# **Special Issue**

# Biomedical Composite Applications

## Message from the Guest Editors

Biomedical composites, which integrate biocompatible materials with tailored mechanical, thermal, and biological properties, have revolutionized patient care by improving the functionality, durability, and performance of medical devices. Advances in polymer-based. ceramic-based, and metal-based composites, as well as the incorporation of nanomaterials, have led to breakthroughs in regenerative medicine, prosthetics, and antimicrobial coatings. By garnering cutting-edge research in this area, this Special Issue aims to highlight the latest innovations and their transformative potential in biomedical applications. This Special Issue seeks to provide a platform for high-quality research that addresses both fundamental and applied aspects of biomedical composites. By showcasing novel materials. fabrication techniques, and their applications in medicine, this collection will contribute to the ongoing development of advanced healthcare solutions.

#### **Guest Editors**

Dr. Luis Jesús Villarreal-Gómez

Dr. Yoxkin Estévez-Martínez

Dr. Faruk Fonthal Rico

#### Deadline for manuscript submissions

30 June 2026



# Journal of Composites Science

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 5.8



# mdpi.com/si/237365

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

mdpi.com/journal/

jcs





an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 5.8





## 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))

