Special Issue

Advances in Sustainable Utilization of Metals: Recovery and Recycling

Message from the Guest Editors

With accelerated global industrialization and expanding technology industries, the consumption of metal resources has continued to increase. The traditional linear model of "mining–processing–disposal" has resulted in escalating environmental and resource problems such as resource depletion, energy waste and pollution. Against this backdrop, the sustainable and comprehensive utilization of metals, particularly via recycling and a circular economy, has become crucial for mitigating resource constraints and reducing environmental loads. As such, advances in the sustainable utilization of metals via recovery processes and recycling are garnering more attention. In this Special Issue, original research articles and reviews are welcome.

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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

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