

Special Issue

Metallurgy and Recycling of Nonferrous Metals

Message from the Guest Editor

Non-ferrous metals play a decisive role in many areas of application. In recent years, the process routes of these metals have increasingly become the focus of energy, ecological, and economic optimization. This is related to approaching zero waste in a circular economy.

Especially in these areas, enormous efforts are currently being made to improve process technology. However, this is not only about end-of-life products for the recycling process, but also about the large amount of non-ferrous metal-containing by-products, which accumulate during the entire primary and secondary production process. The recycling of these materials not only represents an important contribution to the environment, but these by-products are also partly a high-quality raw material for the extraction of non-ferrous metals. This Special Issue will present the latest research related to advanced techniques for the metallurgy and recycling of nonferrous metals in the field of primary metallurgy and in the recycling of end-of-life products and non-ferrous metal-containing residues. The main focus should be on closing loops and climate relevance in the field of non-ferrous metals production.

Guest Editor

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About the Journal

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

Prof. Dr. Yong Zhang

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