

Special Issue

Corrosion and Inhibition Processes

Message from the Guest Editor

In a changing world with a high demand for renewable energy sources and lowering environmental impacts, the preservation of natural resources and minimization of metallurgical extraction processes will dramatically aid in lowering energy consumption and greenhouse gas emissions. In this regard, the conservation of industrial assets by controlling corrosion degradation and increasing their lifetime in service becomes of crucial importance for society.

In a growing global economy, the understanding of corrosion and inhibition processes, along with the search for models that correlate the service lifetime and experimental results, contributes towards the implementation of more effective corrosion management strategies, resulting in a reduction of corrosion losses.

This Special Issue on Corrosion and Inhibition Processes is focused on current trends in corrosion science, engineering, and technology and aims to cover research studies related to corrosion and inhibition mechanisms, corrosion management, mitigation strategies, corrosion case studies, and simulation and modeling.

Guest Editor

Dr. David M. Bastidas

1. National Center for Education and Research on Corrosion and Materials Performance, NCERCAMP-UA, The University of Akron, 302 E Buchtel Ave, Akron, OH 44325, USA
2. ROSEN USA, 14120 Interdrive East, Houston, TX 77032, USA

Deadline for manuscript submissions

closed (25 July 2021)



Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/50431

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 Editorial Board

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.

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

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 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).