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Bio-Active Products from Mangrove Ecosystems

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Message from the Guest Editors

Mangrove communities represent a coastal habitat located in the intertidal zone or brackish water of tropical and subtropical coastal areas between 5°N and 5°S latitudes spanning over 118 countries. Special ecological conditions of mangroves include high salinity, nutrient limitation, tidal gradients, high temperatures, excessively high light, and muddy anaerobic or sandy soil, which lead to various morphological and physiological adaptations of inhabiting species and act as an effective selector for the metabolic pathway via the generation of unique functional metabolites with highly unique chemical scaffolds and pharmaceutical application potential. In recent decades, numerous metabolites with uncommon structures and efficacious bioactivities have been discovered in mangrove-derived microorganisms, along with mangrove plants. For this reason, mangrove ecosystems have taken the limelight as an attractive biodiversity hotspot, attracting significant attention from organic chemists and pharmacologists.



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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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