Special Issue

Marine Sulfated Polysaccharides in Biomedical Application

Message from the Guest Editors

Marine sulfated polysaccharides (MSPs) refer to intricate polysaccharides obtained from marine life forms such as seaweeds, invertebrates, and microorganisms that indicate vast therapeutic capabilities including anticoagulant, antiviral, anti-inflammatory, and antitumor features. These various biological applications derive from their unique structural properties, and hence make them attractive candidates for therapeutic drugs. The presence of sulfate groups in the MSPs is considered as an evolutionary adaptation to marine environments unlike terrestrials, which differentiates them. Therefore, MSPs possess immense potential for therapeutic use. Hence, this Special Issue will explore a wide range of subjects that include but are not limited to the following:

- Molecular mechanisms underlying the biological activities of MSPs.
- Use of MSPs as potential drugs for disease prevention and treatments.
- Innovative extraction techniques, characterization, and modification of MSPs.

We invite researchers to submit their original research articles and reviews to this Special Issue to advance our understanding and utilization of MPCs.

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Deadline for manuscript submissions

closed (28 February 2025)

Marine Drugs

an Open Access Journal by MDPI

Impact Factor 5.4
CiteScore 10.1
Indexed in PubMed

mdpi.com/si/213328

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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

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