



## Chitosan-Based Fibers and Nanofibers

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### Message from the Guest Editors

Dear Colleagues,

Chitosan, a derivative of the natural polysaccharide chitin, has biocompatibility, biodegradability (which applies both to the polymer and the products of its biodegradation), bactericidal activity, an absence of toxicity, and high sorption characteristics. Solubility in dilute solutions of acids and good fiber-forming properties facilitate the processing of this polymer into fibers and nanofibers. Due to such properties, chitosan-based fibrous materials have attracted much attention for applications in cosmetology, cell-replacement technologies, and medicine including tissue engineering. The application of yarn or threads containing chitosan fibers makes it possible to obtain textile materials with improved hygienic characteristics and high bactericidal properties. Modifying chitosan-based materials with other kinds of polymers or nanoparticles can contribute to the expansion of their application areas.

The objective of this Special Issue, “Chitosan-Based Fibers and Nanofibers”, is to focus on actual research topics related to chitosan-based fibrous materials.

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