



Advancing Polymer Science: Molecular Dynamics Simulations and Sustainable Recycling Innovations

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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.





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