



an Open Access Journal by MDPI

## Machining and Manufacturing of Alloys and Steels

Collection Editor:

### Prof. Dr. Robert Čep

VSB-TU Ostrava, Faculty of  
Mechanical Engineering, 17.  
listopadu 2172/15, 708 00  
Ostrava, Czech Republic

### Message from the Collection Editor

Dear Colleagues,

This Special Issue deals with all machining technologies as well as the follow measurement of parts and the evaluation of the machined surface integrity. We welcome articles focusing on conventional and unconventional machining technologies, progressive machining technologies (HSC, HFC, HPC, etc.), CAD/CAM/CAP/CIM technologies, post-processing of 3D printing manufactured parts, cutting tools, the measurement and testing of machine tools, the machinability of steels and alloys, coatings of cutting tools, the measurement of dimensional and shape accuracy of workpieces, the evaluation of all parameters of surface integrity after machining, and all other topics focusing on the machining and manufacturing of steels and alloys.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Prof. Dr. Robert Čep

*Guest Editor*

- machining
- manufacturing progressive technologies
- cutting tools
- surface integrity
- 3D printing
- engineering metrology



[mdpi.com/si/44780](https://mdpi.com/si/44780)



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 and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)