

Special Issue

Laser Machining Technology in Materials Science

Message from the Guest Editor

Laser machining is a highly flexible, widespread, non-contact process used in industry and science. Laser processing is used extensively, from mass processing to micromachining and microstructuring in the semiconductor, electronics, automotive, aerospace, and biomedical applications. A wide range of laser sources with various combinations of wavelength, pulse duration, energy, and pulse frequency offer a wide range of research and production opportunities in many fields, especially in materials science, in the discovery and design of new or advanced materials. This Special Issue includes, but is not limited to, new and advanced materials using laser machining/fabrication techniques, laser micro/nano-production, theoretical modeling of the interaction of laser light with matter, simulations giving insight, and understanding of processes taking place during laser processing.

Guest Editor

Dr. Zaneta Swiatkowska-Warkocka

Henryk Niewodniczanski Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland

Deadline for manuscript submissions

closed (20 July 2022)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/96453

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)