Special Issue

Metal Matrix Materials: Manufacturing and Properties

Message from the Guest Editor

It is a known fact that global warming is caused by the pollution that is emitted by vehicles. This includes water transportation, road transportation, and air transportation. The bodies of these vehicles still mainly consist of heavy materials, such as steel. Some of these heavy materials are not easy to replace with lightweight materials, because not all materials can perform optimally under certain conditions. Some of those lightweight materials can perform perfectly in salty environments, such as seawater, hot environments, etc. Generally, the properties of these materials can be altered to produce new materials called metal matrix composites and these materials can be produced using various techniques. This Special Issue aims to consider works that deal with the manufacturing and the characterization of metal matrix composites. It is anticipated that the knowledge that will be contained in all submissions will be useful in various manufacturing sectors.

- metal matrix composites
- metal materials
- surface composites
- reinforcements
- friction stir processing
- friction stir additive manufacturing
- casting
- microwave heating technique

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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