

Topical Collection

Toxicological Challenges of Aquatic Toxins

Message from the Collection Editor

Although marine and freshwater toxins are being explored by many research groups worldwide, they are still largely unknown. There is no sound explanation to justify the reason to their production by microalgae or cyanobacteria. In addition, their modes of action are, in several cases, unknown, and, in very few cases, the toxicity symptoms are ascribed to a defined molecular target. Some old toxin groups require a revision of the so-far-accepted mechanism of toxicity (i.e., phosphatase inhibitors), and this extends, especially in the case of marine toxins, to the interpretation of their toxicity equivalency factors, which are legally very important for monitoring and international trading. Additionally, knowledge of their pharmacokinetics is very limited, and in some cases even the concept of a compound being (or not) a toxin itself requires further research (i.e., cyclic imines or yessotoxin). This topical collection will provide room for articles dealing with these gaps.

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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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