Special Issue

Chemical Ecological Interactions and Bioactivity Mechanisms of Marine Biotoxins and Venoms

Message from the Guest Editor

This Special Issue will explore the complex chemical interactions among toxigenic and venomous marine species and the exquisite mode of action of biotoxin in aquatic ecosystems. The primary focus is on toxigenesis by microeukaryotes, marine bacteria (particularly cyanobacteria), as well as metazoa, macroalgae, and marine plants. Although the main theme is associated primarily with marine biotoxins, relevant comparative contributions from toxigenic species in freshwater and brackish water are also welcome. We welcome research articles and comprehensive reviews. We particularly encourage submissions that provide thorough methodological descriptions and advance the development of protocols relevant to the study of mechanisms underlying metabolic regulation by marine biotoxins. This Special Issue will foster interdisciplinary dialogue and collaboration, bringing together researchers from diverse fields to address the complex chemical-ecological interactions mediated by biotoxins, venoms, and allelochemicals in aquatic ecosystems and to provide sustainable solutions and risk assessment criteria for seafood safety and security.

Guest Editor

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Deadline for manuscript submissions

31 January 2026

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/242832

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mdpi.com/journal/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.

Editor-in-Chief

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