



Natural Toxins/Molecules (and Derivatives) from Animal Venoms: from Basic Research to Therapeutic Applications 2019

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Message from the Guest Editor

Dear Colleagues,

Venomous animals (e.g., scorpions, snakes, sea anemones, cone snails, worms, wasps and frogs) are invaluable natural sources of biologically-active compounds that target a variety of receptors/molecules (ion channels, enzymes, etc.). These compounds are generally highly potent, but can display variable selectivities. Interestingly, a number of molecules from venoms reportedly possess some therapeutic potential to treat pain, microbial infections, and more or less severe pathologies such as cancer, autoimmune and neurological diseases. This special issue of *Molecules* is devoted to the many aspects of marine and non-marine toxins/molecules (and derivatives thereof) from animal venoms, including their pharmacological properties, structural characteristics, structure-function relationship, molecular engineering/drug design, and therapeutic value. All scientists and clinicians working in these emerging and promising fields of research are strongly encouraged to submit their original works for publication in this Special Issue.

Dr. Jean-Marc Sabatier
Guest Editor





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Message from the Editor-in-Chief

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