

Special Issue

Functionalization of Polymers for Specific Applications in 3D Printing

Message from the Guest Editors

Three-dimensional printing is a groundbreaking, innovative technology that enables the realization of original goals in terms of material development, design, and production techniques. Three-dimensional printing has a positive effect on the industry and economy, as it results in a reduction in the amount of post-production waste, increasing the efficiency of processes and thus reducing costs. Therefore, in recent years, there has been a rapid development in the use of polymeric materials in rapid prototyping technologies, particularly in 3D printing technology. Parts made from basic, unmodified polymeric materials are most often used as conceptual prototypes, as plastics do not provide the functionality, necessary mechanical strength or usability of the parts. For this reason, it is necessary to intensify research on modifying the polymer materials used to date. In particular, great progress is being made in the development of hybrid polymer composites, nanocomposites and bio-composites, which, thanks to their improved functional properties, can be successfully used to obtain functional models using additive manufacturing techniques.

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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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