Special Issue

Process and Valorization of Polymeric Waste and Biomass

Message from the Guest Editors

Polymeric waste represents a significant environmental challenge due to its persistence and large volume, but its recycling and valorization processes offer sustainable solutions for efficient resource utilization and pollution reduction. This Special Issue focuses on advanced technologies and methods for processing polymeric waste, including the following: mechanical recycling, processing waste into new products through grinding, melting, and molding; chemical recycling, breaking down polymers into basic monomers or other useful chemicals; and biological recycling, using microorganisms or enzymes to degrade polymeric materials. In addition to its technological aspects, polymeric waste valorization encompasses economic and social dimensions. Through innovation and an interdisciplinary approach, significant advancements can be achieved in reducing polymeric waste and improving sustainability. This Special Issue provides a platform for researchers and industry actors to showcase the latest knowledge, experiences, and solutions in the field of polymeric waste recycling and valorization, contributing to global efforts to preserve the environment.

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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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