Special Issue

Recent Advances in Rubber Recycling

Message from the Guest Editor

Dear Colleague, Dynamic development of the automotive industry and growing demand for rubber products has resulted in an increasing amount of waste rubber, especially in end-of-life tires. Illegally discarded and landfilled waste tires are a serious threat to the environment and human health. Therefore, their further utilization is currently one of the biggest challenges of 21st-century waste management. At present, the vast majority of waste tires are used as alternative fuel in cement kilns and power plants, which allows energy recovery. The common application of this method is mostly related to economic factors, because alternative industrial recycling technologies are rather limited. On the other hand, laboratory scale research is still pursuing new methods in order to provide competitive environmentally friendly utilization or up-cycling of waste tires. The Special Issue “Recent Advances in Rubber Recycling” presents a collection of original research and reviews focused on engineering and technical solutions to support the development of the sustainable utilization of waste rubber.

Guest Editor

Dr. Krzysztof Formela

Department of Polymer Technology, Faculty of Chemistry, G. Narutowicza Str. 11/12, Gdańsk University of Technology, 80-233 Gdańsk, Poland

Deadline for manuscript submissions

closed (30 September 2020)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/22216

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)