Special Issue

Green Extraction of High-Value Compounds in Marine Algae

Message from the Guest Editors

Marine algae, both macro- and micro-, are essential sources of high-value compounds due to their versatility and sustainability as CO2 and nutrient scavengers. Secondary metabolites from algae have diverse applications, such as emulsifiers, antioxidants, and anti-aging agents, driving a high demand for their efficient extraction in multiple industries. Hence, research in this field is prolific. However, the current demand for products in these industries also requires sustainable extraction methods that maximize the potential of algal biomass while ensuring high yields and purity of the targeted compounds. Innovative extraction methodologies and alternative solvents must be employed to develop environmentally friendly processes that reduce energy inputs and extraction times compared to conventional methods. This Special Issue invites papers focused on the extraction of high-value compounds from macro- and microalgae, particularly those highlighting sustainability through green solvents or green extraction methodologies.

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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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