Special Issue

Recent Advances in Lightweight Fiber-Reinforced Polymer Composites

Message from the Guest Editor

Lightweight fiber-reinforced polymer (FRP) composites are finding increasing applications in various industries including automotive, civil, marine, and aerospace industries due to their high specific strength, high corrosion and impact resistance, and high durability. Various fibers, synthetic or natural, short or continuous, have been utilized to develop FRP composites with tailorable properties. Furthermore, recent rapid advancement and reduced cost in manufacturing functional nanomaterials such as carbon-based nanomaterials (e.g., graphene, carbon nanotubes, carbon nanofibers), metal nanomaterials (silver nanowires, silver nanoparticles), metal oxide or carbide (zinc oxide nanoparticles, Mxene) enables to further tune FRP composites with new functionalities including self-sensing (structure health monitoring), energy storage, electromagnetic shielding, and so forth. This Special Issue provides a platform for researchers to publish their work on exploring new design and fabrication methods for achieving tailored mechanical properties and new functionalities for FRP composites. Research and review articles are kindly invited for this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

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 4.7.

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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