

## Special Issue

# Innovations in Marine Algal Biotechnology: From Bioprocessing to Applications

### Message from the Guest Editor

Marine algae are a prolific source of biologically active compounds with diverse applications in biotechnology, pharmaceuticals, nutraceuticals, and functional foods. This Special Issue aims to highlight recent advances in the discovery, production, and application of marine algal compounds, emphasizing innovative bioprocessing strategies and their potential to address health and environmental challenges. Contributions exploring the molecular mechanisms, bioactivity, and biotechnological potential of microalgal metabolites—including antimicrobials, antivirals, pigments, fatty acids, antioxidants, and anticancer agents—are particularly welcome. Interdisciplinary approaches, such as co-cultures, innovative cultivation systems, and the integration of omics technologies for improved compound characterization and yield, are encouraged. We invite both original research articles and comprehensive reviews that advance the understanding and practical application of marine algal biotechnology.

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### Guest Editor

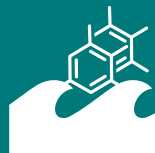
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### Deadline for manuscript submissions

1 September 2026



## Marine Drugs

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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.

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### Editor-in-Chief

Prof. Dr. Bill J. Baker

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