

Special Issue

Processing, Characterization and Properties of Particulate Composite Materials

Message from the Guest Editors

Particle-reinforced composites are economical and easily fabricable options for high-strength materials. In general, hard ceramic particles are reinforced into different matrices (e.g., metals, polymers) to achieve higher strength and wear resistance. Particulate-reinforced composites find applications where a high level of wear resistance is required. The type, shape, and spatial arrangement of the reinforcing phase are the key parameters determining the mechanical behavior of the composite. Particulate composites with a polymer matrix and solid fillers are an important type of material. Generally, these materials are used as construction materials, high-performance engineering materials, or protective organic coatings. Metal matrix composites with ceramic particle reinforcements find applications in cutting tools, and ceramic matrix composites find applications in high-temperature environments. This Special Issue will address manufacturing, characterization, properties, and applications of advanced particulate composites to illustrate this material family.

Guest Editors

Prof. Dr. Tammana S. R. C. Murthy

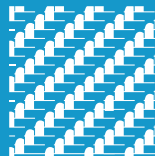
Material Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, India

Dr. J. K. Sonber

Material Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, India

Deadline for manuscript submissions

closed (30 November 2022)



Journal of Composites Science

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.8



mdpi.com/si/91840

Journal of Composites Science
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcs@mdpi.com

mdpi.com/journal/

[jcs](https://jcs.mdpi.com)





Journal of Composites Science

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.8



[mdpi.com/journal/
jcs](https://mdpi.com/journal/jcs)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Francesco Tornabene
Department of Innovation Engineering, University of Salento, 73100
Lecce, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Materials Science, Composites) / CiteScore - Q1 (Engineering (miscellaneous))