# **Special Issue**

## Research on Fatigue and Failure Mechanisms of Composites

### Message from the Guest Editor

The study of fatigue and fracture in composite materials is crucial for advancing sustainable, high-performance engineering solutions. This Special Issue focuses on the simulation and numerical analysis of fatigue and fracture, with an emphasis on biobased, biodegradable, and multifunctional composites. We invite pioneering research that enhances understanding of material behavior under cyclic loading, including fatigue life, crack propagation, and failure modes in sustainable alternatives to traditional composites. We also seek studies on natural fiber composites, particularly their interphase and interface failure mechanisms under complex loading conditions. Contributions combining simulation and experimental investigations are especially encouraged. By bridging these approaches, this Special Issue aims to provide a comprehensive perspective on the challenges and advancements in the field, offering valuable insights for researchers, engineers, and industry professionals developing sustainable composite materials.

### Guest Editor

Dr. Nithya Subramanian Brightlands Materials Center, Netherlands Organization for Applied Science Research (TNO), 6167 RD Geleen, The Netherlands

### Deadline for manuscript submissions

20 September 2025



# Journal of Composites Science

an Open Access Journal by MDPI

### Impact Factor 3.7 CiteScore 5.8



mdpi.com/si/233592

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

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### Message from the Editor-in-Chief

### Editor-in-Chief

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

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