



Chitin and Chitosan: Properties and Applications

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Deadline for manuscript
submissions:

closed (30 September 2019)

Message from the Guest Editor

This Special Issue is dedicated to chitin and chitosan: properties and applications. The development of new polymer materials has recently become an extremely fascinating research topic, especially in relation to chitin and chitosan. Chitin, chitosan, and their derivatives hold great economic merit due to their versatile activities and biotechnological applications. Chitin and chitosan are traditionally prepared from chitin-containing fishery processing (shrimp shells, crab shells, and squid pens) through various procedures including chemical, enzymatic, and microbial treatments. For improving their properties, chemical modifications have also been intensively studied. Compared to synthetic polymers, chitin and their derivatives have advantages of being biocompatible, biodegradable and sustainable.

The aim of this Special Issue is to discuss their manufacturing, modification, characterization, as well as their various physical and chemical applications in biomedical and green industry fields. Both research and review articles are welcome.





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Message from the Editor-in-Chief

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