

Special Issue

Advanced Materials: Process, Properties, and Applications

Message from the Guest Editors

We are excited to announce the Special Issue entitled “Advanced Materials: Process, Properties, and Applications.” This Special Issue will underline the use of advanced materials in different applications such as in the aerospace, automotive, nuclear, and chemical industries. We welcome review and experimental articles related to various advanced materials from research groups worldwide to encourage the dissemination of scientific knowledge through this open-access journal. It is our pleasure to invite the submission of manuscripts for this Special Issue. Some of the proposed topics of this Special Issue include:

- Cermet;
- High-entropy alloys;
- Functionally grade materials;
- Advanced high-strength steels;
- Nanomaterials and nanocomposites;
- Self-lubricating materials;
- MAX phase materials, MXenes.

Assistant

Guest Editors

Dr. Pradeep Menezes

Dr. Eunja Kim

Merbin John

Deadline for manuscript submissions

closed (20 February 2025)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/144296

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)