



## Corrosion and Electrochemical Behaviors of Metals

Guest Editor:

**Dr. Antonio Collazo**

CINTECX, ENCOMAT Group,  
Universidade de Vigo, 36310 Vigo,  
Spain

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Dear Colleagues,

In recent years, renewed interest in the study of corrosion phenomena and the development of new materials and more resistant coatings has led to significant improvements in both fundamental knowledge and engineering applications in this field.

This Special Issue covers a broad spectrum of recent scientific topics and concepts in the field of corrosion research and electrochemical behavior of metals, providing an excellent opportunity for researchers, academics, and technologists from leading universities, companies, and research centers to present their latest research at the forefront of corrosion knowledge and engineering.

Original papers and critical reviews are awaited in topics such as:

- Electrochemical testing methods for the study of corrosion behavior of advanced engineering materials and coatings;
- Corrosion kinetics, passivity, and localized corrosion;
- Synthesis and characterization of new corrosion resistance materials;
- Newest results in surface coatings and surface modifications;
- Fundamental aspects of interfacial science;
- Mechanisms and methods of corrosion control.





an Open Access Journal by MDPI

## 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

## 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.

## 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, Ei Compindex, 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](#)