

Special Issue

Advanced Polymeric Materials for 3D/4D Printing Technology

Message from the Guest Editors

It is known that 3D-printing processes combine excellent characteristics in terms of customization and waste reduction, in addition to their demonstrated potential of optimization. Furthermore, they are suitable to produce high-performance lightweight parts and/or parts with complex geometries that would require considerable extra work if produced using conventional processes. The introduction of advanced materials in the 3D-printing field involves significant investigation under different aspects, such as recommended process parameters and resulting mechanical properties. Special attention is given to bio-based and natural fiber-reinforced polymers due to their characteristics in terms of processability and performance.

This Special Issue aims to provide the latest developments of polymeric materials for 3D/4D-printing technologies. Studies involving, but not limited to, the convergence of process parameters, experimental characterization of resulting properties, numerical modeling of mechanical behavior, and mechanism-based failure analyses are welcome in this Special Issue.

Guest Editors

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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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