Special Issue

Fiber Reinforced Polymer Composites: Preparation, Applications and Prospects

Message from the Guest Editor

Fiber-reinforced polymer (FRP) composites have attracted significant attention due to their outstanding mechanical performance, lightweight nature, corrosion resistance, and adaptability for diverse applications ranging from aerospace and automotive to energy and infrastructure systems. The continuous evolution of stiff fiber and tough polymer matrices, advanced fabric architectures, and nano-/micro-modification strategies have expanded their potential for structural and functional integration in next-generation engineering systems. This Special Issue, titled *"Fiber Reinforced Polymer Composites: Preparation, Applications and Prospects"*, aims to provide a comprehensive platform for disseminating recent advances in the design, processing, characterization, and application of FRP composites. Topics of interest include, but are not limited to, the following: interfacial engineering and toughening mechanisms; multifunctional properties such as thermal management, flame retardancy, or electrical conductivity; computational modeling and simulation of composite behavior; and industrial applications in space/aerospace, industrial applications, renewable energy, and construction.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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