Special Issue

Advances in Polymer/Graphene Composites and Nanocomposites

Message from the Guest Editor

Graphene has many unique advantages, including excellent mechanical properties, high electrical and thermal conductivity, huge specific surface area, and various derivatives and processing methods, so that it can be used as a filler to form polymer/graphene composites or nanocomposites, which can improve the mechanical properties, electrical conductivity, thermal conductivity, or electromagnetic shielding properties of a polymer matrix. In this Special Issue, "Advances in Polymer/Graphene Composites and Nanocomposites", we focus on new forms of graphene/polymer composites and nanocomposites, such as aerogels, hydrogels, fibres, colloid, emulsion, powders, and nanomembranes; novel polymer matrices, including fluorine rubber, silicone rubber, PPTA, cellulose, chitin, polyimide, and polylactic acid; novel structures, synthesis methods, and interface interactions; and applications, including medical, electronics, sensing, actuators, protection, environment, and energy. Here, graphene is not just a nanofiller, but a potential major component or the main body of the material.

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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