Special Issue

Advanced Functional Fibers Composites: Synthesis, Characterization and Application

Message from the Guest Editor

Advanced Fiber Reinforced Polymers (FRP) have been widely used in aerospace and automotive industries, as well as other fields due to their excellent thermo-mechanical properties, and high strength-to-weight ratio. The polymer blends with fiber as additives are also included in FRP in this special issue. Synthetic fibers, chemical fibers, natural fibers, nanofibers, and other fibrous substances can be used to reinforce polymers. The polymer matrix can be thermoplastic and thermoset with different shapes according to their applications. The Special Issue focuses on advanced fiber-reinforced polymers, advanced FRP composites, and other advanced functional fibers composites. The main research includes but is not limited to the structure design and process methods of Advanced FRP, the modification of fiber and polymer materials, the bonding and debonding between fiber and polymer matrix, the simulation of dispersion, and failure of Advance FRP, and the interface and surface problems.

Guest Editor

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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 4.7.

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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