Special Issue

Advanced Biopolymer Materials: Preparation, Characterization and Applications

Message from the Guest Editors

Recently, biopolymers have attracted growing interest among research teams around the world. Advanced bio-based materials and their composites are used in the biomedical, commercial, food, and engineering sectors. The use of bio-based materials will improve sustainability by reducing waste and toxic emissions, leading to a greener and cleaner environment. In particular, proteins and polysaccharides are used in the preparation of bio-based materials. The present Special Issue is dedicated to materials based on biopolymers, especially proteins and polysaccharides. The main domains addressed by this Issue are as follows: Protein-based materials;
Polysaccharide-based materials;
Nanocomposite biopolymer-based materials;
Active and intelligent packaging based on biopolymers;
Applications of biopolymer-based materials;
Synthesis and characterization of biopolymer-based materials.

Guest Editors

Prof. Dr. Ewelina Jamróz

Department of Chemistry, Faculty of Food Technology, University of Agriculture, ul. Balicka 122, PL-30-149 Kraków, Poland

Prof. Dr. Pavel Kopel

Department of Inorganic Chemistry, Faculty of Science, Palacky University, CZ-771 46 Olomouc, Czech Republic

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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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About the Journal

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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