

## Special Issue

# Applied Artificial Intelligence in Steelmaking

### Message from the Guest Editor

Steelmaking as the process of producing steel from iron ore or scrap is one of the major existing technologies, crucial also for the development of a future technological society. At the same time, the fourth industrial revolution has introduced artificial intelligence into all aspects of our everyday life. This Special Issue of *Metals* will cover the usage of artificial intelligence methods in all stages of the process, from steelmaking through casting to rolling, heat treating, and delivery of the product (e.g., manipulation, transportation, logistics), including monitoring, quality assurance, and environmental issues. Practical applications are especially welcome.

### Guest Editor

Dr. Miha Kovačič

1. Štore Steel d.o.o., Železarska Cesta 3, 3220 Štore, Slovenia
2. Faculty of Mechanical Engineering, University of Ljubljana, Aškerčeva cesta 6, 1000 Ljubljana, Slovenia
3. College of Industrial Engineering, Mariborska cesta 2, 3000 Celje, Slovenia

### Deadline for manuscript submissions

closed (31 May 2021)



## Metals

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/45854](https://mdpi.com/si/45854)

*Metals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metals@mdpi.com](mailto:metals@mdpi.com)

[mdpi.com/journal/  
metals](https://mdpi.com/journal/metals)





# Metals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/journal/  
metals](https://mdpi.com/journal/metals)



## About the Journal

### Message from the Editor-in-Chief

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.

---

### Editor-in-Chief

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei  
Compendex, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q1 (Metals and Alloys)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 18 days after  
submission; acceptance to publication is undertaken in 2.6  
days (median values for papers published in this journal in  
the first half of 2025).