



Preparation and Characterization of Metal-Ceramic Composites

Guest Editor:

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Message from the Guest Editor

Dear Colleagues, Metal-ceramic composites are a family of heterogeneous composite materials composed of metals/alloys and one or more types of ceramic, which combine the good properties of metals and ceramics. Traditional metal-ceramic composites consist of a continuous metal/alloy matrix and uniformly dispersed ceramic particles in the matrix, which can be fabricated by powder metallurgy, casting, in situ synthesis, etc. Recently, metal-ceramic composites with different types of structures have attracted more and more attention. Meanwhile, different preparation methods have been employed to form those different structures that further improve the comprehensive properties of metal-ceramic composites.

In this Special Issue, we are pleased to invite you to submit research articles and reviews focused on recent experimental and theoretical results related to the preparation and structure-property characterization of metal-ceramic composites, which is expected to provide some reference for the further research and the development of metal-ceramic composites. We look forward to receiving your contributions.





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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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