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Novel Metal-Ceramic Composites

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 March 2022)

Message from the Guest Editor

Dear Colleagues,

The combination of two or more different materials offers a range of advantages. Metal–ceramic composites are natural candidates for these demanding applications due to the diverse and dissimilar physical properties of metals and ceramics, which gives the final products attractive mechanical, electrical, thermal, and biochemical properties and property combinations.

In this Special Issue we are soliciting original experimental and theoretical papers, as well as comprehensive reviews which are focused on a novel scientific and technological progress associated with the preparation of nano- and microsized metal–ceramic composites. The scope of this Special Issue covers a very broad range of topics from fundamental concepts, experimental and theoretical studies relating to this type of composites, influence of constituent materials concentration, and geometric parameters of composite medium, determining the physicochemical properties, investigation of the microstructure and microstructure–property relationships, manipulation of properties through various manufacturing and processing techniques, metal–ceramic joining, modeling, and simulations.



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Special Issue



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Message from the Editor-in-Chief

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