Special Issue

Antioxidant and Antimicrobial Compounds in Marine Algae

Message from the Guest Editor

Macro and microalgae are a photosynthetic group of organisms able to produce different metabolites with high interest for industry. Some algae can naturally synthetize different molecules with antioxidant and antimicrobial capacity, such as carotenoids, polyphenols, or flavonoids. The interest in studies related to the antioxidant and antimicrobial capacity of different organisms has increased in recent years. The high demand for novel cosmetic and pharmaceutical products has provoked an increase in studies related to natural products in marine organisms. This Special Issue invites articles (original research and reviews) focusing on the antioxidant and antimicrobial properties of marine macro and microalgae, as well as the production of bioactive molecules synthetized by these organisms.

Guest Editor

Dr. Antonio León-Vaz

1. Institute of Sustainable Processes, University of Valladolid, Dr. Mergelina, s/n, 47011 Valladolid, Spain
2. Department of Chemical Engineering and Environmental Technology, University of Valladolid, Dr. Mergelina. s/n, 47011 Valladolid, Spain

Deadline for manuscript submissions

31 January 2026

Marine Drugs

an Open Access Journal by MDPI

Impact Factor 5.4
CiteScore 10.1
Indexed in PubMed

mdpi.com/si/228381

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