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Bioactive Natural Products from the Deep-Sea-Sourced Microbes

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Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editors

Deep-sea-sourced microbes, thriving in extreme environments characterized by high pressure, low temperatures, limited nutrients, and darkness, produce a diverse array of secondary metabolites with unique chemical structures and potent biological activities.

Scientists have explored various deep-sea habitats, including cold seeps, hydrothermal vents, sediments, and deep-sea waters, to isolate and characterize microbes capable of producing bioactive compounds. These metabolites exhibit a wide range of biological activities, including antibacterial, antiviral, antitumor, and anti-inflammatory pharmacological activities, among others, making them promising candidates for drug discovery and development.

This Special Issue aims to highlight the discovery and bioactivities of natural products obtained from deep-sea-sourced microbes. Research papers and reviews focusing on topics such as the isolation, structural identification, biosynthesis, and action mechanisms of bioactive compounds discovered from deep-sea-sourced microbes are welcome for submission.

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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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