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Sea Anemone Venom

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Message from the Guest Editor

The most promising natural source of pharmacologically active compounds is a sea anemone (phylum Cnidaria) venom representing a complex mix of different toxins, peptides, polypeptides used for prey capture, defense, digestion, and intraspecific competition. Acting in small concentrations but with a high specificity on biological targets, endogenous proteases, cytoplasmic membranes, and various types and subtypes of ion channels/receptors playing a functionally significant role in physiological and pathophysiological processes of a body, sea anemone peptides can modulate (block, activate or potentiate) the channel functional activity and, thus, exert a pharmacological effect. This Special Issue invites authors to publish works on sea anemone toxins, peptides, and polypeptides.

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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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