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Drug Candidates from Venoms

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Message from the Guest Editor

Venoms derived from a large variety of organisms have captivated human civilizations for centuries. This Special Issue on Drug Candidates from Venoms aims to report on current state-of-the-art venom-based drug discovery efforts that are largely centered on one of the following areas. First, the comprehensive chemical characterization of novel venom components using ‘omics’ technology. Second, the discovery of new molecular targets and the mechanism of action of novel venom components. Lastly, the discovery of re-engineered venom compounds using both computational modelling and medicinal chemistry approaches. Such studies are expected to be foundational in yielding the next generation of novel drug candidates for possible therapeutic use in human diseases, as well as expanding applications in agriculture and veterinary care.



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Special Issue



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