

## Special Issue

# Polymer-Based Materials for Drug Delivery and Biomedical Applications

### Message from the Guest Editors

In recent decades, the development of drug delivery systems based on natural and synthetic polymers is rapidly emerging in different biomedical fields. We are pleased to invite you to submit original papers and reviews in the research areas may include (but are not limited to) the following: the fabrication and functionalization of polymer-based materials and systems; characterization of chemical and physical properties, biodegradability, bioavailability, controlled drug release; polymeric carriers for drug delivery and targeted drug delivery; in vitro and in vivo assays, medical and pharmaceutical application, regenerative medicine, biomedicine, antimicrobial, theranostic and cancer application and multifunctional properties.

#### Keywords

- natural and synthetic polymers
- polymer-based materials
- polymer drug carriers
- nanotechnology and nanofabrication
- drug delivery
- controlled drug release
- anticancer therapy
- antimicrobial polymer materials
- regenerative medicine
- multifunctional properties

### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2025)



## Polymers

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## 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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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