

Special Issue

Structure, Properties and Applications of Metal Matrix Composites (Second Edition)

Message from the Guest Editors

Metal matrix composites (MMCs) have become the focus of intensive scientific investigation and applied research due to their application as structural and functional materials in advanced technological fields, such as automotive and aerospace engineering and other light and heavy industries. Their most important asset is the combination of mechanical and structural properties of a metal-based matrix with those of its reinforcing phase, which results in tailoring material properties to fulfill the requirements of numerous applications. This Special Issue aims to provide a worldwide platform for publishing theoretical and experimental articles, reviews, and short communications related to the development, synthesis, modeling, wettability phenomena, applications, and the mechanical and tribological characterization of emerging metal-based composites and nanocomposites.

Guest Editors

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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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