



Biopolymers-Based Nanocomposites: Preparation, Properties and Applications

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Biopolymers are particularly promising materials for a variety of applications due to their abundance, biocompatibility, and unique characteristics. Because of unique tailorable 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.





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Message from the Editor-in-Chief

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