Special Issue

Fabrication and Performance Evaluation of Fiber Reinforced Composites

Message from the Guest Editors

Fibrous composites, highly esteemed for their low specific gravity, enhanced strength, increased stiffness, heightened corrosion resistance, extended life cycle, and, notably, their lightweight structure, emerge as pivotal in this pursuit. Beyond these intrinsic advantages, the captivating attributes of design flexibility, consolidation feasibility, and multifunctionality solidify the prominence of these materials in advanced engineering. Consequently, the exploration of fabricating and evaluating the performance of fiber-reinforced composites assumes multifaceted significance. This endeavor not only contributes to the optimization of these composites but also underscores their indispensable role in addressing industry-specific requirements through a nuanced understanding of fabrication techniques.

The primary objective of this Special Issue is to bring together cutting-edge research on the fabrication and performance evaluation of fiber-reinforced composites. We seek to explore the diverse aspects of this field and highlight its significance in addressing contemporary challenges. Original research articles and reviews are eagerly welcomed for this Special Issue.

Guest Editors

Dr. Jiaxing Ma

Dr. Chao Wu

Prof. Dr. Xiaogang Liu

Dr. Lik-Ho Tam

Deadline for manuscript submissions

20 August 2025

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/195511

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)