Special Issue

Textile and Fiber-Reinforced Wood-Based Materials

Message from the Guest Editor

Wood and plants are raw materials available worldwide. Their synthesis from carbon dioxide and water with the aid of light makes natural substances one of the largest suppliers of materials and a global factor in the Earth's carbon dioxide sink and carbon dioxide cycle. This has led to increased attention on renewable raw materials in the fight against global warming and in building a sustainable economy. In this Special Issue, the focus is on wood, fibers, textiles, processes, and concepts as well as synthetic polymers and biopolymers that make a substantial contribution to the United Nations' Sustainability Goals. We are looking for fundamental and applied research on innovative materials, material combinations, and hybrid composites that clearly go beyond the state of the art and research and which offer improved properties, use fewer natural resources, and allow more biodiversity, while remaining environmentally friendly and also competitive.

Guest Editor

Prof. Dr. Peer Haller
Institute of Steel and Timber Construction, Technische Universität Dresden, 01062 Dresden, Germany

Deadline for manuscript submissions

closed (20 August 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/103348

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)