Special Issue

Chitosan, Its Derivatives and Nanoparticles Based on Chitosan: Synthesis, Characterization and Application

Message from the Guest Editors

The scientific community is now focusing on the use of eco-friendly materials to reduce the environmental impact of synthetic materials. Eco-friendly materials include polymers of natural origin. Chitosan is one such promising biopolymer with a wide range of applications. It has unique properties such as biodegradability, biocompatibility, low toxicity, antimicrobial activity and source availability. The presence of hydroxyl and amino functional groups in the chitosan molecule allows chitosan to be chemically modified, expanding its potential applications. Nanomaterials have many applications due to their superior physical and chemical properties compared to bulk materials.

This Special Issue "Chitosan, Its Derivatives and Nanoparticles Based on Chitosan: Synthesis, Characterization and Application" will focus on various fundamental and applied research of chitosan, its derivatives and nanoparticles and their biomedical and biotechnological applications, including in agriculture.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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