

## Special Issue

# Marine-Derived Polysaccharide-Degrading Enzyme

### Message from the Guest Editor

Marine ecosystems are abundant with high-value polysaccharides, such as alginate (from brown algae), agar/agarose and carrageenan (from red algae), ulvan (from green algae), and hyaluronic acid and chondroitin sulfate (from animals), which serve as critical resources for food, pharmaceuticals, and biorefineries. Marine-derived polysaccharide-degrading enzymes, involved in the flux of matter and energy in the global oceans, are major drivers of global biogeochemical cycling. They also have been applied in the production of pharmaceuticals, health supplements and foods through catalyzing polysaccharide degradation into bioactive oligosaccharides. This Special Issue invites original research and reviews on the isolation, genomic/metabolomic analysis of the producers, characterization, catalytic mechanisms, fermentation and industrial applications of marine-derived polysaccharide-degrading enzymes.

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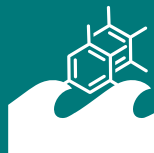
### Guest Editor

Dr. Feng Han  
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### Deadline for manuscript submissions

15 November 2026



## 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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