



Fiber Reinforced Polymer Materials: Structure and Properties Characterization

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Message from the Guest Editors

Fiber-Reinforced Polymer (FRP) materials have emerged as a vital class of composites due to their exceptional mechanical properties and versatile applications. Comprising a matrix reinforced with high-strength fibers such as carbon, glass, or aramid, synergistic interaction of the reinforcing fibers and the polymer matrix allows them to interact at the interface and achieve the most efficient load transfer possible. Fiber-reinforced polymers are widely used in industries in the form of aerospace and automotive to civil engineering and marine applications. This is due to their excellent non-conductive and non-corrosive properties, as well as their enhanced mechanical properties, such as high durability, stiffness, damping properties, flexural strength, etc.

Thus, the main objective of this Special Issue is to provide a platform for scholars and researchers worldwide to publish their work on the properties, applications and numerical simulation of FRP composites.





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