# Special Issue

# Fiber-Reinforced Composites: Latest Advances and Interesting Research

### Message from the Guest Editors

Under the global sustainability initiatives and the dualcarbon agenda, contemporary material innovation increasingly prioritizes three critical dimensions—multifunctionality, environmental compatibility, and intelligent responsiveness—while maintaining rigorous performance standards. Current Fiber-reinforced composites (FRCs) systems demonstrate diversified material architectures, each presenting unique advantages that enable tailored solutions for nextgeneration applications in aerospace and new energy vehicles.

This Special Issue seeks to consolidate cutting-edge research and comprehensive reviews addressing advanced fabrication techniques such as additive manufacturing, multiscale performance characterization methodologies, predictive theoretical modeling frameworks, interesting numerical simulation approaches, lifecycle assessment, etc. While polymer matrices remain predominant in FRC applications, novel composite systems incorporating ceramic or metallic matrices are also welcomed, but the development potential of composites composed with the selected matrix and fiber must be discussed in the manuscript.

### **Guest Editors**

Dr. Changfang Zhao

Dr. Ming Li

Dr. Xuyao Zhang

### Deadline for manuscript submissions

30 June 2026



## **Processes**

an Open Access Journal by MDPI

Impact Factor 2.8 CiteScore 5.5



mdpi.com/si/233534

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

mdpi.com/journal/ processes





# **Processes**

an Open Access Journal by MDPI

Impact Factor 2.8 CiteScore 5.5



## **About the Journal**

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

#### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

#### **Author Benefits**

### Open Access:

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

### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

### Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))

