



## Advances in Metallic Materials Machining

Guest Editor:

**Prof. Dr. Peter Pavol Monka**

Department of Automotive and  
Manufacturing Technologies,  
Faculty of Manufacturing  
Technologies, Technical  
University of Košice, Sturova 31  
street, SK-080 01 Presov, Slovakia

Deadline for manuscript  
submissions:

**closed (22 November 2022)**

### Message from the Guest Editor

Dear Colleagues,

We are pleased to invite you to publish original contributions in the area of metallic materials machining. Research in the machining area is very important for understanding physical principles, building a knowledge base, innovation in industry and business, and improving environmental conditions.

Specific research areas of interest for this Special Issue may include (but are not limited to) the following:

- I. Advances in machining of metallic materials
  - a. Theoretical and practical achievements in machining of materials
  - b. Material preparation methods
  - c. Chip formation
  - d. Machinability
  - e. Physical manifestations of machining
  - f. Surface integrity
  - g. Structural alternations
  - h. Machining of special materials
  - i. Special machining methods
- II. Advances in tool materials
  - a. Theoretical and practical achievements in machining tool materials
  - b. Material preparation methods
  - c. Treatment and coatings
  - d. Wear mechanisms
  - e. Tool life





an Open Access Journal by MDPI

## Editors-in-Chief

### Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

### Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

## Contact Us

---

Metals Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/metals](http://mdpi.com/journal/metals)  
[metals@mdpi.com](mailto:metals@mdpi.com)  
[X@Metals\\_MDPI](https://twitter.com/Metals_MDPI)