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In Vitro and In Vivo Approaches to Study Potential Marine Drugs

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Message from the Guest Editors

The marine world represents a uniquely rich source of new bioactive metabolites with unprecedented structures, fascinating biological profiles, and valuable therapeutic potential. Natural products of marine origin display a wide range of biological activities. These compounds are attractive targets because they could represent the solution to a high number of diseases that are still a challenging, growing problem for human health. In this context, the vast marine world fits perfectly as a natural source for the discovery of new potential drugs. The unexplored marine environment is a wide source of unprecedented compounds with new mechanisms of biological action and intriguing molecular structures that could represent the basis of new scaffolds of interest for the pharmaceuticals and could be the solution to overcome these devastating diseases.

This Special Issue will cover the entire scope of marine natural products that display in vitro and/or in vivo biological activities, also including their isolation, biology, and chemistry, as well as synthetic approaches towards them and related analogues.



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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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