## Special Issue

## Stimuli-Responsive Polymer-Based Biomaterials and Metamaterials in Tissue Engineering

## Message from the Guest Editors

To better understand the workings of human tissues and cells, we need more realistic in vitro models. The development of these models can focus on biology or biomaterials. In the field of biomaterials, it is crucial to develop polymer-based smart materials or stimuliresponsive materials (e.g., magnetic, electrical, or acoustic) whose properties can be remotely controlled. These materials can enhance biomimicry with natural tissues and cells. We cordially invite you to submit original research manuscripts, concise communications, and insightful review articles to this outstanding special issue. Our goal is to collect outstanding research results from leading experts in the field, which will help us better understand and exploit stimuli-responsive biomaterials for biomedical applications.

#### **Guest Editors**

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### Deadline for manuscript submissions

31 December 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.

#### Editor-in-Chief

#### Prof. Dr. Alexander Böker

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