Special Issue

Mechanical Properties and Manufacturing Processes of FRP Composite Materials

Message from the Guest Editors

In recent decades, fiber-reinforced polymer (FRP) composites have been increasingly adopted in the field of engineering to achieve a reduced weight, a prolonged service life, or improved structural performance. Applications of FRP composites mainly lie in their advantages of high strength- and stiffness-to-weight ratios, superior corrosion resistance, excellent fatigue performance, etc. FRP composites can be manufactured through various techniques depending on the desired mechanical properties and geometries, and the most common techniques include pultrusion, filament winding, vacuum-assisted resin transfer molding, compression molding, wet lay-up, etc. This Special Issue is seeking research on the mechanical properties and manufacturing techniques of FRP composites. To align with the scope of the journal, only research on materials for engineering is welcome.

Guest Editors

Dr. Tian-Qiao Liu

Dr. Alexander Safonov

Dr. Daniel Carlos Taissum Cardoso

Deadline for manuscript submissions

closed (20 April 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/163985

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

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)

MDPI