



New Advancements for Bioactive Biomedical Polymers

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Deadline for manuscript
submissions:

closed (15 April 2023)

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.





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Message from the Editor-in-Chief

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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.

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