



Frontiers in Marine Chitin

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Message from the Guest Editor

Dear Colleagues,

Chitin is the second most important natural biopolymer in the world and has been identified in bacteria, fungi, plants, and marine invertebrates. Chitin is also found in the cell walls of many fungi and algae. However, chitin from marine sources has plenty of advantages over land animal sources: (1) environmentally friendly; (2) almost negligible presence of biological contaminants and toxins; (3) low inflammatory response; (4) less significant religious and ethical constraints; (5) minor regulatory and quality control problems; (6) metabolically compatible, and much more. It has many applications, for example, in medical (e.g., tissue regeneration, wound dressing, cancer treatment), environmental, and agricultural sectors. Chitin can also be enzymatically deacetylated to chitosan, a more flexible and soluble biopolymer, with a high potential for biomedical applications.

As a Guest Editor of this Special Issue, I invite you to submit recent innovations of this biopolymer, including original work, reviews, short communications, and innovations on the biological sources and their promising applications.





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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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