

Special Issue

Marine Collagen: A Promising Biomaterial for Biomedical Applications

Message from the Guest Editor

Collagen-based biomaterials are extensively applied in various biomedical fields. However, there are many challenges facing the use of mammalian collagen, over the past few decades, marine collagen (MC) has emerged as a promising biomaterial for biomedical applications due to its structural similarity to mammalian collagen. MC offers advantages over mammalian collagen due to its water solubility, easy extractability, low immunogenicity, safety, biocompatibility, biodegradability, antimicrobial activity, functionality, and low production costs. Due to its characteristics and physicochemical properties, it has tremendous potential for use as a scaffold biomaterial in tissue engineering and regenerative medicine, in drug delivery systems, and as a therapeutic.

In this Special Issue, we invite you to submit recent advances in this new research field, including—but not restricted to—extraction, characterization, fabrication, and experimentation of MC, with a particular focus on their biomedical uses. Comprehensive review papers are also welcome in this Special Issue.

Guest Editor

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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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