Special Issue

Additive Manufacturing of Composites and Nanocomposites

Message from the Guest Editors

The integration of additive manufacturing (AM) with advanced composites unlocks potential in the design, development, and implementation of extraordinarily complex and functional structures for broad engineering applications including the aerospace, automotive, and biomedical industries. Starting in the mid-2000s and continuing to the present, the focus of AM has shifted from rapid prototyping to the production of end-use components. Numerous AM technologies, such as stereolithography, direct ink writing, fused deposition modeling, and selective laser sintering, have been demonstrated for the fabrication of fiber-reinforced composites and nanocomposites. These technologies continue to grow due to their versatility, flexibility, and potential to be integrated with the Internet of Things (IOT) for Industry 4.0 implementations in advanced aerospace, healthcare, and defense applications. This Special Issue entitled “Additive Manufacturing of Composites and Nanocomposites” provides a platform for the composites community to present cutting-edge breakthroughs in fundamental and applied science relevant to the field of 3D printing of advanced composites and nanomaterials.

Guest Editors

Dr. Yingtao Liu

School of Aerospace and Mechanical Engineering, The University of Oklahoma, Norman, OK, USA

Prof. Dr. Yirong Lin

College of Engineering, University of Texas at El Paso, El Paso, TX 79968, USA

Deadline for manuscript submissions

closed (31 December 2022)

Journal of Composites Science

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.8

mdpi.com/si/90881

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

MDPI

Journal of Composites Science

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.8

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))

MDPI