

Special Issue

Corrosion of Metals: Behaviors and Mechanisms

Message from the Guest Editors

Steel is an indispensable raw material in our human society, and corrosion is an inherent defect of steel materials that cannot be avoided. Therefore, achieving higher corrosion resistance of steel is an important research direction for scientists. This Special Issue will focus on key findings on the corrosion behavior and mechanism of metallic materials. In this Special Issue, we welcome research on the corrosion behavior and mechanism of metallic materials (such as steel), as well as research on material corrosion resistance regulation techniques and advanced corrosion characterization techniques.

Guest Editors

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Deadline for manuscript submissions

closed (25 April 2025)



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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.

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