



## Venom Components Acting on the Hemostatic System: Structural and Mechanistic Insights

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### Message from the Guest Editors

Venoms from different species of animals contain components, mainly proteins, and peptides, that can interfere with various physiopathological processes, including cancer, inflammation, neurotransmission, immune responses, cell growth, apoptosis, hemostasis, and others. The effects of crude venom from snakes on hemostasis have been recorded since the late 1700s. A large variety of molecules that interfere in the hemostatic process have been isolated, and their mechanisms of action characterized. For instance, molecules that perturb the hemostatic system can display pro or anticoagulant effects, activate or inhibit platelet aggregation, interfere in clot dissolution, and interfere with endothelial cells. This Special Issue focuses on the structural–activity relationship of some of these molecules and points to their mechanism of action.

Moreover, the applications of these molecules and derived analogs as tools for investigation, diagnosis, or use in drugs will also be presented and discussed.





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## Message from the Editor-in-Chief

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