Special Issue

Advances in Experimental Investigation and Computational Modeling of Fiber Reinforced Polymers and Composites

Message from the Guest Editors

Owing to their excellent strength-to-weight ratio, fiber-reinforced polymers and composites have received significant attention in different applications, e.g., automotive, marine, aerospace and construction. This Special Issue of *Materials* is dedicated to the recent advances in the experimental investigation and computational modeling of fiber-reinforced polymers and composites. We are expecting to receive papers dealing with cutting-edge issues on the research and application of polymers and composites containing internal fibers in different applications.The topics included in this Special Issue include but are not limited to the mechanical, durability, thermal, fire microstructural, and long-term properties of the composites manufactured using different types of internal fibers (including recycled, natural and synthetic fibers) and nanomaterials. Both original contributions and reviews are welcome.

Guest Editors

Dr. Aliakbar Gholampour
College of Science and Engineering, Flinders University, Tonsley, SA, Australia

Prof. Dr. Togay Ozbakkaloglu
Ingram School of Engineering, Texas State University, San Marcos, TX 78666, USA

Deadline for manuscript submissions

closed (10 June 2025)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/190721

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)