

Special Issue

Application of Polymeric Materials in Tissue Engineering

Message from the Guest Editors

Biocompatible and biodegradable polymers are promising materials for tissue engineering applications. Through 3D printing, electrospinning, freeze drying, gas foaming, etc., mimicking extracellular matrix (ECM) structures can be produced to stimulate tissue regeneration physically. Biocompatible polymers are also regarded as excellent substrate loading with functional nanomaterials and biologically important polypeptides (such as growth factors) for the construction of multi-functional scaffolds. Multifunctional scaffolds hold potential to enhance cell attachment, cell proliferation, cell migration, cell elongation, cell differentiation, or expression of specific genes as excellent artificial scaffolds for tissue engineering.

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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 4.7.

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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