

## Special Issue

# Bioactive Polymer Materials for Biomedicine and Biotechnology Applications

### Message from the Guest Editors

Bioactive polymeric materials are responsible for significant advancements in biomedicine and biotechnology and offer innovative solutions for regenerative medicine, controlled drug release, and wound healing. Designed to interact dynamically with biological systems, bioactive polymers enable improved therapeutic efficacy, biocompatibility, and clinical outcomes.

This Special Issue will highlight cutting-edge research bridging polymer science and biomedical engineering. Topics of interest include biodegradable and stimuli-responsive polymers with targeted therapeutic action, polymer-based delivery systems that allow localized and sustained release, and hydrogel-based materials with controlled and responsive release abilities. Advances in fabrication techniques will continue to expand the potential of bioactive polymer systems in medical and biotechnology applications.

We invite researchers to contribute original research articles, reviews, and short communications exploring innovative polymer-based solutions that address current challenges in medical and biotechnological applications.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## 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 4.7.

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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