

Special Issue

Boosting Bioactive Substances of Marine Algae: An Omics Perspective

Message from the Guest Editors

This Special Issue focuses on exploring methods for enhancing the production of bioactive metabolites in marine microalgae and unraveling the underlying mechanisms through physiological and omics approaches (including genomics, proteomics, transcriptomics, and metabolomics). We invite studies that not only present innovative strategies for boosting bioactive compounds but also provide in-depth omics-based explanations for the observed increases. Research that further validates omics results is highly encouraged. The aim of this Special Issue is to advance the understanding of marine microalgal bioactive metabolite production and facilitate the development of novel applications of them in pharmaceutical, nutraceutical, and cosmetic fields. Specifically, we also welcome manuscripts on microalgae that exist in both freshwater and marine environments and those on biotechnology for producing marine-derived bioactive compounds using freshwater microalgae. If you are unsure of whether your manuscript is within the scope of this Special Issue, we encourage you to send us the first page for a pre-submission check.

Guest Editors

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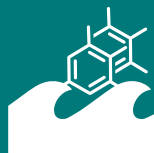
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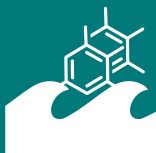


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About the Journal

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

Prof. Dr. Bill J. Baker

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