Special Issue

Lipidomics in Marine Microalgae and Seaweeds: Applications and Perspectives

Message from the Guest Editors

Marine microalgae and seaweeds stand out for their immense potential as rich sources of valuable compounds, with lipids being pivotal among them. These key structural and functional biomolecules exhibit remarkable diversity, encompassing various classes characterised by distinct structural features. Ranging from fatty acids and sterols to more complex lipids such as phospholipids, glycolipids, and betaine lipids, each class contributes unique functional properties contingent upon its structural characteristics. Of particular significance, algae lipids emerge as a prominent source of omega-3 polyunsaturated fatty acids (PUFA), renowned for their association with health benefits. This Special Issue is dedicated to exploring lipid-related topics specific to marine microalgae and seaweeds, particularly those employing lipidomics approaches. The scope encompasses the diversity of lipid profiles, the identification of novel lipid species, lipid metabolism, and the functional roles of lipids in these marine organisms.

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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.

Editor-in-Chief

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