

Special Issue

Chitosan and Its Composite Materials for Biomedical Applications

Message from the Guest Editor

Chitosan and its composite materials are highly versatile biomaterials with a wide range of applications in biomedicine. These include wound dressings, tissue engineering, drug delivery, and biosensing. They are highly biocompatible, biodegradable, and antimicrobial. Combining chitosan with other polymers, inorganic materials, or nanoparticles can enhance these properties, resulting in composites with improved mechanical strength, responsiveness to stimuli, and controlled release capabilities. These materials are utilized in wound healing, bone regeneration, and blood vessel regeneration, and for the delivery of genetic materials and drugs. They can also be used as components in biosensors for detecting disease markers.

Guest Editor

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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 4.9.

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

Prof. Dr. Alexander Böker

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