



metals



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Feature Papers in Crystallography and Applications of Metallic Materials

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Message from the Guest Editor

Metallic compounds have multiple applications (automobile, biomedical, structural, magnetic). One of the aspects that most influences its functional response is its microstructure. Therefore, the crystallographic characterization of metal alloys is of scientific and technological interest. One of the goals is to design advanced materials. This Special Issue will be devoted to research work on metallic materials, and on the study of their microstructure and properties (mechanical, electrical, magnetic, optical, etc.). Manuscripts that take into account the influence of the composition or processing, including thermal annealing or pressure application, are also expected. Likewise, in addition to the fundamental works, more complex experimental studies that take into account crystallization, anisotropy, texture and/or crystallographic defects and theoretical studies (ab initio, modelling, simulation) will be analysed. Review papers are also welcomed.



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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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