

## Special Issue

# Bioinformatics of Marine Natural Products 3.0

### Message from the Guest Editor

We are glad to announce the third edition of the Special Issue “Bioinformatics of Marine Natural Products”. In recent decades, marine natural products (MNPs) and their structural analogs have made a significant contribution to pharmacotherapy, especially for cancer diseases. While marine organisms, especially microbes, are still attracting great attention as promising sources for the sustainable production of novel bioactive compounds and biocatalysts, challenges in drug discovery remain, such as technical barriers to screening, isolation, characterization, and the optimization of production. These challenges may be addressed by using genome-mining-based approaches to explore the biosynthetic capacity of microorganisms relying on DNA extraction, sequencing, and bioinformatics analysis. We thus welcome your contribution to this Special Issue to provide a panorama of the current scenario and information on new approaches to explore the huge amount of big datasets to identify the biosynthetic pathways of natural marine compounds.

### Guest Editor

Dr. Giovanna Romano

Marine Biotechnology Department, Stazione Zoologica Anton Dohrn, Naples, Italy

### Deadline for manuscript submissions

closed (31 March 2024)



## Marine Drugs

an Open Access Journal  
by MDPI

Impact Factor 5.4  
CiteScore 10.1  
Indexed in PubMed



[mdpi.com/si/188003](https://mdpi.com/si/188003)

*Marine Drugs*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[marinedrugs@mdpi.com](mailto:marinedrugs@mdpi.com)

[mdpi.com/journal/  
marinedrugs](https://mdpi.com/journal/marinedrugs)





# Marine Drugs

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.4  
CiteScore 10.1  
Indexed in PubMed



[mdpi.com/journal/  
marinedrugs](https://mdpi.com/journal/marinedrugs)



## 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

Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., CHE 205, Tampa, FL 33620-5250, USA

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, MarinLit, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmacology, Toxicology and Pharmaceutics (miscellaneous))