Special Issue

Advances in Detecting, Monitoring, Predicting, Managing and Controlling Harmful Algal Blooms

Message from the Guest Editor

To highlight recent advances in studying freshwater algal blooms, this Special Issue covers a broad spectrum of cyanobacterial bloom research topics, from the nature and ecology of cyanotoxin and algal bloom, analytical technologies, causes, and health impacts, to monitoring, forecasting, managing, and controlling algal blooms, organized as follows:

- Analytical technologies (immunoassay, chromatography-based methods, etc.) for cyanotoxins (e.g., microcystin, anatoxin-a) and toxigenic cyanobacteria (e.g., microcystin-producing cyanobacteria);
- Ecology of cyanotoxins and cyanobacteria;
- Causes of cyanobacterial blooms;
- Health effects of cvanobacterial blooms:
- Monitoring cyanobacterial blooms using satellite remote monitoring technologies;
- Forecasting cyanobacterial blooms with various models (including artificial intelligence technology);
- Managing and controlling cyanotoxins and harmful algal blooms using various chemical, physical, and biological measures.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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