



Advanced Material, Machinability & Intelligent Future Manufacturing Systems

Guest Editors:

Dr. Andre Batako

Engineering & Technology
Research Institute, Liverpool
John Moores University, Byrom
Street Liverpool, L3 3AF, UK

Prof. Dr. James Ren

School of Engineering, Liverpool
John Moores University,
Liverpool L3 3AF, UK

Dr. Anna Burduk

Faculty of Mechanical
Engineering, Wroclaw University
of Science and Technology,
Wybrzeże Wyspiańskiego 27, 50-
370 Wroclaw, Poland

Deadline for manuscript
submissions:

closed (20 July 2023)

Message from the Guest Editors

Dear Colleagues,

Recent years have seen several new discoveries and developments in materials including graphene, carbon nanotubes and a variety of ceramics. Material scientists have earnestly taken advantage of these new advances to create a myriad of new materials. We invite papers from experts in the fields of material characterization and material machining, focusing on their production processes that serve as an important resource to underpin further activities in manufacturing. Papers will cover the current progress, gaps between areas and encourage new directions for research over the coming decades. Therefore, contributions are welcomed from the following topics list of topics, which is by no means exhaustive:

- Materials in additive manufacture of safety-critical components;
- Manufacture of metal matrix composites (MMC) and ceramic matrix composites (CMC);
- MMC and CMC composites, characterization and machinability;
- New techniques in the machining of hard-to-machine materials;
- Biological material manufacture process and applications;
- Material and manufacturing process modelling ;





an Open Access Journal by MDPI

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

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.

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 & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)