

Special Issue

Advanced Polymer Composite Materials III

Message from the Guest Editor

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.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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