

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.

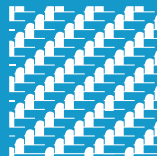
Guest Editor

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Deadline for manuscript submissions

20 September 2025



Journal of Composites Science

an Open Access Journal
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Impact Factor 3.0
CiteScore 5.0

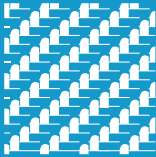


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