

## Special Issue

# Advanced Research on Cyanotoxins: Toxic Mechanisms, Toxicological Effects, and Analytical Aspects

### Message from the Guest Editors

Due to global climate change, anthropogenic activities and/or the increase in nutrient loads, the occurrence of harmful algal blooms (HABs) in waterbodies is increasing worldwide. They require attention due to the production of cyanotoxins, toxic secondary metabolites that are released to the water. This Special Issue aims to gather new studies or review articles related to different aspects of cyanobacteria and cyanotoxins, such as their mechanisms of toxicity, the toxicological effects that they exert at different levels, both in vitro and in vivo, and studies of other new bioactive compounds from cyanobacteria. We are also interested in the effects of combined toxins and their combinations with other contaminants. Special interest is given to the validation of robust analytical methods for the determination of cyanotoxins in different matrices (water, food, soil, and biological samples), and in vitro and in vivo studies to determine the mechanisms involved in its toxicity, clarifying its toxicological profile. All contributions addressing data gaps in the aforementioned subjects are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 June 2023)



## Toxins

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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.

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### Editor-in-Chief

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