



an Open Access Journal by MDPI

3D/4D Printing for Polymer Composites

Guest Editors:

Dr. Frank Gardea

Army Research Directorate, DEVCOM Army Research Laboratory South, College Station, TX 77843, USA

Dr. Ehsan Sabet

Wolfson School of Mechanical, Electrical and Manufacturing Engineering, Loughborough University, Leicestershire LE11 3TU, UK

Deadline for manuscript submissions: 15 November 2024

Message from the Guest Editors

Dear Colleagues,

Additive manufacturing, or 3D printing, has gained significant interest in recent years due to its potential for disruption. Significant advancements in 3D printing have enabled the use of stimuli-responsive polymers as printing material, allowing for printed 3D objects to change over time, also known as 4D printing. Of significant interest is the use of composite polymeric materials in 4D printing and their potential for introducing programmability and responsiveness to otherwise static printed objects.

This Special Issue is devoted to the publication of original research and comprehensive reviews on novel developments in the area of 4D printing of responsive polymer composites.

Dr. Frank Gardea Dr. Ehsan Sabet *Guest Editors*









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

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

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 highquality 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 5.0.

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

Contact Us

Polymers Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/polymers polymers@mdpi.com X@Polymers_MDPI