Special Issue

Recent Developments in Biodegradable and Biobased Polymers

Message from the Guest Editor

Biodegradable polymers are considered promising materials to solve the problem of microplastic pollution in marine environments. However, these polymers have some crucial drawbacks such as poor crystallizability and insufficient mechanical properties, compared to commodity polymers synthesized using monomers from fossil fuels. Therefore, many research studies have been devoted to improving their crystallizability and mechanical properties. For crystallizability, the addition of a nucleation agent, diluent, or plasticizer has been reported. To ameliorate the mechanical properties, block copolymerization and polymer blending are main strategies, but it is important to use additives derived from natural sources and components of block copolymers or polymer blends that are biobased and/or biodegradable. In this context, new biobased monomers and synthetic routes of biobased polymers from such biobased monomers should be investigated. This Special Issue focuses on these topics, including biomedical applications and recent developments in biodegradable and biobased polymers.

Guest Editor

Prof. Dr. Shinichi Sakurai

Department of Biobased Materials Science, Kyoto Institute of Technology, Kyoto 606-8585, Japan

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

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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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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