Special Issue

Polymer Dynamics: From Single Chains to Networks and Gels

Message from the Guest Editors

This Special Issue concentrates, from a statistical physics perspective, on the dynamical properties of polymers going from single linear or circular chains to more complex systems such as links, brushes, gels, and networks. A better understanding of these non-equilibrium and dynamical aspects would pave the way to improved control of relevant natural molecules or human-made materials, with a significant impact on fundamental science as well as high-tech applications. The aim of this Special Issue is to collect original research based on experiments, simulations, and theories. Review papers are also welcome in order to understand the state of the art as well as to highlight the latest polymer-dynamics-related applications, algorithms, and fundamental results. Topics may include micro-and macro-rheology, self-assembly, relaxation, translocation, buckling, and bond breaking, just to mention a few. We look forward to receiving your contribution to a further progress in this field.

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

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