

Special Issue

Structure Formation and Dynamics of Semiflexible Macromolecules

Message from the Guest Editor

Semiflexible polymers are ubiquitous as constituents of biological matter and also find widespread use as building blocks of advanced materials. Yet, their static and dynamic behaviors are only partially understood and pose challenging questions in the context of polymer physics. Semiflexible polymers are characterized by several crossover length scales, such as the persistence and contour length, which introduce a large number of disparate time and length scales that are relevant to describing their structure formation and dynamics. In the past decade, progress in experimental and computational techniques has led to a renaissance of this research field, resulting in the verification of previous theories and the discovery of novel physical properties.

This Special Issue of *Polymers* is intended to cover these new advances on the structure formation and dynamics of semiflexible macromolecules from experiments, simulations, and theory. Various synthetic and natural macromolecules are of interest, which may be linear, cyclic, star-like or of any other topology.

Guest Editor

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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 4.9.

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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