

Special Issue

Polymer Composites and Bioactive Materials for Tissue Engineering

Message from the Guest Editors

Development of new biopolymer scaffolds and bioactive materials is critical to the success of tissue engineering and medical applications, connected with cell cultivation. Therefore, this special issue “Polymer Composites and Bioactive Materials for Tissue Engineering” is concerned with structure, properties, and applications of polymer composites, including bioresorbable, bioinert polymers and bioactive materials for tissue engineering applications. Topics may include structural features, microstructure, the relationship between structure and properties and biomedical characteristics, tailored-architected scaffolds, biomimetic structure, mechanical properties, and bioactivity. The issue may also address bioactive materials such as hydrogels, bioceramics, smart polymers, shape memory polymers, self-fitting implants, tissue/cell engineering devices, tissue reconstruction, and cell-biomaterial interactions. Contributions focus on fundamental results, mechanisms, and applications that will help to compile the current state-of-the-art and to highlight their range of application. Both original contributions and reviews are welcome.

Guest Editors

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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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