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Marine Microalgae

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Deadline for manuscript
submissions:

closed (31 January 2018)

Message from the Guest Editors

Dear Colleagues,

Marine microalgae are the most diverse group of photosynthetic organisms living in the oceans. They have proved to be a surprising wealth of high value substances with potential as pharmaceuticals, nutritional supplements, and cosmeceuticals. In addition, due to the high content of lipids, they have gained interest as an exploitable and sustainable source of biofuels. Despite this, we still have poor knowledge regarding their metabolic pathways, often compared to plants, but, according to recent biochemical and molecular evidence, they are truly different. The striking plasticity by which they tune the levels of the end products of their metabolism suggests finely regulated metabolic fluxes in sensibly complex and peculiar biochemical networks.

This Special Issue welcomes contributions from all fields of biosynthesis, metabolism and bioactive natural products and lipids from marine microalgae, aiming at a deeper comprehension and development of chemical and biochemical features of this fascinating group of microorganisms.

Dr. Adele Cutignano
Dr. Giovanna Romano
Guest Editors



mdpi.com/si/8187

Special Issue



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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.

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