

## Special Issue

# Functional Polymers for Drug Delivery and Their Effects

### Message from the Guest Editor

The development of functional polymers has revolutionized the field of drug delivery by offering versatile platforms with tunable physicochemical properties, biocompatibility, and targeted release profiles. This Special Issue of *Polymers* invites cutting-edge research and comprehensive reviews focusing on the design, synthesis, and application of functional polymers tailored for advanced drug delivery systems. Topics of interest include, but are not limited to, stimuli-responsive polymers, biodegradable and bioinspired materials, polymer–drug conjugates, nanogels, micelles, dendrimers, and polymer-based hybrid systems. Particular emphasis will be placed on innovations that address critical challenges such as site-specific targeting, controlled release, overcoming biological barriers, and enhancing therapeutic efficacy while minimizing side effects. This Special Issue aims to serve as a valuable resource for researchers and industry professionals working at the intersection of polymer science, pharmaceutical technology, and biomedical engineering.

### Guest Editor

Prof. Dr. Merve Gudul Bacanlı

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### Deadline for manuscript submissions

10 January 2026



## Polymers

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.7  
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 4.7.

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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