



Advanced Biodegradable Polymer Scaffolds for Tissue Engineering II

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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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