



metals



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Processing-Structure-Property Relationships in Metals

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Message from the Guest Editors

In the industrial manufacturing of metals, the achievement of products featuring desired characteristics always requires the control of process parameters in order to get a suitable microstructure. The strict relationship among process parameters, microstructure, and mechanical properties is a matter of interest in different areas, such as foundry, plastic forming, sintering, welding, etc., and regards both well-established and innovative processes.

Nowadays, circular economy and sustainable technological development are dominant paradigms and impose an optimized use of resources, a lower energetic impact of industrial processes and new tasks for materials and products. In this frame, this Special Issue covers a broad range of research works and will contain research and review papers.

We do hope the Special Issue of *Metals* will gather manuscripts from academic and industrial researchers, will lead to fruitful international networking and cooperation, as well as stimulating new ideas and investigations.



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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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