Special Issue

Additive Manufacturing for Plastics: Latest Advances and Future Challenges

Message from the Guest Editor

This Special Issue seeks innovative research on additive manufacturing processes with plastic materials, from material formulation and characterization to process parameters, innovative equipment development, final part quality, and advanced AM design tools. Research on the use of AI in different elements of the AM value chain is also welcome, and the applications in various sectors (aerospace, medical, automotive, electronics, etc.) may be discussed. The main AM technologies that will be considered for the processing of plastics are Material Extrusion (MEX), Powder Bed Fusion (PBF), VAT photopolymerization (VPP), and Material Jetting (MJT). For this Special Issue authors are encouraged to use the additive manufacturing standard vocabulary of ISO/ASTM 52900.

Guest Editor

Prof. Dr. Mario Monzón Verona

Mechanical Engineering Department, University of Las Palmas de Gran Canaria, 35017 Las Palmas de Gran Canaria, Spain

Deadline for manuscript submissions

31 March 2026



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/253681

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

mdpi.com/journal/polymers





Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



About the Journal

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 4.9.

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

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)

