Special Issue

Manufacturing Technology: Materials, Innovations and Applications

Message from the Guest Editors

The development of manufacturing technology is the basis for the expected changes in the industry as a response to global economic, social and environmental challenges. The challenges of the new industrial era make it necessary to take an interdisciplinary look at the problems and challenges related to manufacturing technologies. Recognizing these challenges and formulating solutions requires the consideration of knowledge in the field of materials engineering, chemistry, physics, mechanical engineering, electronics, mechatronics, transport, and economics. This Special Issue is a platform for the exchange of knowledge and the experience of scientists related to innovations in the field of manufacturing technology, the development of subtractive, additive and hybrid machining processes, circular economy and sustainable production.

- Supervision and monitoring of subtractive, additive and hybrid machining processes;
- Simulation, prediction and optimisation of manufacturing processes;
- Development of machining tools and machining devices;
- Recycling, waste management and circular economy in manufacturing processes;
- etc.

Guest Editors

Prof. Dr. Dariusz Lipiński

Prof. Dr. Wojciech Kacalak

Prof. Dr. Mirosław Pajor

Prof. Dr. Mariusz Deja

Prof. Dr. Błażej Bałasz

Deadline for manuscript submissions

closed (10 May 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/168800

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)