



Chitin and Chitosan Based Materials for Biomedical Applications

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Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to a Special Issue of the journal *Polymers* on the subject area of “Chitin and Chitosan Based Materials for Biomedical Applications.” In recent years, several studies have been related to the production and application of biomaterials based on chitin and chitosan. The main advantages to using these polymers are their biocompatibility, biodegradable, non-toxicity to cells, and antimicrobial properties, and they are easily obtainable from renewable sources. In addition to that, chitin and chitosan can be processed into a variety of biomaterials designs, such as membranes, 3D and 2D scaffolds, beads, micro- and nano-particles, fibers, thin films, sponges, and hydrogels. Thus, these polysaccharides are important candidates for medical applications, especially in tissue engineering, drug delivery, gene therapy, wound healing, immunology, stem cell technology and biosensors. This Special Issue aims to show the recent advances in chitin and chitosan biomedical applications and to highlight the potential for further innovative studies.





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Message from the Editor-in-Chief

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 5.0.

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.

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