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Marine Antioxidant

Guest Editor:

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Message from the Guest Editor

The marine environment is a rich source of biologically-active compounds with unique potentials. This is also due to the physicochemical nature of marine environments, where conditions of high salinity, pressures, low and high temperatures, and lack of light may lead to the biosynthesis of highly-functionalized and unusual molecules in marine organisms.

Antioxidant compounds play a key role in maintaining cellular redox homeostasis and in the survival of marine organisms constantly exposed to environmental stressors and changes. A great number of molecules produced from seaweeds, microalgae, sponges, corals and other marine organisms are known for relieving oxidative stress associated diseases, photo- and skin aging. However, the most exciting marine bioactive molecules potentials remain largely unexplored.

In this Special Issue, researchers are invited to provide recent and innovative research on different aspects related to the evolution of emergent marine antioxidants biosynthesis, the functional and ecological role in the ocean, the biotechnological production, and the potential applications of these molecules as new drugs, dietary supplements and health care products.

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Editor-in-Chief

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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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