Special Issue

Recent Developments of Non-ferrous Alloys: Processing, Microstructure and Properties

Message from the Guest Editor

With the development of modern technology, the growing demand for advanced non-ferrous alloys (Aluminium, Copper, Nickel, Lead and Zinc, etc.) drives the development of the non-ferrous metallurgy industry. Moreover, non-ferrous alloys play a key role in many high-tech fields and promote the development and progress of industrial countries. Advanced non-ferrous alloys with excellent properties (high strength, excellent ductility, good wear resistance and corrosion resistance, etc.) are also widely used in various fields, such as automobiles, electronics, aviation, aerospace and biomedicine. Thus, by covering all types of non-ferrous alloys, this Special Issue aims to provide better assessments of advanced non-ferrous alloys, including alloy design, processing methods, microstructure characterization, properties and application potentials.

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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