Special Issue

Advance in 3D/4D Printing of Polymeric Materials

Message from the Guest Editors

Additive manufacturing (AM) as a field of research has seen significant advancement in areas including systems engineering, software, modelling, materials chemistry, and quality certification. In terms of polymer-based AM methods specifically, the materials toolset is constantly expanding to include the printing of materials for engineering, biocompatible, and responsive formulations. These materials coupled with the geometric freedom of 3D printing enable research towards applications in personalized medicine, microfluidics, load-bearing structures, soft robotics, aerospace, and automotive industries. Furthermore, incorporating responsive materials, such as shape memory materials, can produce structures with programmable restructuring. Stimulus-induced structural change is termed 4D printing, and provides yet another facet of control for design freedom. This Special Issue will focus specifically on advancements that expand the capabilities of 3D and 4D printing in relation to polymeric materials.

Guest Editors

Dr. Johanna J. Schwartz
Lawrence Livermore National Laboratory, Livermore, CA, USA

Dr. Vasile Cojocaru
Department of Engineering Science, Faculty of Engineering, Babeș-Bolyai University, 32008 Reșița, Romania

Dr. Zilu Wang
Department of Chemistry, University of North Carolina Chapel Hill, Chapel Hill, NC 27599, USA

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Polymers
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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