



New Advances in Marine Derived Biomaterials: Recent Marine Peptides and Saccharides Research

Guest Editors:

Dr. Amin Shavandi

3BIO-BioMatter Unit, École
Polytechnique de Bruxelles,
Université Libre de Bruxelles
(ULB), 1050 Brussels, Belgium

Prof. Dr. Luigi Lay

Department of Chemistry,
University of Milan, via Golgi 19,
20133 Milan, Italy

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Message from the Guest Editors

Thanks to the significant technological advances in biological assays, synthesis, detection and characterisation of biomimetic materials, as well as in the area of glycomics, an ever-increasing number of bioactive compounds is being isolated and discovered. These bioactive compounds, ranging from simple saccharides or peptides to complex biopolymers or drugs, have been extensively used for designing and developing a diverse range of functional and biologically responsive biomaterials for tissue regenerative therapy, with good cell interaction and minimal inflammatory responses.

This Special Issue aims to cover recent research advances on marine-derived biomaterials and new approaches for the valorisation of marine biomass, focusing on the role of marine-derived saccharides and peptides in biological systems, the interactions between biomolecules and marine polysaccharide sequences, and the development of tailored, designed, smart, personalised biomaterials that can modulate cell regeneration and immune system responses.





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Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA
Oceans Institute, The University
of Western Australia, Perth, WA
6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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