Special Issue

Molecular Dynamics Simulation of Polymeric Materials

Message from the Guest Editors

In this Special Issue, we will explore polymeric materials' structure, electrical properties, environmental compatibility, biotechnological and pharmaceutical uses, and potential as organic storage media using molecular dynamics. These molecular dynamics simulations of polymeric materials enable the prediction of various properties. It gives us the opportunity not only to understand the nanoscale properties of different types of polymers, but also to apply these different high-performance features in our daily lives. In the case of polymers, it is possible to coordinate them with different surfaces to improve the performance of solar cells and storage devices, such as computers and power generation. Other important aspects of molecular dynamics simulations in polymers include the self-assembly and oligomerization of chiral monomers. From there, we move to the fundamental aspect of polymer synthesis from the perspective of complex systems. In this volume, we will discuss polymer characterization and performance aspects in molecular computer simulations.

Guest Editors

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Deadline for manuscript submissions

closed (25 September 2024)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/163941

Polymers
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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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