Special Issue

Polymer-Based Scaffolds and Biomaterials

Message from the Guest Editor

Scaffolds and biomaterials based on polymers have significant applications, such as tissue engineering and controlled drug release in biomedical fields. These materials have many advantages over their counterparts made of inorganic/metal materials. These include diverse molecular structures for functionalization, tunable biodegradation rates and mechanical properties, and low toxicity, as well as a greater flexibility in manufacturing through traditional methods such as lyophilization, electro/wet-spinning, and the more recently developed 3D printing techniques. For this Special Issue, we welcome the submission of manuscripts related to the fabrication and bioapplications of scaffolds, based on either natural or synthetic polymers, in the forms of aerogels/foams, hydrogels, films, fibers, particles, and 3D-printed structures. Manuscripts that review the most up-to-date progress in the fabrication and bioapplications of these materials are also encouraged.

Guest Editor

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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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