



Marine Biomolecules from Food By-Products: Chitosan and Gelatine

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Message from the Guest Editors

Interest in the recovery of natural polymers from a number of sources has steadily increased over recent years, driven by the environmental problems associated with synthetic plastics. The marine environment harbours a stunning diversity of polymeric materials endowed with a range of properties adequate for a number of applications. Because marine organisms are for the most part destined to human consumption, the most logical approach is to integrate valorisation of by-products generated by the fishing and associated food industry into current industrial processes. With this perspective, chitosan and gelatine stand out as two prominent biomolecules that can be obtained from fish by-products.

This Special Issue aims at covering a holistic approach to gelatine and chitosan from marine food by-products, from novel isolation processes and characterization of biomolecules from new sources, to chemical modifications to suit particular applications, including also performance in specific applications of both native and chemically-modified gelatine and chitosan. Research paper and reviews are welcome.





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