metals

an Open Access Journal by MDPI

IMPACT FACTOR 2.6

CITESCORE 4.9

Corrosion and Inhibition Processes

Guest Editor:

Dr. David M. Bastidas
ROSEN USA, Inc., 14120 Interdrive East, Houston, TX 77032, USA

Deadline for manuscript submissions:
closed (25 July 2021)

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.

metals

IMPACT FACTOR 2.6

CITESCORE 4.9

an Open Access Journal by MDPI

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

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.

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, 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

mdpi.com/journal/metals
metals@mdpi.com
𝕏@Metals_MDPI