Special Issue

Amphibian Toxins and Poisons

Message from the Guest Editor

To counter the threat of predation, the skin glands of many amphibians are capable of storing and secreting toxins. In contrast to venomous animals that use fangs or a stinger to inject their toxins, amphibians deliver their skin secretions through a predator's gastrointestinal tract. This delivery mode, often used to distinguish poisons from venoms, is likely to pose constraints on the physicochemistry and functioning of the toxins involved. Yet, despite these constraints, amphibian poisons represent one of the most diversified defense adaptations in the animal kingdom. Since the 1960s, the awareness that many of their toxins have a therapeutic potential, has fueled decades of research, with a prominent pharmacological scope. Nowadays, amphibian toxinology has branched out to various life science areas, including natural history, ecology, physiology, evolutionary biology, molecular genetics, and conservation biology.

Guest Editor

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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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