



Terpenoids from Marine Organisms

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Message from the Guest Editors

Dear Colleagues,

Terpenes, one of the most diverse classes of natural products produced by a variety of organisms, are vital for the life of most organisms, exerting metabolic control and mediating intra- and inter-species interactions. More than 40,000 individual terpenoids are known to exist in nature with new compounds being discovered every year.

Marine organisms produce a wide array of fascinating terpenoid structures distinguished by characteristic structural features. The biological and ecochemical functions of terpenes include chemical communication, pollination, chemical protection, growth regulation, among others, but even though numerous studies have been reported on this subject, the full spectrum of their ecological roles has not yet been fully clarified.

Potential challenges and future directions involved in the advancement of these promising natural compounds will be covered in the special issue, including isolation-structure elucidation of new molecules, metabolomic studies, evaluation of bioactivities, mechanisms of action, recent developments in their biosynthesis, total synthesis, semisynthesis and biotransformation, as well as pharmacology.





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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.

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