Special Issue

Polymers toward Mechanobiology

Message from the Guest Editor

Mounting evidence has recognized that mechanical cues linked to extracellular milieus represent potent modulators in directing cell behavior, tissue development or eliciting onset of pathologies. Enormous efforts are currently being undertaken to assemble 2D and 3D networks exhibiting desired mechanics as a model to study cell response. Hence, bottom–up approaches encompassing the selection (and eventual chemical modification) of innovative polymers up to the assembly thereof are sought to unveil unprecedented materials. The aim of this Special Issue of *Polymers* is to bring together researchers at the edge of polymer chemistry, materials assembly, and related applications in the mechanobiology field. A cadre of themes of large interest are welcomed, including—but not limited to—polymer chemical modifications to modulate resulting material mechanics and/or direct cell fate decisions, stimuli-responsive polymers, substrate-to-cell interplay (mechanotransmission/transduction), and recent developments in smart polymers in relation to mechanobiology, to mention just a few examples.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2021)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/49261

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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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