Special Issue

Electrochemical Corrosion Behavior and Corrosion Protection of Metallic Materials

Message from the Guest Editor

This Special Issue, entitled “Electrochemical Corrosion Behavior and Corrosion Protection of Metallic Materials,” will focus on delving into the intricate realm of electrochemical processes governing the corrosion behavior of metals, aiming to explore the fundamental mechanisms, characteristics, and factors influencing the electrochemical corrosion of metals. Additionally, it will explore strategies and advancements in corrosion protection technologies to mitigate and prevent such detrimental processes. The contributions within this Special Issue will offer valuable insights, ranging from in-depth analyses of corrosion mechanisms to innovative approaches for safeguarding metals against electrochemical degradation. This Special Issue will serve as a comprehensive resource for researchers, scientists, and practitioners engaged in the study and application of corrosion science and protection methodologies for various metallic materials.

Guest Editor

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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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