Special Issue

Functional Polymeric Materials for Biomedical and Environmental Applications

Message from the Guest Editors

Polymeric materials, owing to their versatile properties, have found numerous applications in various areas of life. In this Special Issue, we would like to focus on the fabrication and characterization of functional materials based on synthetic and natural polymers that used in biomedical and environmental fields. With respect to biomedical and environmental applications, we are mainly interested in polymeric materials in the form of particles, capsules, or vesicles ranging from nanometric to micrometric and larger sizes, but crosslinked bulk materials are also of interest. The functionality of such systems can be tailored to desired applications—they may also combine several functionalities, related, e.g., to their stimuli-responsive behavior, encapsulation of active molecules, and photo or redox activity, leading to formation of multifunctional materials. In addition to purely polymeric materials, hybrid systems with polymers serving as templates or matrices and other functional components are also within the scope of this Special Issue. We kindly invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

Prof. Dr. Szczepan Zapotoczny

Faculty of Chemistry, Jagiellonian University, Gronostajowa 2, 30-387 Krakow, Poland

Prof. Czesław Kapusta

Department of Solid State Physics, Faculty of Physics and Applied Computer Science, AGH University of Science and Technology, al. Mickiewicza 30, 30-059 Krakow, Poland

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

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Message from the Editor-in-Chief

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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