

Special Issue

Research on Processing and Properties of Ceramic Matrix Composites

Message from the Guest Editors

Ceramic Matrix Composites (CMCs) are revolutionizing high-temperature, corrosive, and structurally demanding industries such as aerospace, energy, and automotive engineering. Their unique combination of lightweight design, thermal stability, and resistance to wear and oxidation addresses critical challenges in extreme operating environments. However, challenges such as interfacial bonding optimization, porosity reduction, and cost-effective scalability persist. This research area bridges materials science, engineering, and chemistry, driving innovation in energy-efficient manufacturing and durable structural solutions.

We are pleased to invite you to contribute to the Special Issue “Research on Processing and Properties of Ceramic Matrix Composites”. This initiative aims to showcase cutting-edge developments in CMC synthesis, characterization, and application, fostering interdisciplinary collaboration to advance their real-world impact.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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