

Special Issue

Polymer Materials and Design Processes for Additively Manufactured Products

Message from the Guest Editors

One of the great promises of additive manufacturing was innovations in product design by exploiting its geometry agnosticism and the reduction of constraints previously imposed by manufacturing capabilities. Once employed purely for prototyping, additive manufacturing is now increasingly used in the production of end-use products, either for spare parts, small series production, or tooling. However, there are still challenges to the wider industrialisation of additive manufacturing, such as a lack of a broader selection of printable materials, limited material performance but also a lack of design knowledge, in particular, the familiarity with the technology and the design principles that are best suited to AM's unique capabilities. Manufacturing scaling also appears to be one of the major challenges. Since manufacturing innovation starts with design innovation, this Special Issue focuses on advances, both in polymer material/process design and product design, that impact and improve additively manufactured end-use products and the industrialisation of additive manufacturing.

Guest Editors

Dr. Mladenko Kajtaz

Centre for Additive Manufacturing, School of Engineering, RMIT University, GPO Box 2476, Melbourne, VIC 3001, Australia

Prof. Dr. Milan Brandt

Centre for Additive Manufacturing, School of Engineering, RMIT University, GPO Box 2476, Melbourne, VIC 3001, Australia

Deadline for manuscript submissions

closed (15 October 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/149789

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

[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)



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 4.7.

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)