Special Issue

New Insight into Advanced Polymeric Biomaterials for Tissue Engineering

Message from the Guest Editors

Advanced polymeric composites are excellent biomaterials, and they have potential applications in medical science, due to their low price, easy availability, and properties. Biomedical engineering has developed polymeric, hybrid, composite, and multifunctional biomaterials to treat medical issues in medical sciences. This Special Issue aims to introduce advanced polymeric biomaterials in tissue engineering. Advanced polymeric biomaterials have emerged as the most promising candidates for tissue engineering applications due to multifunctional, physicochemical, tailorable mechanical and biological characteristics, including acute environmental sensing, biocompatibility and biodegradability features, as well as advanced polymeric biomaterials produced from natural, synthetic or hybrid polymers. Several fabrication techniques have been characterized, all of which share monomers as building blocks coupled with an initiator and physical or covalent cross-linkers to generate final products. A rational design in advanced polymeric biomaterials preparation achieves the desired mechanism of action and guarantees successful tissue engineering applications.

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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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