



Fibre Reinforced Polymer (FRP) Composites in Structural Applications

Guest Editor:

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Deadline for manuscript submissions:

closed (25 January 2023)

Message from the Guest Editor

This Special Issue aims to present current research on Fibre Reinforced Polymer (FRP) Composites in Structural Applications with emphasize on improving performance and durability of civil structures.

Issues that will be addressed include ‘prevention of environmental degradation of epoxy resins modified with the addition of different fillers’ as coating systems applied to timber structures (reinforced with microcrystalline cellulose/multi-walled carbon nanotube/calcium sulphate, as chemical stabilisers), durability, treatment and coating timber species and also anchor devices for improving the bond between CFRP/ Sprayed FRP for the repair and rehabilitation of concrete, metallic and timber structures.

An in-depth understanding of the performance and fragility function of FRP-retrofitted multi-storey buildings, seismic response and plastic hinging mechanism of FRP-retrofitted RC frames, engineered timber and sandwich beams, anchorage devices for concrete/timber structures (bound-slip response of polymers and concrete/timber substances) are highly focused in this Special Issue.





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Message from the Editor-in-Chief

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