Special Issue

Ceramic-Matrix Composites

Message from the Guest Editor

Ceramic-Matrix Composites (CMCs) are made of fibrous reinforcements made of carbon, carbide, or oxide fibers, with a ceramic matrix and an intentional or spontaneous interphase between them, providing them with a non-brittle character although all constituents are fragile. Therefore, they are capable of overcoming the usual limitations of more classical refractory materials. They are high-tech, high-performance materials, with applications in many domains like: aerospace propulsion; atmospheric re-entry of space objects; high-performance braking of aircraft and automobiles; high-temperature heat exchange in power plants and industry; nuclear technology, etc. They bring the attention of scientists and engineers to many aspects of their processing, structure, properties, applications.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2021)

Journal of Composites Science

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.8

mdpi.com/si/52144

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