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Lipid-Derived Secondary Metabolites from Phytoplankton: Chemical and Functional Diversity

Guest Editors:

Dr. Ylenia Carotenuto

Integrative Marine Ecology
Department, Stazione Zoologica
Anton Dohrn, Naples, Italy

Dr. Valeria Di Dato

Marine Biotechnology
Department, Stazione Zoologica
Anton Dohrn, 80121 Naples, Italy

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Message from the Guest Editors

Phytoplankton species are a rich source of primary metabolites such as carbohydrate and lipids. Lipids are also the main chemical source of numerous bioactive secondary metabolites that play important roles as chemical mediators in algal–algal communication, allelopathy, microzooplankton and mesozooplankton grazer defense, prey–predator recognition.

This Special Issue will explore the chemical diversity of lipid-derived secondary metabolites produced by phytoplankton in response to different abiotic, physiological, and genetic factors, and also highlight the variety of biological and ecological function they may have on marine organisms. In addition, the Special Issue encourages studies that investigate the production of these metabolites in natural phytoplankton communities, to help to better estimate their potential ecological role at sea.



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Special Issue



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Editor-in-Chief

Prof. Dr. Bill J. Baker

Department of Chemistry,
University of South Florida, 4202
E. Fowler Ave., CHE 205, Tampa,
FL 33620-5250, USA

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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Marine Drugs Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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