



Ceramic Composites and Films

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Message from the Guest Editor

Dear Colleagues,

Ceramic composites are one of the most attractive materials that can be applied in a variety of fields. It has been shown that composites exhibit superior properties to monolithic ceramics. There are many ways to fabricate ceramic composites, from the preparation stage of the raw materials and powders to the sintering stage. The microstructure and properties of ceramic composites are strongly affected by the synthesis processes and conditions. Ceramic nanocomposites are receiving growing interest due to their high strength and properties characterized by nanograins.

Ceramic coatings can improve the performance of coated materials such as wear resistance, reduction of friction, corrosion resistance, etc. The fabrication procedure also ranges widely, from dipping in sol-gel solutions and sintering, to chemical vapor deposition (CVD) of gaseous materials.

In this Special Issue “Ceramic Composites and Films”, focus is put on fundamental and novel advancements relating to the fabrication, microstructure, properties and other issues concerning ceramic composites and films.





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Message from the Editor-in-Chief

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