Special Issue

Functional Polymers for Tissue Engineering

Message from the Guest Editor

Tissue engineering is a rapidly evolving field in regenerative medicine, with functional polymers serving as essential components for creating scaffolds and delivery systems. These materials are uniquely designed to mimic the structure and function of native tissues, offering solutions for tissue regeneration and repair. Functional polymers address critical challenges such as biocompatibility, biodegradability, and the controlled modulation of cellular interactions. Recent advancements in polymer synthesis and fabrication techniques have enabled the development of innovative materials that not only support tissue growth but also deliver therapeutic agents with precision. This Special Issue focuses on recent progress in designing, characterizing, and applying functional polymers in tissue engineering. We aim to showcase how these advanced materials drive breakthroughs in regenerative medicine, fostering innovative solutions to improve patient outcomes. We invite contributions in the form of original research articles and reviews that highlight innovative advancements and emerging trends in this field.

Guest Editor

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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 4.9.

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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