



Marine Fungi in the Blue-Biotechnology Era: Omics Approaches to Uncover Biotechnological Applications

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Message from the Guest Editors

Dear Colleagues,

In the rapidly evolving field of blue biotechnology, the untapped potential of marine fungi is a frontier waiting to be explored. The adaptative mechanisms of fungi to oceans make marine fungi excellent producers of biocompounds that can be applied in various industries, from pharmaceuticals and agriculture to aquaculture. By employing omics technologies, we can delve deeper into the genetic and metabolic complexities of marine fungi, accelerating the discovery of novel compounds.

While we have begun to understand the genomics of marine fungi, there is still much to explore in the fields of proteomics, metabolomics, and especially marine fungi lipidomics. These areas can reveal new insights into the potential contributions of marine fungi to blue biotechnology.

We invite authors to contribute to this Special Issue, shedding light on the potential of marine fungi as contributors to sustainability in blue biotechnology, using omics approaches from genomics to lipidomics.





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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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