

Special Issue

Resins for Additive Manufacturing, 2nd Edition

Message from the Guest Editors

The use of liquid resins for additive manufacturing (AM) has increased in recent decades. AM can be used with a variety of resin chemistries, ranging from acrylates to epoxies, cyanates, and polyurethanes. Three-dimensionally printed resins can be applied in a wide range of fields, including dental, medical, automotive, optoelectronic, microfluidic, aerospace, and robotic fields. Various other characteristics, which sometimes differ from AM productivity, must also be addressed, including thermal resistance, dimensional stability under load, flame retardancy, sterilizability, chemical and abrasion resistance, high precision, flexibility, shape retention, electrostatic discharge properties, etc.

This Special Issue of *Polymers* aims to publish both cutting-edge original research studies and professional reviews on the topic of resins for additive manufacturing.

The topical subjects to be addressed include, but are not limited to, the following:

- New blends for LCD/DLP/SLA manufacturing processes;
- 3D-printed resins for tooling and dental and medical applications;
- Recycling research and study of AM resin chemistry;
- Life cycle analysis.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 11.0
Indexed in PubMed



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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

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