

Special Issue

Corrosion Issues and Challenges for Sustainable Development

Message from the Guest Editors

This Special Issue aims to create awareness of corrosion, its mitigation using sustainable materials, and green chemistry approaches for metal protection in different corrosive environments. Fundamental, interdisciplinary, experimental, and empirical modeling of sustainable materials and machine learning predictions are welcome. We encourage academic and industry researchers to submit high-quality, original manuscripts and review/critical perspectives on the following topics for sustainability and productivity: Corrosion inhibitor formulation using sustainable materials and approaches; Experimental and theoretical modeling in corrosion inhibition studies; Critical review and future perspectives on sustainable corrosion inhibitors; Reasonable application and long-term protection of metallic materials; Research and development of corrosion resistant metallic materials; Corrosion cost analysis with statistical optimization.

Guest Editors

Prof. Dr. Lei Guo

Prof. Dr. Xingwen Zheng

Dr. Valentine Chikaodili Anadebe

Dr. Vitalis Ikenna Chukwuike

Deadline for manuscript submissions

closed (1 September 2023)



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Impact Factor 3.3
CiteScore 7.7



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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