



## Advanced Polymer Composite Materials III

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### Message from the Guest Editor

Dear Colleagues,

A polymer composite is a material system composed of two or more macro/micro/nanoconstituents of different shapes, properties or chemical compositions, at least one of which is a polymer. The design of multifunctional and tunable polymer-based composite materials is an emerging area of research with a wide range of applications in industry. Polymer composite materials can be classified according to matrix materials and reinforcement geometries. In addition, polymer composites can be a multiphase material with a significant proportion of each phase or a blended material system with a continuous phase that greatly enhances the physical, chemical or biological properties of the material matrix. By optimizing molecular interfaces between different components, polymer-based composite materials can also encompass a range of functions. In this Special Issue, we will highlight the latest developments in these advanced polymer composite materials, including their design, synthesis, characterization, manufacturing, and modeling, as well as their various applications. Both research and review articles are welcome.

Prof. Dr. Xiao Hu  
Guest Editor





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