

## Special Issue

# Venoms of Aquatic Organisms: Biochemistry, Evolution, and Future Perspectives

### Message from the Guest Editor

Marine and freshwater ecosystems are some of the most diverse environments on Earth, where adaptive traits such as venom have evolved and flourished across speciose groups such as cephalopods, cnidarians, echinoderms, fish, mollusks, and nemertean. Research investigating the venom of aquatic organisms pales in comparison to their terrestrial counterparts. However, in the past decade, there has been an exciting increase in investigations involving venomous aquatic organisms, partly due to major advancements in -omics technologies; this progress has engendered the discipline-specific methodologies of venomics. However, research on aquatic venom continues to lag behind, and thus efforts to better understand the venom and venom systems of these organisms are of great importance. This Special Issue aims to provide a broad research perspective regarding the venom of aquatic organisms. I welcome investigations that address venom biochemistry, bioprospecting, evolution, ecology, envenomation, morphology, and future perspectives within the field. I look forward to receiving your submissions and hope that we can advance this research field together.

### Guest Editor

Dr. Richard J. Harris

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### Deadline for manuscript submissions

30 November 2025



## 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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USA

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