Special Issue

Advances in Venom Research: Biological Activities, Therapeutic Potential, and Molecular Mechanism

Message from the Guest Editors

Venom research has significantly advanced our understanding of the biological activities and therapeutic potential of various animal venoms and toxins. This Special Issue aims to highlight recent breakthroughs and novel insights into the multifaceted roles of venom, in both natural and medical contexts. We invite researchers to submit original research articles, comprehensive reviews, short communications, and insightful perspectives that explore the diverse biological activities of animal venoms, including their molecular mechanisms, pharmacological and pathophysiological effects, and therapeutic potential. Key topics of interest include, but are not limited to:

- Molecular and cellular mechanisms of venom action:
- Novel venom-derived peptides and proteins with therapeutic potential;
- Venom effects on human health and disease models;
- Technological innovations in venom research and toxinology.

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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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