



3D Printing of Polymer Composite Materials

Guest Editors:

Prof. Dr. Fazeel Khan

Department of Mechanical and
Manufacturing Engineering,
Miami University, Oxford, OH,
USA

**Prof. Dr. Richard (Chunhui)
Yang**

School of Engineering, Design
and Built Environment, Western
Sydney University, Penrith, NSW
2751, Australia

Deadline for manuscript
submissions:

10 August 2024

Message from the Guest Editors

Additive manufacturing technologies for polymeric materials are continuing to evolve at a very rapid rate and can be credited for new product functionality, improved performance, reduced cost, and higher levels of sustainability. It can also be said that new additive methods have democratized manufacturing and bolstered generative design processes by enabling the table-top manufacturing of specialized components by companies of any size. A collective examination of the state of the art can, therefore, be extremely beneficial in tracking advances in additive manufacturing across a myriad of industries.

This Special Issue will assemble studies focusing on experimental and computational research pertaining to the 3D printing of polymeric materials. Relevant topics include, but are not limited to, the following:

- Material development including composites and 4D printing using shape memory polymers;
- Process optimization in filament, liquid, and powder-based techniques;
- The design of target properties;





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 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 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 (*Polymers and Plastics*)

Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
[X@Polymers_MDPI](https://twitter.com/Polymers_MDPI)