Special Issue

Polymer Materials for Drug Delivery and Tissue Engineering

Message from the Guest Editors

The recent years have witnessed an impressive development of modern therapies because of the appearance of numerous novel drug-delivery systems and biomaterials synthetized for tissue engineering purposes. The use of polymer-based biomaterials (natural, synthetic, or blends) has played a pivotal role in the tremendous advances reported in the biomedical field because of their tailorable designs, versatility, attractive physiochemical properties, and excellent biocompatibility. On the one hand, polymer-based materials are widely used in tissue engineering for the design and fabrication of biomimetic scaffolds that resemble the complex architecture of the defective tissues, which are easily engineered to exert distinct biological functions. On the other hand, polymers have been used for drug and gene delivery systems fabrication because of their ability to carry both hydrophilic and hydrophobic drugs or other molecules, with a controlled release of controllable doses, that can be biofunctionalized to ensure the efficient delivery of pharmacological cargo to the desired site.

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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

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