

Special Issue

Stimuli-Responsive Polymers

Message from the Guest Editor

Polymer materials that are able to undergo macro-, micro- or nano-phase size and shape changes under external stimuli are attracting increasing interest in advanced research and technology. The aim of this Special Issue is to discuss recent progress in this dynamically expanding area. We are inviting manuscripts, which report novel developments on stimuli-responsive polymers (natural, synthetic and their hybrids), reacting to specific changes in their environment (polarity, pH, temperature, magnetic fields) and/or signals of artificial or natural (biological) origin. A special emphasis will be placed on experimental and theoretical investigations, tracing potential applications of those responsive polymers in areas, including, but not limited to, smart materials, sustained drug delivery, “green” chemistry (synthesis and catalysis), sensing, synthetic biopolymer interactions, antifouling surfaces and coatings, and theranostics, to name a few.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2023)



Polymers

an Open Access Journal
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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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