and Oceanography of Harmful Algal Blooms) program, current and past research topics and activities, and a number of publications, reports, and resources.

Global Microcystin Aggregation (GMA) GLEON project

The Global Lake Ecological Observatory Network (GLEON) is looking to form a core group of cyanobacteria researchers, algal/metabolite ecologists, ecological modelers, and database managers who might have spatial or temporal microcystin datasets to compile global microcystin occurrence and concentration data from lakes and reservoirs. The goal of the GMA project is to compile a global spatial/temporal dataset of freshwater microcystin and associated physicochemical water quality (e.g., TN, TP, Chl, Secchi, temperature, etc.), lake morphology (e.g., mean depth, volume, surface area), and watershed (e.g., land use metrics, watershed area) data. For more information, please contact Ted Harris at Ted.daniel.harris@gmail.com

UPCOMING EVENTS

[2018 North Dakota Water Quality Monitoring Conference](#)
March 6-8, 2018

[2nd Interdisciplinary Freshwater Harmful Algal Blooms Workshop](#)
April 16th-18th, 2018
Toronto, Canada

[SETAC Europe HABs Special Session](#)
May 13-17, 2018
Rome, Italy

[ASLO 2018 HABs Special Session](#)
June 10-15, 2018
Victoria, BC, Canada

[IAGLR 2018 Conference HABs Special Session](#)
June 18-22, 2018
Toronto, Canada

[UCOWR & NIWR 2018 Annual Water Resources Conference](#)
June 26-28, 2018
Pittsburgh, PA

[18th ICHA](#)
October 21-26, 2018
Nantes, France

[NALMS 2018](#)
October 30 – Nov. 2, 2018
Cincinnati, OH



To sign up please send an email to:
epacyanohabs@epa.gov



For more information, please visit the [USEPA's CyanoHABs Website](#)

BLOOMS, BEACH CLOSURES and HEALTH ADVISORIES*, FEBRUARY 2018

 [California](#) (4)  [Ohio](#) (1)  [Oregon](#) (1)  [Virginia](#) (2)  [Washington](#) (1)

* Include blooms, cautions, warnings, public health advisories, closings and detections over the State's threshold, due to the presence of algae, toxins or both. This is NOT a comprehensive list, and many blooms may have not been reported.

RECENTLY PUBLISHED ARTICLES

[Algal Blooms and Cyanotoxins in Jordan Lake, North Carolina](#)

Wiltsie, D.; Schnetzer, A.; Green, J.; Vander Borgh, M.; Fensin, E. *Toxins* 2018, 10, 92.

[Effects of different light source and media on growth and production of phycobiliprotein from freshwater cyanobacteria](#)

Helena Khatoon, Lai Kok Leong, Norazira Abdu Rahman, Sohel Mian, Hasina Begum, Sanjoy Banerjee, Azizah Endut, *Bioresource Technology*, Volume 249, February 2018, pp. 652-658.

[The role of algal organic matter in the separation of algae and cyanobacteria using the novel "Posi" - Dissolved air flotation process](#)

Narasinga Rao Hanumanth Rao, Russell Yap, Michael Whittaker, Richard M. Stuetz, Bruce Jefferson, William L. Peirson, Anthony M. Granville, Rita K. Henderson, *Water Research*, Volume 130, 1 March 2018, pp. 20-30.

[Cyanotoxins as the "common suspects" for the Dalmatian pelican \(*Pelecanus crispus*\) deaths in a Mediterranean reconstructed reservoir](#)

T. Papadimitriou, M. Katsiapi, K. Vlachopoulos, A. Christopoulos, C. Laspidou, M. Moustaka-Gouni, K. Kormas, *Environmental Pollution*, Volume 234, 2018, pp. 779-787.

[Renal tubular damage caused by cylindrospermopsin \(cyanotoxin\) in mice](#)

A.C.N. Moraes, V.F. Magalhães, *Toxicology Letters*, Volume 286, 2018, pp. 89-95.

[Electrochemical inactivation of *Cylindrospermopsis raciborskii* and removal of the cyanotoxin cylindrospermopsin](#)

Belal Bakheet, Md Ashraf Islam, John Beardall, Xiwang Zhang, David McCarthy, *Journal of Hazardous Materials*, Volume 344, 2018, pp. 241-248

[Development of waste biomass based sorbent for removal of cyanotoxin microcystin-LR from aqueous phases](#)

Sok Kim, Yeoung-Sang Yun, Yoon-E Choi, *Bioresource Technology*, Volume 247, 2018, pp. 690-696.

[Development and single-laboratory validation of a UHPLC-MS/MS method for quantitation of microcystins and nodularin in natural water, cyanobacteria, shellfish and algal supplement tablet powders](#)

Andrew D. Turner, Julia Waack, Adam Lewis, Christine Edwards, Linda Lawton, *Journal of Chromatography B*, Volumes 1074–1075, 2018, pp. 111-123.

Important Links

- ✓ [USEPA's Fish and Shellfish Program Newsletter – February 2018](#)
- ✓ [Harmful Algae News 25 years Anniversary Special Issue](#)
- ✓ [iNaturalist Cyanoscope Cyanobacteria Guide](#)
- ✓ [Proposal to include MC-LR in the Revision of the Directive on the Quality of Water Intended for Human Consumption- under public consultation until April 2, 2018](#)

This newsletter was created by [Dr. Lesley V. D'Anglada](#), Office of Science and Technology, Office of Water, EPA. Mention of trade names, products, or services does not convey and should not be interpreted as conveying official EPA endorsement, approval or recommendation for use.

For previous newsletters, go to [Freshwater HABs Newsletter](#).