Special Issue

Biodegradable Polymers for Biomedical Application

Message from the Guest Editor

A wide range of natural and synthetic biodegradable polymers has been investigated to meet functional demand in the biomedical field ranging from drug and gene delivery, tissue engineering, medical devices, and food packaging. The degradation process and products depend on the chemical structure and the degrading environmental conditions of polymers. In the design of biodegradable biomaterials, many essential properties must be considered. The degradation process of these polymers should be compatible with the regeneration of tissues and should not evoke a sustained inflammation. The degradation products must be nontoxic and should be easily excreted from the body. To meet such requirements, physical, chemical, biodegradable, and biocompatible properties of polymers must be appropriately tuned. The particular interest of this Special Issue is to provide insights into the recent advances in the development of biodegradable polymers with novel biocompatible, physical, chemical, and biodegradation properties and functions and their next-generation applications in the biomedical field.

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 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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