

Special Issue

Research on Recycling Methods or Reuse of Composite Materials

Message from the Guest Editors

Composites are increasingly used in engineering due to their strength, corrosion resistance, light weight, and fatigue properties. However, their widespread use raises concerns about disposal and recycling at the end of life. Despite advancements, recycling remains challenging due to the heterogeneous nature of composites. Current methods, such as mechanical, thermal, and chemical recycling, are still in early stages and costly. Research in composite recycling, especially on sustainable and efficient methods, is limited. This Special Issue invites articles focused on composite recycling, including fibre–matrix separation, thermoset resin recovery, glass fibre recycling, thermoplastic composites, resin recovery, and large component recycling. We particularly welcome contributions addressing the environmental and economic challenges of current processes. We also seek submissions on recent advances in polymer composite recycling, emphasizing novel technologies, manufacturing, characterization, and practical applications. Full papers, reviews, and case studies on recycling innovations are encouraged.

Guest Editors

Prof. Dr. Rita De Cássia Mendonça Sales

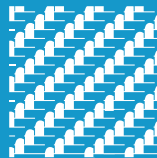
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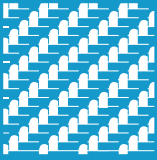
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