

Special Issue

Corrosion and Protection of Metals

Message from the Guest Editor

One of the biggest issues in corrosion engineering is to estimate the service lifetime. This becomes very difficult, as there is no direct correlation with service lifetime and experimental lab results, usually as result of accelerated testing and real corrosion processes. This issue is of particular concern for society, since existing structures and infrastructure are getting old, and now crucial decisions must be made to replace them.

On the other hand, environmental protocols seek to reduce greenhouse effects. Therefore, low emission policies, in force, establish regulations for the next generation of materials and technologies. Advanced technologies and emergent materials will enable us to get through the next century. Great advances are currently in progress to develop corrosion resistances metal materials for different sectors such as energy, transport, construction, and health.

This Special Issue on Corrosion and Protection of Metals is focused on current trends in corrosion science, engineering, and technology, thus covering subjects related to corrosion mechanism & modelling, protection and inhibition processes, and mitigation strategies.

Guest Editor

Prof. Dr. David Bastidas

Faculty of Science, Engineering and Built Environment, School of Engineering, Deakin University, Waurn Ponds, VIC 3216, Australia

Deadline for manuscript submissions

closed (31 December 2019)



Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/16612

Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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, 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).