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Metal Matrix Composites Reinforced with Carbon Nanotubes

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Deadline for manuscript submissions:
closed (30 November 2019)

Message from the Guest Editors

Dear Colleagues,

Composites are multiphase or hybrid materials which, when combined, display noticeably different properties from conventional materials. Nanocomposites with metallic, ceramic, or polymeric matrices reinforced by nanoparticles have been the subject of intense research. These nanocomposites show significant improvements in various properties, exceeding the values of composites containing micron-scale reinforcements.

Carbon nanotubes, due to their extraordinary properties, are excellent candidates for use as reinforcements in nanocomposites. Interest in research on this subject continues since the expected promising results of these nanocomposites have not yet been obtained due to several challenges that need to be overcome.

This Special Issue aims to publish research papers and reviews that cover recent developments on the production, characterization, and properties of "Metal Matrix Composites Reinforced with Carbon Nanotubes", as well as their potential in future applications.

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Message from the Editorial Board

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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