Special Issue

Graphene Reinforced Metal Matrix Nanocomposites

Message from the Guest Editor

This Special Issue aims to provide contributions focusing on the emerging trends, both in graphene nanoplatelets and metal matrix composite development, and in composite manufacturing technologies. Original articles and review papers will deal with the following themes, without being limited to them: Processing and characterization of any type of graphene and metal matrices, microstructure evaluation, physical and structural characterization and testing, optimization of properties and processes including calculations, simulation of properties over length-scales, and novel applications of graphene-reinforced metal matrix nanocomposites. Contributions on multiscale composites, advanced manufacturing processes, novel joining methods, cutting-edge joining and assembly processes are also encouraged. Technological advancements and, as a result, the need for devices with high efficiencies are encouraged.

Guest Editor

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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

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