



Recent Trends in Metal Matrix Composites

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Message from the Guest Editor

Metal-based composites provide a unique dimension in tailoring the properties of metals primarily through the selection of type, size, and amount of reinforcement, type of processing, and thermal treatment. The properties of metallic matrices, therefore, can be tailored depending on the end applications. In view of the dynamic functional capabilities that can be exhibited by MMCs, this Special Issue will cover all aspects of “Metal Matrix Composites”, including synthesis (solid, liquid, 2-phase, and 3D printing), secondary processing, effects of thermal treatments, properties (tensile, compressive, fatigue, impact, creep, tribological, etc.), corrosion behavior, and joining techniques. The main objective, thus, will be to bring the latest results in the area of metal matrix composites to the research community worldwide.

Keywords

- processing: primary and secondary
- microstructure
- properties
- tribology
- corrosion
- machinability
- joining





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Message from the Editor-in-Chief

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