

Special Issue

Polysaccharides and Phytochemicals from Marine Resources: Structure, Activity, and Applications

Message from the Guest Editor

Polysaccharides play a vital role in the areas of human wellness and food. They have been reported to present various physiological and biological activities based on the specific chemical structure. However, their structure–function relationships are yet to be established. In recent years, special attention has been paid to investigating these relationships and the mechanisms of their biological activities, which facilitate their use as food ingredients or bioactive compounds in the food and pharmaceutical fields. Phytochemicals are naturally occurring chemicals present in or extracted from plants, they are integral to the phytoimmune system, possessing significant biological activities and potential health benefits. The purpose of this Special Issue is to feature the latest, high-quality, advanced research and knowledge contributed by various research groups from around the world who are working on polysaccharides and phytochemicals from marine sources, and we hope this will shape future research directions.

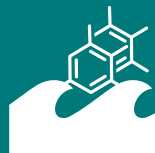
Guest Editor

Dr. Lijun You

School of Food Science and Engineering, South China University of Technology, Guangzhou 510640, China

Deadline for manuscript submissions

closed (1 March 2026)



Marine Drugs

an Open Access Journal
by MDPI

Impact Factor 5.4
CiteScore 10.1
Indexed in PubMed



mdpi.com/si/251988

Marine Drugs
Editorial Office
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 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))