Special Issue

Green Technologies in Metal Recovery

Message from the Guest Editor

In the context of green and low-carbon technology, researching green comprehensive disposal methods for metallurgical slag and dust is of great significance. This Special Issue aims to gather the latest international research achievements in the green comprehensive recovery of metallurgical slag and dust and report on the latest green technologies and comprehensive disposal measures in this area. This Special Issue focuses on the research results of various types of green recovery technologies and comprehensive disposal methods, including non-ferrous smelting slag, non-ferrous refining slag, electrolytic slag, high-arsenic antimony dust, and steelmaking chromium slag, providing a new perspective for achieving the green and efficient comprehensive utilization of metallurgical solid waste. We cordially invite submissions from all parties, hoping for relevant researchers to provide deeper insights and solutions for the utilization of non-ferrous smelting slag, non-ferrous refining slag, electrolytic slag, high-arsenic antimony dust, and steelmaking chromium slag and promote academic exchange and cooperation in related fields.

Guest Editor

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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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