

Special Issue

Advanced Materials, Machinability and Intelligent Manufacturing Systems

Message from the Guest Editors

The modern global economy faces several important challenges that require the creation of new technological solutions. The issues related to advanced materials, machinability and intelligent manufacturing systems hold a pivotal role in the advancement of modern engineering and technology. The significance of these fields stems from their potential to revolutionize various industries, driving innovation and sustainability in the global economy. With the development of new materials, it has become necessary to develop new technological solutions enabling the production of products with new, previously unknown functional characteristics and functions. Challenges in the field of manufacturing technology require in-depth research not only in the field of technology but also new tools and the environment for performing manufacturing processes. The Special Issue awaits the results of the latest work in the above-mentioned areas, which may contribute to the development of advanced materials and machinability technologies, as well as broadly understood intelligent manufacturing systems.

Guest Editors

Prof. Dr. Anna Burduk

Dr. Andre Batako

Prof. Dr. Anthony Xavior Michael

Dr. Suthep Butdee

Prof. Dr. Jose Machado

Dr. Kamil Krot



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2

CiteScore 6.4

Indexed in PubMed



mdpi.com/si/211659

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)



Deadline for manuscript submissions

closed (20 November 2025)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
materials](http://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)

