

## Special Issue

# Current Status and Emerging Trends in the Biodiscovery of Canonical Toxins and Bioactive Peptides from Cnidarians

### Message from the Guest Editors

This Special Issue aims to present an updated overview of both canonical toxins and toxin-like peptides identified across different cnidarian classes—Hydrozoa, Scyphozoa, Cubozoa, Staurozoa, and Anthozoa. We will also explore how recent advances in bioinformatics approaches—including omics, machine learning, deep learning, and artificial intelligence—have propelled the biodiscovery process forward. Our goal is to establish a comprehensive foundation for future research by delving into current methodologies, addressing challenges, highlighting innovations in the field of cnidarian venom discovery, and discussing translational advances from basic research to biotechnological applications.

### Guest Editors

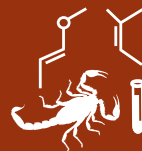
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### Deadline for manuscript submissions

28 February 2026



## Toxins

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Impact Factor 4.0  
CiteScore 8.2  
Indexed in PubMed



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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

Prof. Dr. Jay Fox

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USA

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