Special Issue

Multifunctional Applications of Chitosan-Based Materials

Message from the Guest Editors

Chitosan, a versatile biopolymer derived from chitin, has gained significant attention due to its exceptional properties, including biocompatibility, biodegradability, and functionalization potential. This Special Issue, entitled “Multifunctional Applications of Chitosan-Based Materials”, seeks to explore the diverse applications of chitosan and its derivatives in fields such as biomedicine, environmental science, and advanced materials. The motivation behind this Special Issue is to highlight the innovative and multifunctional contributions of chitosan in tackling contemporary scientific and industrial challenges. Topics of interest include, but are not limited to, chitosan-based hydrogels, films, membranes, scaffolds, nanoparticles, drug delivery systems, wound dressings, as well as applications in regenerative medicine, and environmental sustainability. We welcome original research articles and review articles that focus on the synthesis, characterization, and practical applications of chitosan in various domains. Submissions that emphasize interdisciplinary approaches or novel methodologies are particularly encouraged.

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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 4.7.

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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