

Special Issue

Biopolymers-Based Nanocomposites: Preparation, Properties and Applications

Message from the Guest Editors

Biopolymers are particularly promising materials for a variety of applications due to their abundance, biocompatibility, and unique characteristics. Because of unique tailorability and natural properties, biopolymers have received a great interest from researchers particularly in the medicinal domain globally. For example, biopolymers exhibit a high efficiency when used in treating wounds, drug delivery or as tissue engineering scaffolds. It is surprising when it is used in industrial fields such as industrial wastewater treatment, which is one of the most serious global problems due to the presence of various impurities including carcinogenic dyes and heavy metals. It is challenging to eradicate such harmful elements from water at the industrial level. Therefore, when using natural polymers with multiple functional groups, their high efficiency in removing such dyes or heavy metals is remarkable and cost-effective. The aim of this special issue is to publish the high quality and impactful research on the different applications of biopolymers that can be prepared in different forms; nanofibers, aerogel, membranes, films, hydrogels, composite and nanocomposite.

Guest Editors

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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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