

Special Issue

Metal Matrix Composites

Message from the Guest Editor

Metal matrix composites are emerging as critical materials in engineering and biomedical applications due to their capability to be tailored in terms of engineering properties. With a history of about four decades, researchers have been able to establish synthesis methods for metal-based composites containing reinforcements in the range from micron-length scale to nano-length scale. Current research in the area of nanocomposites, for example, is perhaps the most intriguing. Similarly, the emergence of magnesium and new alloys have opened new challenges for researchers to advance in the area of metal-based composites. Accordingly, the main aim of this Special Issue is to provide a platform for researchers worldwide to showcase their work in the domains of synthesis, characterization, modelling and applications of metal-based composites.

Guest Editor

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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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