

Special Issue

Polymer Materials for Biomedical Applications

Message from the Guest Editor

Polymer materials, including natural source and synthetic polymers, have good biocompatibility and biodegradability and facile synthesis and processing properties. Hence, they have been widely applied for various biomedical purposes. For example, they are processed as nano-sized carriers for drug loading and targeted delivery. They are also engineered as scaffolds for tissue engineering and regenerative medicine. Polymer materials (e.g., hydrogels and electrospun membranes) are also excellent dressing materials for accelerating wound healing. Moreover, injectable hydrogel materials have recently been emerging for anti-tumor and arthritis-related therapies. In this Special Issue, we welcome the submission of original research, review, and perspective articles. This topic covers but is not limited to the following themes:

- Synthesis, functionalization, and characterization of polymer materials for biomedical applications;
- Modification and application of natural polymers;
- Novel applications of polymer materials for biomedical purpose;
- Recent progress and future perspectives of polymers for biomedical applications.

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 5.8.

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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