Special Issue

Cyanotoxins in the Food Chain

Message from the Guest Editors

Exposure to toxins produced by cyanobacteria is typical via ingestion of contaminated drinking or recreational water, and public health in many countries has been protected by the application of WHO guidelines in monitoring programs. In contrast, our understanding of the occurrence of cyanotoxins in the food chain is still in its infancy, so we are keen to hear reports of cyanotoxin (microcystins, nodularins, saxitoxins, cylindrospermopsins, and anatoxins)-associated metabolites along with other bioactive peptides such as cyanopeptolins in the food web. There is a need to understand spatial and temporal toxin occurrence in whole ecosystems, especially those where water supply is frequently contaminated but used for irrigation and as a source of fish/shellfish. With increasing climate events and freshwater to the marine transfer of blooms and phytoplankton, we must also consider exploring potential exposure following the ingestion of marine organisms. As toxins progress through the food chain, they may bind to proteins or be modified/detoxified; robust methods to unravel these interactions are still needed, along with mass balance through the trophic levels.

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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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