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Biomedical Applications of Chitin and Chitosan-II

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Message from the Guest Editor

Dear Colleagues,

Chitin is widely distributed in nature and is the second most abundant polysaccharide after cellulose. It is the major structural component in the exoskeleton of crab and shrimp shells and the cell wall of fungi and yeast. Chitin and chitosan are linear polysaccharides, comprising two monomeric units, namely, N-acetyl-2-amino-2-deoxy-dglucose (N-acetylated groups) and 2-amino-2-deoxy-Dglucose residues (N-deacetylated groups, amino groups). The advantages of chitin and chitosan include easy processability into scaffolds, membranes, bandages, sponges, films, hydrogels, microgels, nanogels, beads, and nanofiber forms. micro-/nanoparticles. processed chitin and chitosan materials are utilized for biomedical applications such as tissue engineering, wound dressing, cosmetics, stem cell technology, anticancer treatments, and drug delivery and functional foods.

The aim of this Special Issue is to discuss biomedical applications of chitin, chitosan, and their derivatives. Research, review, and future articles focusing on the abovementioned fields are welcome.













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Editor-in-Chief

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Message from the Editor-in-Chief

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