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Biomedical and Biotechnological Applications of Marine Carbohydrate-Based Polymers

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Deadline for manuscript submissions:

closed (15 October 2021)

Message from the Guest Editors

The marine environment is a prolific source of organisms that are producers of carbohydrate polymers with distinctive characteristics. Moreover, marine polymers can provide a constant supply of raw material and, if necessary, physical or chemical modifications can enhance diversity further and ensure the requirements for a specific application. These polymers have a wide range of possible applications, extending from biomedicine (e.g., antibacterial, anti-adhesive, antiviral, and anticancer activities) to biotechnology (e.g., bioremediation, rheology modifiers, and soil conditioners).

This Special Issue will include recent advances in the discovery of marine carbohydrate polymers with significant potential for biomedical or biotechnological applications. Papers describing the physicochemical and functional characteristics of the marine polymers and the structure–activity relationship are encouraged.



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Special Issue



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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.

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