

Special Issue

Stimuli-Responsive Polymer Materials for Biomedical Applications

Message from the Guest Editors

Stimuli-responsive polymers, or so-called “smart polymers”, such as photoactive polymers, naturally active polymers, biologically endogenous macromolecules, and biomimetic materials, etc., have been widely explored for biomedical applications, especially for bio-sensing and disease diagnosis, owing to their activatable behavior toward biologically relevant stimuli. The aim of this Special Issue is to introduce the cutting-edge research progress on stimuli-responsive polymer materials and their biomedical applications, which involves the advanced material chemistry, efficient analytical methods, innovative imaging, and therapeutic techniques, and the development of high-efficiency biosensors for preclinical and clinical theranostics.

The desired topics of this Special Issue include but are not limited to chemistry, materials, biomedicine, and devices, such as: (i) design and fabrication of activatable polymers; (ii) advanced diagnostic and therapeutic approaches toward life-threatening diseases; (iii) advanced bio-sensing systems for disease screening; and (iv) clinical translation technologies for such “smart polymers”.

Guest Editors

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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