

Special Issue

Molecular Hydrodynamics, Optics and Electro-Optics of Biological and Synthetic Polymers and Their Complexes in Solutions

Message from the Guest Editor

This Special Issue focuses on the current state-of-the-art of physico-chemistry of polymers and their complexes in solution. The development and design of new polymer materials requires a detailed and comprehensive understanding of the fundamental relationships between the properties of macromolecules and polymer materials. The scope of the Special Issue therefore encompasses the characterization of different types of bio- and synthetic polymers as well as their complexes with other polymers and with low molecular weight agents, as well as with various nanoparticles in solutions. Articles on the study of polymers with unusual designs, such as hyper-branched and regularly branched (dendritic) systems, as well as polymer systems that can be used in drug delivery, including various polymer micelles, etc. are especially welcome. The characterization and properties of polyelectrolyte systems are also the focus of this Issue. In addition, we welcome articles proposing new methods or approaches in the study of macromolecular systems in solutions, both experimental and theoretical.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2022)



Polymers

an Open Access Journal
by MDPI

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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