



Polymeric Materials in 3D Printing

Guest Editor:

Prof. Dr. Costas Charitidis

RNANO Lab - Research Lab of
Advanced, Composite,
Nanomaterials &
Nanotechnology, Department of
Materials Science and
Engineering, School of Chemical
Engineering, National Technical
University of Athens, Zographos,
GR-15780 Athens, Greece

Deadline for manuscript
submissions:

30 April 2025

Message from the Guest Editor

The field of additive manufacturing (AM), also known as 3D printing, has evolved significantly over time, reshaping material paradigms. The global prominence of AM highlights the significance of this Special Issue, uniting cross-disciplinary fields to navigate current needs and empower innovation. This Issue features state-of-the-art reviews and pioneering research on innovative AM materials, including composites, polymers, and conductive, magnetic, and smart materials, as well as materials for biomedical applications. Contributions concerning new AM technologies and process optimization, material design for AM, and characterization of AM parts are welcome. In this Special Issue, materials engineered for next-generation AM applications are explored, including, but not limited to, the following topics:

- Novel materials tailored for AM.
- Advancements in AM processes.
- New applications of AM.
- Specialized characterization techniques.
- Establishment of quality control protocols.





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 (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