

## Special Issue

# The Biological Significance of Fucose-Based Polysaccharides and Oligosaccharides from the Sea

### Message from the Guest Editor

The marine environment is a rich source of fucose-based polysaccharides and oligosaccharides, which are gaining attention for their unique biological activities. These compounds often share structural and functional similarities with Human Milk Oligosaccharides (HMOs), making them valuable as prebiotics and immunomodulators. Importantly, marine-derived fucose-based oligosaccharides offer a sustainable alternative to meet the growing demand in the HMO market. Furthermore, these marine compounds possess novel bioactivities not found in traditional HMOs, unlocking innovative applications in the fields of functional foods and pharmaceuticals. This Special Issue aims to showcase the latest research findings in this promising area and explore the full potential of marine-derived fucose-based compounds.

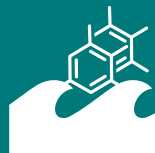
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### Deadline for manuscript submissions

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## Marine Drugs

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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.

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### Editor-in-Chief

Prof. Dr. Bill J. Baker

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