

## Special Issue

# Hydrogel Materials for Drug Delivery and Tissue Engineering

### Message from the Guest Editors

Research into hydrogels and the possibility of using them for pharmaceutical and biomedical applications is one of science's most intensively developing areas. Modern hydrogel materials are structured to resemble the natural environment of cells and tissues and they are thus used in the design of effective drug carriers, surgical fillers, and cell culture media. This Special Issue will be devoted to the analysis of the physicochemical, biopharmaceutical, and mechanical properties of hydrogels with potential applications in drug delivery, tissue engineering, and regenerative medicine. Current research directions in the areas of pharmaceutical technology, polymer materials engineering, and biomedical engineering will be discussed. Our aim is to collect original papers, review papers on the development of hydrogels and hydrogel systems that can carry an active substance or can replace damaged tissues or organs. Basic, pre-clinical, and clinical research on the development of new or the development of existing hydrogel-based drugs and therapies is welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 July 2025)



## Polymers

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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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