Special Issue

Biopolymer Nanocomposites: Biomedical, Food and Environmental Applications

Message from the Guest Editors

Biopolymers exhibit remarkable improvements in their mechanical, physicochemical, and biological properties upon modification with a wide variety of nanofillers. Biodegradable and biocompatible bio-based polymeric nanocomposites are, therefore, drawing attention in the biomedical, environmental science, and engineering fields. Biomaterials are fabricated as antimicrobial and anticancer agents in scaffolds, hydrogels, etc., with enhanced mucoadhesive and proliferation abilities for their diverse applications in wound healing, drug delivery, tissue engineering, and regenerative medicine. Bionanocomposites and membranes with significant barrier properties, thermal stability, and antimicrobial properties mitigate the considerable enhancement in the quality and shelf life of food for food packaging applications and water remediation.

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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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