Special Issue

Application of Polymers in Bioengineering

Message from the Guest Editors

In addition to natural polymers, with the rapid development of biotechnology, engineered polymers have attracted significant amounts of attention in biomedical fields. To recapture the characteristics of the microenvironment in physiology, polymeric composites are broadly applied in tissue engineering and diagnosis assays. Engineered polymeric materials are also widely used in nanomedicine and bio-implantations. Herein, in this Special Issue, we would like to highlight the diverse roles played by polymers in bioengineering; we hope to inspire fundamental research and further applications. Potential topics include, but are not limited to:

- The dynamic interactions of polymeric molecules, such as nucleic acid and proteins, and their applications in bioengineering.
- The applications of polymeric materials in tissue engineering, biosensors, and nanomedicine.
- Studies regarding biofilm formation or biofouling.
- Theoretical models of biological samples, such as biomolecules, cells, and microbial interactions.

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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

Prof. Dr. Alexander Böker
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