

Special Issue

New Trend in Metal-Ceramic Composite Materials

Message from the Guest Editors

Metal matrix composites (MMCs) are commonly produced by combining tough metallic matrix with hard ceramic or soft reinforcement materials. Besides traditional MMCs, novel MMCs containing advanced metal-ceramic composites with significant potential for next generation engineering applications are encouraged. Design, manufacturing and the extinguished properties of new applications for metal-ceramic composites are high perspectives for modern MMC science and engineering. Through research on advanced design technology, manufacturing technology, interface control technology, and multi-scale analysis technology, researchers aim to improve the structural performance of advanced composite materials and realize new functional properties. This Special Issue on “New Trend in Metal-Ceramic Composite Materials” intends to collect the latest developments in the field, written by well-known researchers who have contributed significantly to the research field of the fabrication, characterization, and application of MMCs. To create a new future convergence industry and respond to the 4.0 industry, we ask for the participation of related industry-academic experts, students, etc.

Guest Editors

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Deadline for manuscript submissions

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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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