



Polymer Composites in Aerospace Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Polymer composites have many prominent advantages, including high specific strength and modulus, good thermal and chemical resistance, etc., and are, thus, gradually drawing attention for industrial aerospace applications. Fiber-reinforced polymer composites and fiber-metal laminated composites are major polymer composites used as alternative materials to replace heavy metal structures for lightweight design. High-performance development remains a focus for polymer composites in aerospace to ensure structural stability and safety in use; therefore, more novel reinforcement or design methods, including polymer matrix improvement, interlaminar toughening, and bonding interface design, are desirable and required to toughen the polymer composites.

The purpose of this Special Issue is to explore the most recent research articles and reviews on the design and analysis of polymer composites in aerospace applications. A special emphasis is placed on structure design, process methods, and complex mechanical mechanisms.

Dr. Fei Cheng
Guest Editor





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