Special Issue

Polymer-Based Material for Tissue Engineering

Message from the Guest Editor

Polymeric biomaterials and their chemical structures play key roles in biological systems by providing support, acting as tissue replacements, and facilitating therapy or drug delivery. Accordingly, several techniques for polymer processing have been developed to provide a three-dimensional template for tissue growth and regeneration. 3D printing and stimuli-responsive hydrogels may have an impact in the biomedical field. Meanwhile, biomimetic and intelligent polymeric systems have also been investigated regarding their potential in tissue engineering. Hence, cell–material interactions, the chemical structure of polymers, porous microstructures, and the design of biomaterials are tunable properties that will define the impact of these substances in the biomedical field. We invite authors to submit original research articles as well as review articles to share developments in natural and synthetic polymers for tissue engineering purposes. Of particular interest for this Special Issue are stimuli-responsive hydrogels, biomimetic materials, and hydrogel-based bioinks for use in 3D printing. Sincerely,

Guest Editor

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Deadline for manuscript submissions

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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 4.9.

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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