

Special Issue

Advanced Bio-Based Polymers: Synthesis, Characterization and Applications

Message from the Guest Editors

Bio-based polymers are polymers produced from a biomass source, in contrast to those originating from an oleochemical source. Regardless of their abundance and the fact that some have been known for decades, these are still not as widespread as their “petroleum” counterparts, mainly due to barriers facing production, cost and the scalability of their functionalization, as well as finding the best niche applications with high added value (e.g. medicine and electronics). Nevertheless, thanks to innovations in synthetic biology, material science, chemistry and pharmaceutical technology, these polymers are becoming more affordable and therefore increasingly used for various purposes.

Guest Editors

Dr. Uroš Maver

1. The Institute of Biomedical Sciences, Faculty of Medicine, University of Maribor, Taborska ulica 8, 2000 Maribor, Slovenia
2. The Department of Pharmacology, Faculty of Medicine, University of Maribor, Taborska ulica 8, 2000 Maribor, Slovenia

Dr. Tina Maver

1. The Institute of Biomedical Sciences, Faculty of Medicine, University of Maribor, Taborska ulica 8, 2000 Maribor, Slovenia
2. The Department of Pharmacology, Faculty of Medicine, University of Maribor, Taborska ulica 8, 2000 Maribor, Slovenia

Deadline for manuscript submissions

closed (30 November 2021)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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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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