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Advanced Biodegradable Polymer Scaffolds for Tissue Engineering

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Deadline for manuscript submissions:
closed (10 April 2023)

Message from the Guest Editors

With its multidisciplinary approach, this Special Issue aims to gather the most recent and important knowledge in top priority scientific fields such as health and emerging technologies. Tissue and organ regeneration are still a challenge in contemporary medical practices. There are currently numerous treatment options, which include the possibility of transplantation, mechanical devices, artificial prostheses, surgery, and drug therapy—yet when discussing massive tissue damage, a major issue is represented by the development of biodegradable scaffolds, with proper mechanical and biological properties, to create a balance between tissue resorption and formation.

This Special Issue will focus on modern synthesis routes and characterization techniques to design tissue regeneration materials with enhanced properties in terms of antimicrobial effect and biocompatibility requirements (e.g., 3D porous composite scaffolds with controlled release of bioactive compounds, scaffolds based on biotemplates or naturally derived biomaterials, with the potential to mimic the native tissue).

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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 5.0.

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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