



Advances in Electromagnetic Processing of Metallic Materials

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Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editor

We would like to invite you to provide submissions for publication in this Special Issue on the effect of external electromagnetic fields on the behaviour of metals and alloys. During recent years, there has been increasing interest in developing processes based on high external electric or magnetic fields to attain improved properties in metals and alloys. Much of this research has focused on the application of electromagnetic fields to materials in the solid state. Preference has been given to the use of pulsed fields as they can minimize energy consumption as well as treatment time. This Special Issue aims to present the latest research concerning the use of external electric and magnetic fields in materials processing. Papers should aim to introduce new knowledge which can allow for progression in this important research topic for both the scientific and technical communities.





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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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