

## Special Issue

# Application of Composite Materials in Additive Manufacturing

### Message from the Guest Editor

The scientific background of composite materials in additive manufacturing encompasses various disciplines, including materials science, mechanical engineering, and chemistry. Combining materials such as polymers, metals, ceramics, and fibres in a single manufacturing process allows for optimising properties tailored to specific applications. For example, using carbon fibre-reinforced polymers (CFRPs) in 3D printing has shown significant improvements in the strength-to-weight ratio, making them ideal for aerospace and automotive applications where weight reduction is critical. The aim of this Special Issue is to provide a comprehensive platform for disseminating pioneering research and advancements in integrating composite materials with additive manufacturing technologies. This Special Issue seeks to gather original research articles and reviews that explore innovative methodologies, material developments, and applications of composite materials in 3D printing. We aim to address the current challenges, uncover potential opportunities, and highlight the transformative impact of composite materials on additive manufacturing processes.

---

### Guest Editor

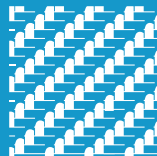
Dr. Bankole Oladapo

School of Science and Engineering, University of Dundee, Dundee, UK

---

### Deadline for manuscript submissions

closed (31 August 2025)



## Journal of Composites Science

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.8



[mdpi.com/si/210116](https://mdpi.com/si/210116)

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

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