# Special Issue

# Corrosion and Protection of Metals and Alloys and Electrochemical Evaluation

## Message from the Guest Editor

An enormous effort has been focused on the development of new technologies for corrosion protection of metal materials. New environmentally-friendly technologies and advanced materials will lead the way in the next century. State of the art technologies for metals corrosion protection for various applications such as energy, transport, and construction are currently of high interest. Corrosion protection and characterization for estimation of lifetime of metals is enormous priority for engineering. The investigation of corrosion mechanism, the corrosion protection mechanism of new technologies, environmentally-friendly corrosion inhibitors, coatings on metals, advanced materials are subjects highly related with this Special Issue on Corrosion and Protection of Metals. Articles related on all aspects of corrosion are invited to contribute to this Special Issue.

- Corrosion of alloys
- Corrosion inhibition
- Environmentally-friendly corrosion inhibitors
- Organic coatings on alloys
- Corrosion evaluation with electrochemical methods

## Guest Editor

Dr. Andronikos Balaskas
School of Chemical Engineering, National Technical University of Athens, 9 HeroonPolytechniou St., Zographos, Athens, GR-15773, Greece

## Deadline for manuscript submissions

closed (30 April 2022)

**Metals**

**an Open Access Journal by MDPI**

**Impact Factor 2.5**
**CiteScore 5.3**

mdpi.com/si/69254

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

mdpi.com/journal/metals

# Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

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, CAPlus / 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 18.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).

MDPI