



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

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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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Message from the Editor-in-Chief

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