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Microalgal Bioactive Molecules and Their Implication in Health and Disease

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Message from the Guest Editor

Microalgae are an extremely diverse group of organisms. Despite their high biodiversity, microalgae are poorly explored, and only a few species are currently cultivated on an industrial scale. However, microalgae contain a wide variety of bioactive molecules which have various health benefits. Bioactive compounds from microalgae offer innovative potentials in many growing markets. In fine, the health market is not well developed, although the beneficial effects of microalgae can be implemented in various medical fields. Two approaches can be followed by (i) considering the marine organism as a “cell factory” or (ii) extracting bioactive compounds from the microalgal biomass with highly diversified targets, such as cancers, obesity, tissue repair, and neurodegenerative and infectious diseases. Thus, the objective of this Special Issue entitled “Microalgal Bioactive Molecules and Their Implication in Health and Disease” is to bring together the current knowledge on the different bioactive compounds in microalgae, including cyanobacteria, and to shed light on their impact on human health and diseases, especially on obesity and cancers.



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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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