Special Issue

Marine Microalgae Culture and Active Substance Development

Message from the Guest Editors

Marine microalgae have attracted significant attention as a source of high-value bioactive substances for decades, such as pigments, phycobiliproteins, unsaturated fatty acids, and sulfated polysaccharides. These active substances have significant commercial value in the fields of medicine and cosmetics and in food industries due to their excellent bioactive functions. However, the contents of active compounds in microalgal cells are generally low, and high quantities of biomass of microalgae are not easy to obtain, thus resulting in relatively low production and high cost of algal active compound production. Therefore, it is of great importance to enhance algal active compounds by employing various novel methods, strategies, and technologies in algal bioactive substance development. This Special Issue focuses on the highly efficient cultivation of marine microalgae, algal substance separation and purification, and biological activity and function exploration by using various new approaches or process optimization towards the future development of algal bioactive substances. We welcome articles related to all the aforementioned fields.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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