

Special Issue

Corrosion Protection for Metallic Materials

Message from the Guest Editors

Metallic materials are widely used in the petrochemical industry, automobile manufacturing, rail transit, aerospace and other fields. The corrosion resistance of metallic materials directly affects the service safety and service life of related structures and practices involving many metal structures such as welded components, additive parts, forging and pressing. Therefore, the corrosion protection of metallic materials is always a hot topic, and an area that requires further study. We invite researchers in relevant fields to submit both research papers and review articles. Potentil topics include:

- Processing of corrosion-resistant metallic materials, such as stainless steel/corrosion resistant aluminum alloy welding/additive manufacturing, and so on.
- Improvement of corrosion performance of metallic materials in all processing steps in the final analysis of microstructure and properties, such as corrosion resistant coating, laser surface process, and so on.

..... We encourage the publication of both research papers and review articles.

Guest Editors

Dr. Chao Chen

College of Mechanical and Electrical Engineering, Northeast Forestry University, Harbin 150040, China

Prof. Dr. Xiaohui Zhao

School of Materials Science and Engineering, Jilin University, Changchun, China

Deadline for manuscript submissions

closed (31 December 2023)



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

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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

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