

Special Issue

Performance and Application of Metal Matrix Composite Coatings and Components

Message from the Guest Editors

This Special Issue focuses on the applications and performance of MMC (metal matrix composite) materials, such as weld hardfacing, thermally sprayed deposits, bulk composites, additive-manufactured metal structures, etc. In addition, papers focusing on operational performance improvements via microstructural property modifications and the deposition of novel wear-resistant coatings onto metal-based substrates are of interest. We hope that the scientific papers submitted to this Special Issue provide novel knowledge in materials science and mechanical engineering. This Special Issue is open for submissions and welcomes original research contributions and review articles highlighting recent advances and future directions in the effect of microstructures on the wear, corrosion, and erosion behavior of metal-based composite coatings and components.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



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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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