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Natural Products from Coral Reef Organisms

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Message from the Guest Editor

Coral reefs are the major habitat of numerous marine organisms. Ecologically, they are referred to as the rainforests of ocean, and are home to many species of algae, cyanobacteria, and marine animals, such as fish, crustaceans, corals, sponges, bryozoans, tunicates, mollusks, and echinoderms. Many reef organisms, and the associated microorganisms, can, not only produce nutritional substances, but also bioactive metabolites to defend themselves against predators, fight diseases, and prevent the fouling and overgrowth of other organisms. Dozens of promising compounds, have been approved or are under clinical trials for use as painkillers, anticancer and antiviral drugs, or for other diseases. Thus, coral reef organisms are well recognized as a rich source of bioactive natural products, which might become useful medicines in future drug development.

This Special Issue aims to provide a platform to share and report the discovery and development of natural products from coral reef organisms. We invite researchers from all over the world to publish original research and review articles in this Special Issue.

Professor Jyh-Horng Sheu
Guest Editor



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Special Issue



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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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