

Special Issue

New Advancements for Bioactive Biomedical Polymers

Message from the Guest Editors

This special issue focuses on forefront developments of polymer-based materials with enhanced properties (e.g., chemical, physical, mechanical, biological), intended for application in biomedical devices, including, but not limited to, prostheses and functional coatings. This collection also aims to cover different emerging fabrication and post-treatment technologies for biomedical polymers, such as 3D printing, electrospinning, and electrospray, among others. Investigations on polymers incorporating different bioactive molecules, both synthetic and natural origin, along with demonstration of their specific effects (e.g., cell differentiation, antimicrobial, antiviral, immune-stimulatory/modulatory, anticarcinogenic, or others) in vitro or in vivo are very suitable for this Special Issue. Eventually, research integrating new tools such as computer modeling or artificial intelligence to predict or optimize the performance of the materials, technologies, and devices will be most appreciated to unveil the future frontiers of biomedical polymers. Research and review papers are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/64285

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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

Prof. Dr. Alexander Böker

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