Special Issue

Advanced Polymer Composites with Electromagnetic Functionality

Message from the Guest Editor

In view of the inherent flexibility, easy processability, scalability, low cost and light weight of polymeric materials, extensive research efforts have focused on the development of electromagnetic polymer-based composite materials. They constitute a type of composite material in which electromagnetic inclusions are dispersed or arranged in a polymer matrix following a prescribed manner to generate programmable electromagnetic responses. Due to their integrated electric and/or magnetic properties, their comprehensive electromagnetic attributes make them desirable for a wide range of applications in, e.g., electromagnetic shielding and microwave absorption. This Special Issue intends to address the critical subjects of electromagnetic polymer composites related to the role of inclusions, matrices, interfaces, filler dispersions and arrangements that eventually determine their ultimate electromagnetic response. We expect to provide a theoretical and practical basis for the preparation, development and application of polymer matrix composites with electromagnetic functions.

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 4.9.

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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