

Special Issue

3D/4D Printing with Polymers, Polymer Hydrogels and Adaptive Soft Materials

Message from the Guest Editors

Additive manufacturing (AM) and 3D/4D printing are a set of emerging technologies that enable fabrication of components using a simple layer-by-layer technique, which has continued to evolve through over 40 years of development. AM embodies seven process categories namely, VAT photo-polymerisation, material jetting, binder jetting, material extrusion, powder bed fusion, sheet lamination, and directed energy deposition, and is considered to be one of the most versatile and promising technologies of this century. AM provides freedom of design, easy prototyping, customization, streamlined logistics, and opportunities to manufacture existing products in a new way and to create complex new products and shapes previously impossible using traditional fabrication methods. This Special Issue is dedicated to recent advances and innovations in AM and 3D/4D printing with polymers, polymer hydrogels, and adaptive soft materials. The intention is to capture advances in both materials and methods, technical challenges, and future perspectives. Both original research articles, critical reviews and perspectives as well as communications are welcomed.

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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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