

## Special Issue

# Metabolic Regulation Functions and Mechanisms of Marine Bioactive Compounds

### Message from the Guest Editor

These compounds, derived from many marine species, have a wide variety of biological actions, including anti-inflammatory, antibacterial, antioxidant, and metabolic-regulating properties. Such qualities are essential in tackling current health issues and developing new treatment medicines. This Special Issue invites contributions that explore the latest advances in the understanding of how marine-derived compounds influence metabolic pathways. We welcome research articles, reviews, and case studies on topics including, but not limited to:

- The identification of novel bioactive compounds and their molecular targets;
- Mechanistic studies on the metabolic pathways regulated by marine compounds;
- Applications of marine bioactive compounds in treating metabolic disorders;
- Advances in biotechnological and analytical techniques (e.g., genomics, proteomics, and metabolomics) for compound discovery and pathway elucidation.

Submissions that utilize multidisciplinary approaches or innovative methods to uncover therapeutic potentials are especially encouraged. Join us in advancing the field of marine bioactive compounds and their roles in metabolic regulation.

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### Guest Editor

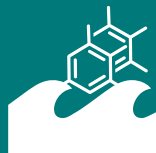
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### Deadline for manuscript submissions

closed (15 October 2025)



## Marine Drugs

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Impact Factor 5.4  
CiteScore 10.1  
Indexed in PubMed

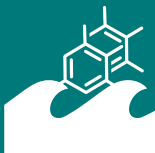


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## About the Journal

### 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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