

Special Issue

Processing of Advanced Alloys for Aerospace, Automotive and Biomedical Applications

Message from the Guest Editors

COVID-19 and its after effects demands the processing domain (casting, foming, joining, additive and subtractive manufacturing, etc.) to be at the centre stage of any research. The usage of advance alloys such as Nitinol, Waspalloy, Udimet, etc. has been rapidly initiated due to their application in different high growth and important sectors such as biomedical, aerospace, etc. These alloys perform exceedingly paramount under challenging conditions and applications, however the main problem lies in the difficulty in their processing due to their exotic nature. This Special Issue encapsulates the experiences of researchers in different processing techniques on conventional and advanced alloys speciafically for the applications such as aerospace, automtovie, biomedical and many more.

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Yong Zhang

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