Special Issue

Toxinology and Pharmacology of Snake Venoms

Message from the Guest Editor

Evolution endowed snakes with the ultimate weapon: the venom. With it, several hundred types of venomous snakes can kill or weaken their victims to prevent them from escape. The unraveled biochemical composition, genomics, and proteomics of toxins and venoms have deepened our understanding of their interaction with organisms, most importantly with humans. Their modes of action are better understood, which opens the door to their eventual application as molecular tools and diagnostic or therapeutic agents, including the development of antidotes. Snake venom research influences various areas of life and biomedical sciences. It has deep linkages with biochemistry, molecular biology, genetics, pathophysiology, pharmacology, and the rapidly developing field of clinical toxinology. This Special Issue of *Toxins* welcomes articles addressing most aspects of biochemical, evolutionary, pathophysiological, and therapeutic research on snake venoms and envenomation, to provide readers with an updated and comprehensive picture of this exciting area of research.

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

Prof. Dr. Jay Fox
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