Special Issue

Research on Additive Manufacturing of Polymer Composites

Message from the Guest Editor

Additive manufacturing, also known as 3D printing, has significantly transformed the realm of materials science and engineering. This technique is particularly useful for polymer composites, as it allows for the creation of intricate, high-resolution structures that were previously challenging to fabricate. Commonly used materials in this field include polymers like ABS, PLA, PET, and nylon, combined with fillers, to enhance their mechanical properties. The additive manufacturing of polymer composites has found its usage in various sectors. However, there remain challenges in achieving improved control over filler particle distribution, understanding the impact of printing parameters on final part properties, and developing sophisticated design tools. While substantial strides have been made in this domain, it remains a vibrant area of research teeming with potential for further advancements. Researchers are currently focusing on overcoming existing hurdles and expanding the range of materials and applications for this innovative technology. This Special Issue is dedicated to reporting recent fundamental advances in the development and additive manufacturing of polymer composites.

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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