

## Special Issue

# Advances in Iron and Steel Industry: Equipment, Technologies and Automation

### Message from the Guest Editors

The Special Issue “Advances in Iron and Steel Industry: Equipment, Technologies, and Automation” is devoted to providing and sharing recent achievements in the iron and steel industry: steels and alloys, pyrometallurgical processes, foundry production, welding, metal forming, and digitalization of steel plants. The Special Issue summarizes research in technical disciplines in universities, research institutes, large industrial enterprises, scientific and industrial associations, as well as research results obtained on the personal initiative of the authors. We hope you will contribute your high-quality research, and we welcome you to submit your articles. , prof. Vadim R. Khramshin

---

### Guest Editors

Prof. Alexandr S. Maklakov

Mechatronics and Automation Department, South Ural State University, Chelyabinsk, Russia

Prof. Vadim R. Khramshin

Director of Power Engineering and Automated Systems Institute, Nosov Magnitogorsk State Technical University, Magnitogorsk City, Russia

---

### Deadline for manuscript submissions

closed (20 February 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 6.1



[mdpi.com/si/75699](https://mdpi.com/si/75699)

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

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

[appls](https://appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 6.1



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)