



## High-Performance Polymer-Based 3D Printing Composites

Guest Editors:

**Dr. Apostolos Korlos**

Department of Industrial  
Engineering and Management,  
International Hellenic University,  
57400 Sindos, Greece

**Dr. Konstantinos Tsongas**

Department of Industrial  
Engineering and Management,  
International Hellenic University,  
57400 Sindos, Greece

Deadline for manuscript  
submissions:

**closed (25 April 2023)**

### Message from the Guest Editors

Additive manufacturing (AM), popularly known as 3D printing, is an innovative technology providing improvements in rapid prototyping, new possibilities in functional design, and distributed and point-of-need manufacturing. It is being extensively used for applications in many fields including aerospace, automotive, medical, etc. The development of new AM-compatible materials is critical to meet the need for high-performance functional parts fabricated with AM. With the quick development of state-of-the-art AM technologies, a wide range of materials such as polymers and nanocomposite polymers are being studied for the fabrication of functional parts.

In this Special Issue, we are going to deal with research cases based on various functional materials and composite materials, such as micro- or nanomaterial-reinforced matrix composites for diverse industrial applications.





# *polymers*



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](http://www.mdpi.com)

[mdpi.com/journal/polymers](http://mdpi.com/journal/polymers)  
[polymers@mdpi.com](mailto:polymers@mdpi.com)  
[X@Polymers\\_MDPI](https://twitter.com/Polymers_MDPI)