

## Special Issue

# Marine Skeletal Biopolymers and Proteins, and Their Biomedical Application

### Message from the Guest Editor

Marine skeletal proteins and biopolymers have a great potential application in the medical field. The skeletal biopolymers include chitin and chitosan, collagen, cellulose, and various polysaccharides. The marine skeletal proteins, for instance, calcium-binding proteins, marine enzymes, and various candidate proteins for drug discovery from the calcifying marine organisms. Due to their broad spectrum of biological functions into biopolymer and protein-based drugs and bioactivities, such as anticancer, antimicrobial, bone tissue regeneration, antioxidant, and anti-aging activities, bioactive skeletal proteins and biopolymer have recently gained a great amount of interest in the pharmaceutical, nutraceutical, and cosmeceutical industries. Marine skeletal proteins are also a very rich source of amino acids, which are essential for building good health. Researchers around the world have found that the biopolymers, proteins, and peptides extracted from marine calcifiers are the most convenient and safest sources. The advantages of this source are the huge availability and abundance in the shallow, mid-level, and deep-sea waters.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2021)



## 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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