



toxins



an Open Access Journal by MDPI

New Frontiers in Monitoring, Detecting and Response to Marine and Freshwater Algal Toxins and Their Causative Organisms

Guest Editors:

Dr. Steve Morton

National Oceanic Atmospheric Admin (NOAA), Harmful Algal Bloom Monitoring and Reference Branch, Charleston, SC, USA

Dr. Marie-Yasmine Dechraoui Bottein

Université Côte d'Azur, CNRS, UMR 7035 ECOSEAS, Nice, France

Deadline for manuscript submissions:

closed (28 February 2023)

Message from the Guest Editors

Harmful algal blooms (HABS) in both marine and freshwater habitats are a global growing concern, enhanced by the increasing need to exploit coastal resources and habitats. The negative environmental and public and animal health issues from HABS have been noted recently in association with pet deaths, fish kills, and disease outbreaks in marine birds and mammals. Toxins from these blooms can have catastrophic effects on coastal ecosystem, animal and human health. Causative species identification coupled with toxin analysis are critical to minimize and mitigate the impacts of these natural phenomenon and develop early warning systems to protect consumers and promote fishery trades.

This special issue calls for manuscripts that deal with strategies for fresh water or marine algal species and biotoxin monitoring and methodologies for toxin analysis to improve understanding of HAB origin, occurrence and consequences and allow science based responses to HAB events, with a special interest of HAB data from developing countries in Africa, Latin America, the Caribbean and Asia-pacific.



mdpi.com/si/109393

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.**

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Contact Us

Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](https://twitter.com/Toxins_Mdpi)