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Progress on Metal Matrix Composite: Design, Processing and Application

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Deadline for manuscript submissions:

closed (20 November 2023)

Message from the Guest Editors

Dear Colleagues,

Metal matrix composites (MMCs) have great application potential in space technology, aerospace, and automotive industry because of its excellent mechanical properties.

Nowadays, MMCs are developed toward higher strength, good ductility or toughness, and multi-functional properties . For this purpose, attempts have been focused on multi-scale and architecture design, novel fabrication methods, and so on.

The aim of this Special Issue is to understand the basic principles of design, processing, and application, as well as new progress and findings in the fields of advanced MMCs. The articles presented in this Special Issue will cover various topics on MMCs, including, but not limited to:

- Multi scale and architecture design;
- Novel fabrication methods, advanced characterization techniques;
- Interface modification;
- Computer modeling and simulation for architecture, interface, and service performance;
- Corrosion, tribological, physical and mechanical behaviors;
- Understanding the relationship between microstructure and properties.



It is our pleasure to invite you to submit your article to this Special Issue.









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Editor-in-Chief

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Message from the Editor-in-Chief

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