

## Special Issue

# Computational Modeling and Simulations of Polymers

### Message from the Guest Editors

Progress in modelling and simulation is crucial for an improved understanding of polymers. The variety and complexity of polymer structures and systems can only be fully understood with the help of numerical simulations. Nowadays, there are a growing number of problems requiring simulation work. Although lattice, bead-spring or freely jointed bead models are still being used to investigate general features of different types of polymeric systems, more realistic representations are needed in many other instances to understand the properties of specific polymers as well as to explore their potential applications.

This Special Issue offers a broad spectrum of polymer simulations, considering different models and addressing a variety of current interests in terms of systems and applications. Namely, simulation on polymers as drug carriers, compatibilization of polymer mixtures, behaviour of polymer nanostructures under different solvent conditions, physical properties of polymers under stress or physical constraints, formation of the glass state and crystallization and the study of complex systems composed of polymers and nano-objects are included on the list of considered topics.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2024)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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