

# Special Issue

## Venoms and Drugs

### Message from the Guest Editor

This Special Issue, “Venoms and Drugs”, aims to explore the fascinating interface between venom-derived compounds and their potential therapeutic applications. Venoms, often viewed primarily as harmful substances, harbor a myriad of bioactive molecules with unique pharmacological properties. These molecules have shown promise in the development of novel drugs for a variety of diseases, from chronic pain and cancer to cardiovascular and infectious diseases.

Potential topics for this Special Issue include, but are not limited to, the following:

1. Isolation and characterization of venom components;
2. Molecular mechanisms of venom action;
3. Venom-derived peptides and proteins as therapeutic agents;
4. Drug development from venom components;
5. Preclinical and clinical studies on venom-based drugs;
6. Venom toxins and their receptors;
7. Synthetic and bioengineered toxin analogs;
8. Venoms in pain management and neuroprotection.

#### Keywords

- venom components
- molecular mechanism
- preclinical
- clinical
- toxin receptors
- toxin analogs

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 May 2026)



## 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

Prof. Dr. Jay Fox

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).