

## Special Issue

# Biopolymers for Medical Applications: From Drug Delivery to Tissue Engineering

### Message from the Guest Editors

The use of biopolymers in medical applications is currently proliferating due to their advantageous, unique, and tuneable physicochemical and biological properties. Novel natural biopolymer sources, alternative and innovative semisynthetic approaches using green technologies, and sustainable extraction methods are constantly being explored to make their use more profitable from application performance, environmental, and economic points of view. Different design strategies for biopolymers allow the creation of materials in virtually any shape and morphology with precise nano-, micro-, and macroscopic control. The availability of biopolymers with opposite properties and the possibility of obtaining multi-material structures enable the generation of products adapted to different biomedical demands, ranging from drug delivery to tissue engineering, for personalized medicine. The main aim of this Special Issue is to compile original and cutting-edge research as well as reviews that highlight the recent advances in biopolymers for drug delivery and tissue engineering.

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### Guest Editors

Prof. Dr. Carlos A. García-González

Dr. Ricardo Starbird

Dr. Clara López-Iglesias

Dr. Ana Iglesias-Mejuto

Prof. Dr. Irina Smirnova

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### Deadline for manuscript submissions

closed (30 June 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 4.9.

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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