



Non-ferrous Alloys, Synthesis, Microstructure and Properties

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Message from the Guest Editors

Dear Colleagues,

The lines of research related to the synthesis and the control of microstructure and mechanical properties in non-ferrous alloys are an essential focus of attention at different levels of research due to the current requirements of obtaining materials for more demanding applications. Thus, the metals, alloy manufacturing processes, and forming processes have evolved at an accelerated rate intending to be at the vanguard of obtaining new alloys with mechanical and microstructural properties that meet such requirements.

Therefore, the design, synthesis, and development of new alloys; the optimization of commercial alloys; the modification of the microstructure to achieve the required properties or to improve the existing properties; the design of new routes for the forming process and heat treatments are the present challenges of the new generations in metallurgy and materials science.

Deadline for manuscript
submissions:

closed (30 April 2022)



mdpi.com/si/86245

Special Issue



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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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Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q1 (*Metals and Alloys*)

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