

Special Issue

Sustainable Future Waste Management and Recycling Strategies

Message from the Guest Editors

Waste management and recycling are strategically important parts of a sustainable society. They have links both to resource efficiency and to ecological and environmental factors such as air and water pollution, and not least to increasing CO₂ levels in the atmosphere and global warming. The issue focuses on research on future smart waste management techniques. Thus, the scope is to present and evaluate new results concerning environmental, technical, and social aspects of different options for a low waste and eco-cycling society. This includes issues from minimizing residual waste through material recycling at source, and smart collection systems to minimizing transportation and fossil CO₂ emissions. It also includes developing and refining techniques for extraction of biogas and nutrients from residual solid wastes using different biological treatment options, including controlled bioreactor cell landfills as well as reactor fermentation. Some of the highlights include the effects on climate change and CO₂ balances. The issue also focuses on new strategies for the collection of waste and recycled products to minimize the total transportation work and, thus, exhaust emissions.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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