

## Special Issue

# Advances in Polymers: From Fabrication Technologies to Applications in Biotechnology and Biomedicine

### Message from the Guest Editors

This Special Issue invites contributions that highlight breakthroughs in polymer synthesis (e.g., bio-inspired and sustainable polymers), advanced processing techniques like electrospinning and 3D printing, and functionalization strategies to meet the growing demands of the biomedical and biotechnological fields.

### Keywords

polymer-based high-performance materials  
polymer-based composites  
bio-inspired and sustainable polymers  
structure-property relationships  
surface physics and chemistry  
materials processing and design  
electrospinning and 3D printing techniques  
membranes  
antimicrobial coatings  
wearable sensors  
environmental applications

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### Deadline for manuscript submissions

30 June 2026



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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