

Special Issue

Green Gold: Microalgae as a Sustainable Source of Nutrients and Bioactive Compounds

Message from the Guest Editors

The Special Issue will provide a platform for original research and comprehensive reviews covering, but not limited to, the following themes:

- **Strain Development and Biotechnology:** Genetic engineering, metabolic engineering, and screening for enhanced production of target compounds.
- **Sustainable Cultivation:** Innovations in photobioreactor design, wastewater remediation, and life cycle assessment (LCA) of cultivation systems.
- **Downstream Processing:** Novel, energy-efficient, and green techniques for cell disruption, extraction, and purification of nutrients and bioactives.
- **Characterization and Analysis:** Profiling of nutritional and functional properties, identification of novel compounds, and structural elucidation.
- **Bioactivity and Health Benefits:** *In vitro* and *in vivo* studies on the antioxidant, anti-inflammatory, anti-cancer, and other health-promoting effects.
- **Applications in foods and nutraceuticals:** Development of microalgae-enriched foods, supplements, and the assessment of their techno-functional properties and sensory aspects.

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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