



Mechanical Characterization of FRP Composite Materials

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 November 2022)

Message from the Guest Editor

This Special Issue is aimed at soliciting contributions focused on characterizing the mechanical performance of FRP composite materials. The scope of papers includes studies that assess the general deformation response, damage evolution, and failure morphology of conventional and emerging FRP composite materials under various loading conditions (e.g., quasi-static, dynamic, fatigue, and impact). Multi-scale investigations of fracture toughness and damage mechanism evolution, as well as the assessment of manufacturing induced defects and their influence on material performance, are also welcome. Papers targeted at developing novel experimental techniques or non-destructive damage assessment methods for FRP composites will also be considered.

Keywords

- characterization
- fiber-reinforced plastic composites
- mechanical properties
- damage and failure
- manufacturing induced defects
- non-destructive evaluation





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Message from the Editor-in-Chief

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