



Microstructure, Texture and Properties Control in Alloys

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Message from the Guest Editors

Dear Colleagues,

Optimization of the microstructure and texture in metals continues to be a significant challenge for industry and academia. This is even more important nowadays when social issues, such as global warming and metal scarcity, are key concerns of current far-reaching policy decisions. An effective way to address these issues is the development of advanced alloys with excellent combinations of properties—weight, strength and ductility. The main objective of this Special Issue of *Metals* is to facilitate more intense developments in this field of research, and to disseminate these recent developments to industry.

Among the main subjects of interest for this Special Issue are papers focused on: (i) methods for microstructure and texture control in advanced high strength steels, pipeline steels, aluminum, magnesium and titanium alloys, (ii) new (non-conventional) technological approaches for production of these alloys that will lead to improved mechanical, technological and functional properties





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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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