

Special Issue

Fiber-Reinforced Materials/Composites: Manufacturing, Characterization, Modeling, Testing and LCA

Message from the Guest Editor

Composite materials are extensively used in several engineering areas. The design and development of composite materials is a complex process, since a number of ingredients can be used in the formulation. As the properties of composite materials can be affected in different ways by the manufacturing process, the investigation of the possibilities for modeling, prediction, and optimization of their performance is crucial. This Special Issue covers, but is not limited to, the topic of fiber-reinforced composites, which includes four main groups of composites according to their matrices:

- metal matrix composites (MMCs);
- ceramic matrix composites (CMCs);
- carbon/carbon composites (C/Cs);
- polymer matrix composites (PMCs).

Contributions dealing with innovative research on manufacturing methods, characterization technique, modeling, and testing are welcome, as well as the application of the life-cycle assessment method to design sustainable products.

Guest Editor

Prof. Dr. Angela D. La Rosa

Department of Manufacturing and Civil Engineering, Norwegian University of Science and Technology (NTNU), Teknologivegen 9, 2815 Gjøvik, Norway

Deadline for manuscript submissions

closed (15 October 2021)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/45115

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

[mdpi.com/journal/
materials](https://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](https://mdpi.com/journal/materials)



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)