

Special Issue

Advances in Sustainable Composites and Manufacturing Innovations

Message from the Guest Editor

As global demand for sustainable materials and efficient manufacturing grows, this Special Issue focuses on advancements in sustainable composites and their integration with innovative manufacturing technologies. It aims to highlight research crucial for achieving high-performance, eco-friendly composite systems. We invite contributions on the development, characterization, and application of recyclable composites and nanocomposites, as well as advancements in additive manufacturing techniques for sustainable materials. Topics of interest include novel processing methods, enhanced material properties, and designs leveraging bio-based resources. We also welcome research on process control to optimize quality, throughput, and resource efficiency, along with non-destructive evaluation methods for assessing composite integrity and performance. This Special Issue aims to bridge materials science, mechanical engineering, and sustainability, paving the way for greener manufacturing practices. We welcome original research, reviews, and case studies that address these themes from multidisciplinary perspectives.

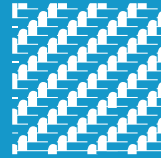
Guest Editor

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Deadline for manuscript submissions

closed (5 December 2025)



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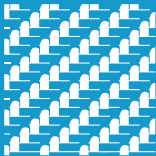
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Editor-in-Chief

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