

Special Issue

Challenge and Prospect of Plastics and Bioplastics for Sustainable Circular Economy

Message from the Guest Editors

The use of polymeric and petroleum-based materials is essential to socioeconomic growth and development. However, their contribution to economic growth and their unfavorable environmental impact, producing greenhouse gas emissions and persisting in marine and terrestrial environments, warrant attention. Therefore, this Special Issue presents research findings and innovative solutions that address the challenges associated with the utilization of different types of plastics and polymeric materials. We also welcome the submission of research that addresses waste management, technological innovation, life cycle assessment, carbon footprint, and environmental associated with the use of degradable and non-degradable plastics in relation to the circular economy. Furthermore, this Special Issue aims to explore the potential use of plastics in energy production and other valuable products.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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