



Non-Ferrous Metallic Materials

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Message from the Guest Editor

Dear Colleagues,

The progress in practical application has been determined by intensive research and development works on the non-ferrous alloys. However, it has recently been realized that a better understanding of strengthening and flow properties applied to manipulating the grain refinement processes can enable improvements of their mechanical and functional properties. The aim of this Special Issue is to shed a light on some of the recent developments in nonferrous alloys related especially to the production technology, casting techniques, heat treatment processes, additive manufacturing, surface engineering and severe plastic deformation processes. This Special Issue will focus on some important effects of these special treatment processes on the evolution of the microstructure and properties of some selected non-ferrous metals, especially light.

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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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