Special Issue

Sea Anemone Toxins

Message from the Guest Editor

The sea anemones belong to the phylum Cnidaria. The distinguishing feature of cnidarians is nematocysts, specialized venomous organs that the animals use mainly for capturing prey and protecting themselves from predators. This means all the cnidarians have venom. So far, a number of polypeptide toxins have been isolated and characterized from the sea anemones. Among these studies, ion-channel toxins and pore forming toxins have been characterized. Some ion channel toxins are revealed to be useful tools for biomedical and physiological science. The recent reports showed that sea anemones, including their toxins, are still attractive sources for novel bioactive compounds. This special issue will focus on biological activity, mode of action, ecological significance, isolation and characterization of bioactive compounds including toxins from the sea anemones.

Guest Editor

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Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

Editor-in-Chief

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