

## Special Issue

# Insights into the Action and Application of Animal Toxins

### Message from the Guest Editor

In this present era, much of the research interest has focused on the acquisition/collection of venom, active component isolation, and exploration of toxins' effectiveness in targeting specific molecular mechanisms and/or pathways. Additionally, numerous pre-clinical and clinical trials have indicated the possible efficacy of venom and their bioactive components/chemicals in disease therapy. Venom possesses great pharmacological activities such as anti-inflammatory, anti-diabetic, anti-arthritic, and neuroprotective characteristics, as well as cardio-protective effects, derived from their bioactive chemicals. The enormous biodiversity of toxin-producing species presents a plethora of different types of venom that need to be further explored and analyzed for their therapeutic potential. We welcome all original research articles focused on animal toxins that may be relevant to their biological functions and therapeutic applications, as well as to elucidation of the structure-activity relationships of these proteins. We hope that researchers will share their valuable studies on the actions and applications of animal toxins.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 July 2022)



## 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

Department of Microbiology, University of Virginia, Charlottesville, VA,  
USA

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