# Special Issue

# Advancing Polymer Science: Molecular Dynamics Simulations and Sustainable Recycling Innovations

## Message from the Guest Editors

The sustainable recycling of polymers has become urgent. Molecular dynamics (MD) simulations are indispensable in predicting polymer behavior and can facilitate the design of environmentally friendly materials and optimize recycling processes. MD simulations have been utilized in addressing several contemporary issues in polymer sciences and have assisted in justifying the hypothesis of experimentation. The articles included in this issue will highlight the crucial role of molecular dynamics simulations in advancing sustainable polymer recycling practices. This Special Issue focuses on the intersection of polymer science, molecular dynamics simulations, and sustainable recycling methods. These reviews emphasize the potential of MD simulations to drive innovation and propel the polymer industry toward a more sustainable future.

## Guest Editors

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## Deadline for manuscript submissions

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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

Prof. Dr. Alexander Böker
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