Special Issue

Polymer Composites in Aerospace Applications

Message from the Guest Editor

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.

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

Prof. Dr. Alexander Böker
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