

Special Issue

Pharmacological Insights of Venoms

Message from the Guest Editors

The “dark side” of venoms is usually the best known, as venomous living beings have evolved to use necrotoxins, cytotoxins, neurotoxins, and/or haemotoxins in their venoms to neutralize enemies and preys. However, there is a remarkable “bright side” to venoms, as they are highly diverse sources of natural compounds, mainly but not exclusively proteins and peptides, with a huge therapeutic potential. Insects, reptiles, mollusks, amphibians, plants, and microorganisms, among others, produce secretions that, while used by Nature for protection or as weapons, are a vast pool of molecules deserving wider and deeper (bio)chemistry, pharmacology, molecular biology, and molecular medicine studies envisaging their therapeutic application for quite diverse indications. In line with the above, this Special Issue welcomes high-quality articles, either comprehensive reviews or original research papers, focused on molecular-level research highlighting the therapeutic/pharmacological relevance of venom components and their derivatives or analogues.

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