Special Issue

Additive Manufacturing of Composites: Methods, Applications, and Challenges

Message from the Guest Editors

The main aim of this Special Issue is to collect research results related to elucidating the subtle intricacies of the integration of composites—whether polymer, ceramic, or metallic-based alloys and compounds, potentially reinforced by fillers, chopped fibers, or continuous fibers—with AM technologies, emphasizing the importance of material compatibility, process optimization, and the development of reinforcement strategies. We invite contributions that offer a detailed examination of the current state of AM in composite material fabrication. Articles should focus on overcoming challenges, leveraging the unique properties of composites, and exploring the potential for novel applications. Through this collective effort, the issue aims to advance our understanding and application of AM composites in various industrial sectors. Your scholarly input will be invaluable in shaping a comprehensive narrative on the future of composite materials within the AM landscape.

Guest Editors

Dr. Jan Mayén

Dr. Jesús Porcayo-Calderón

Dr. Miguel A. Ruiz-Gomez

Deadline for manuscript submissions

closed (20 April 2025)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/202435

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)