Special Issue

Applications of Novel Biodegradable Polymeric Materials

Message from the Guest Editors

Commonly used traditional polymeric materials have many advantages, although their resistance to biological agents causes a negative impact on the environment. Therefore, the use of (bio)degradable polymers with a minimal carbon footprint should become widespread due to the growing interest in sustainability, organic recycling, environmental issues and healthcare. From the sustainability perspective, (bio)degradable polymers represent an interesting and fairly versatile alternative to conventional polymers. There is also increasing demand for (bio)degradable polymers that have been designed as materials for multi-faceted applications with a specific lifetime. Currently, there are challenges related to the design of materials that are stable in use, and at the same time susceptible to microbial attack during organic recycling. Materials intended for specific applications must not only perform specific functions but must also meet acceptable standards of safety during use and exhibit both chemical and physical stability.

Guest Editors

Dr. Joanna Rydz

Centre of Polymer and Carbon Materials, Polish Academy of Sciences, 41-819 Zabrze, Poland

Dr. Marta Musioł

Centre of Polymer and Carbon Materials Polish Academy of Sciences, Zabrze, Poland

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

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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