Special Issue

Natural-Based Biodegradable Polymeric Materials II

Message from the Guest Editor

Biodegradable polymers are polymeric materials that degrade naturally through microbiological and chemical processes. Such materials have real-world applications in a variety of human activities. First, the use of biodegradable materials is justified in the field of biomedicine, including for the controlled delivery of drugs and the creation of implants for tissue engineering. The scaffolds used for in situ tissue engineering include hydrogels, aerogels, films, nanoparticles, monolithic, fibrous, microporous, and 3D-printed scaffolds. Biodegradable materials may be functional at the time of implantation or have the ability to perform the intended function after implantation and integrate into the host. Other applications are also relevant, such as environmental protection (packaging materials with controlled degradation rates) and agriculture. Edible and/or biodegradable packages formed from multiple compounds (composite materials) are being developed to exploit the functional properties of constituent materials and overcome their respective disadvantages.

Guest Editor

Dr. Vsevolod Aleksandrovich Zhuikov

Research Center of Biotechnology of the Russian Academy of Sciences, 33, Bld. 2., Leninsky Ave., Moscow 119071, Russia

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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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