

## Special Issue

# Advanced Research of Metal Matrix Composites

### Message from the Guest Editor

Metal matrix composites are materials based on metals, alloys, and intermetallics, reinforced by particles or fibers. Due to their designability, metal matrix composites have good ductility and toughness, a high modulus, and strength. Hence, metal matrix composites have developed into a new type of material, which has been widely applied in military, aerospace, and automotive fields, etc. Thus, publications about the fabrication, characterization and testing of metal (e.g., Al, Ti, Fe, NiTi and TiAl et al.) matrix composites reinforced with different phases (e.g., fibers, particles, whiskers) are encouraged to be submitted for publication in this Special Issue. Furthermore, the composite manufacturing process (e.g., powder metallurgy, hot-pressed sintering, infiltration, stir casting) and strengthening mechanism analysis (e.g., fine-grain strengthening, second-phase strengthening) will also be fully considered. It is expected that, through this Special Issue, some guidance will be offered on the fabrication, investigation and application of the metal matrix composites.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2022)



## Metals

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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.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

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