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Molecular Dynamics Simulations of Polymers

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Message from the Guest Editor

Polymers are macromolecules with a large variety of chemical structures and morphologies which determine their unique and various properties. They are widely used in many different areas, from medicine to the aerospace industry. Understanding polymers' interactions and morphology on the atomistic scale is of paramount importance to interpret and improve their properties. In recent years, molecular dynamics simulations have become a standard tool alongside experiments to understand the morphology of polymers on the atomistic scale. Often, molecular dynamics brings valuable information to interpret experimental data.

This Special Issue aims to collect scientific articles and reviews from various topics related to molecular dynamics simulations of polymers, such as morphology, mechanical properties, phase behavior, and optical and electrical properties, to name a few. Both atomistic and coarse-grained molecular dynamics contributions are welcome. In addition, synthetic as well as natural polymer-related research will be considered. We hope that this Special Issue can further help to promote the use of molecular dynamics simulations in contemporary polymer research.

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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 5.0.

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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