Special Issue

Bioactive Natural Products from Marine Cyanobacteria: From Discovery to Valorization

Message from the Guest Editors

Marine cyanobacteria are prolific producers of structurally diverse natural products with a wide range of bioactivities, including anticancer, antimicrobial, antiviral, anti-inflammatory and antioxidant properties. These metabolites have significant potential as lead compounds for pharmaceutical, nutraceutical and biotechnological applications. Beyond their biomedical relevance, marine cyanobacteria offer opportunities for sustainable exploitation, including the valorization of pigments, bioactive compounds and other metabolites in food, cosmetics, textiles, agriculture and environmental biotechnology. Advances in cultivation, metabolic engineering and bioprocessing are key to unlocking this potential. This Special Issue welcomes original research and review articles on the discovery, characterization, bioactivity and sustainable exploitation of natural products from marine cyanobacteria. Topics include novel metabolite identification, biosynthetic pathway elucidation, synthetic biology approaches, pigment utilization and translational applications, providing a comprehensive perspective on their valorization and biotechnological potential.

Guest Editors

Dr. Rosário Martins
CIIMAR—Interdisciplinary Centre of Marine and Environmental Research, Matosinhos, Portugal

Dr. Marisa Alexandra Freitas
CIIMAR—Interdisciplinary Centre of Marine and Environmental Research, Matosinhos, Portugal

Deadline for manuscript submissions

31 March 2026

Marine Drugs

an Open Access Journal by MDPI

Impact Factor 5.4
CiteScore 10.1
Indexed in PubMed

mdpi.com/si/256251

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

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

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))

MDPI