

Special Issue

Chemical Defense in Marine Organisms II

Message from the Guest Editors

Marine organisms have evolved several mechanisms to survive in extremely varied, hostile environments in terms of light, temperature, salinity, pressure, and predation. The harsh chemical and physical conditions of the marine environment have favored the production of a great variety of molecules in marine organisms that are unique in terms of diversity, structural, and functional features. These compounds represent a huge reservoir of new bioactive compounds with great pharmaceutical potential. As with the first edition "Chemical Defense in Marine Organisms" that closed in 2020, the second edition aims to highlight recent discoveries on chemical defensive strategies adopted by marine organisms in order to survive. This Special Issue includes the regulation and activation of biosynthetic pathways, the production of defensive metabolites and evaluation of their possible biotechnological applications (e.g., for the treatment of human pathologies).

Guest Editors

Dr. Adrianna Ianora

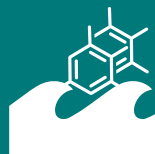
Stazione Zoologica Anton Dohrn, Villa Comunale, 80121 Naples, Italy

Dr. Chiara Lauritano

Department of Ecosustainable Marine Biotechnology, Stazione Zoologica Anton Dohrn, Via F. Acton 55, 80133 Naples, Italy

Deadline for manuscript submissions

closed (31 March 2023)



Marine Drugs

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.6
Indexed in PubMed



mdpi.com/si/103541

Marine Drugs

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
marinedrugs@mdpi.com

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





Marine Drugs

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.6
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))