Special Issue

Antioxidant and Anticancer Activities of Compounds Isolated from Seagrasses and Seaweeds

Message from the Guest Editors

Marine organisms are an important source of new bioactive compounds. Marine macrophytes, including seagrasses and seaweeds, have various uses for humans. Many studies have demonstrated the association between oxidative stress and cancer in humans. Thus, the uptake of antioxidants through diet or as food supplements has been suggested for cancer prevention. Many compounds isolated from seagrasses/weeds have been shown to possess antioxidant and anticancer activities.

This Special Issue aims to collect the latest research findings on the isolation of antioxidant and/or anticancer compounds from seagrasses/weeds. The bioactive compounds may be polyphenols, polysaccharides and peptides, but they could also belong to other chemical categories. Contributions to this Special Issue could include in vitro and in vivo studies related to antioxidant activity of compounds from seagrasses/weeds. In addition, the investigation of the anticancer properties of compounds could include studies on the inhibition of cancer cell growth and the molecular mechanisms accounting for this activity. Review articles are also welcome.

Guest Editors

Dr. Paraskevi Malea

Department of Botany, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece

Dr. Dimitrios Stagos

Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece

Deadline for manuscript submissions

30 September 2025

Marine Drugs

an Open Access Journal by MDPI

Impact Factor 5.4
CiteScore 10.1
Indexed in PubMed

mdpi.com/si/197967

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

mdpi.com/journal/marinedrugs

MDPI

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