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Challenges on Structural Determination of Marine Natural Products

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Message from the Guest Editors

Marine ecosystems, covering 70% of the surface of the earth, possess great biological diversity, providing interests for researchers over past decades. Due to their characteristic environments, marine natural products have been regarded as a highlighted source for the discovery of structurally and biologically novel drug candidates.

To overcome challenges in structure elucidation due to their diversity, marine natural products scientists have developed various chemical methodologies and recent advances in chemoinformatics tools, genome sequencing, and quantum-based computational analysis now provide combinatorial approaches for the structure determination.

In this Special Issue, we invite academic and industry scientists to submit articles from marine-natural-products-driven studies, highlighting challenges in structural determination with biological activities.



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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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