

Special Issue

Structure, Function and Evolution of Conotoxins

Message from the Guest Editors

This Special Issue is dedicated to research that expands our knowledge about conotoxin structure, function, and evolution, and the intriguing interplay between the three. Covering a broad range of topics, this Special Issue will include papers that investigate conotoxins from poorly characterized toxin families, as well as detailed accounts of structure–function relationships in toxins from well-known families. We also encourage submissions that describe conoidean toxins other than conotoxins within these same overarching topics. Moreover, we welcome contributions describing the development of new methodologies concerning, for instance, the production of conotoxins, the identification of their molecular targets, the analysis of post-translational modifications, and the improved structural prediction of disulfide-rich peptides. Review articles that describe existing knowledge and present current challenges in the field, as well as ideas for future research, are encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2025)



Toxins

an Open Access Journal
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Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/203615

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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

Prof. Dr. Jay Fox

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).