



The Phenomenon of Toxin-Producing Cyanobacterial Blooms and Their Impact on Aquatic Organisms, Ecosystems, and Human Health

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Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

In particular, this Special Issue welcomes papers on:

- environmental (climatic, hydrological etc.) conditions for the formation of cyanobacterial blooms in fresh-, brackish-, and marine waters;
- monitoring of toxic cyanobacterial blooms, metabolites, and metabolites' transformation products in aquatic environments;
- factors influencing the bioaccumulation, biotransformation, and decomposition of cyanobacterial metabolites;
- structural characterization of new cyanobacterial metabolites;
- biology, ecology, and monitoring of aquatic organisms living in ecosystems affected by cyanobacterial blooms;
- the influence of cyanotoxins and other cyanobacterial metabolites on aquatic organisms, ecosystems and human health: risk assessment;
- the development of monitoring systems of cyanobacterial metabolites in waters and assessment of aquatic toxicity: scaling techniques, dynamic models, biological indicators;
- role of modeling and remote sensing measurements as tools in HCBs management.



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Both original research papers and review papers are welcomed.

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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