Special Issue

Advancements in Solid Waste Valorization for Clean Energy and Environmental Protection

Message from the Guest Editors

This special issue aims to explore innovative strategies and technologies for converting solid waste into valuable resources, particularly in clean energy production and environmental sustainability. It seeks to address the growing global challenge of managing solid waste while mitigating its adverse environmental impacts, such as pollution and greenhouse gas emissions. It focuses on cutting-edge research, novel approaches, and scalable solutions that contribute to the development of circular economies by transforming waste materials into energy or other valuable products.
Key Areas of Focus:
-Emerging technologies for waste-to-energy (WTE) conversion.
-Innovative waste management practices that enable the effective utilization of waste in the production of energy and other sustainable products.
-Life cycle analysis (LCA) of waste valorization processes to evaluate environmental and economic benefits.
-Circular economy principles are applied to solid waste management, ensuring that waste is seen as a resource rather than a burden.
-Integration of waste valorization technologies into existing infrastructures for urban and industrial sustainability

Guest Editors

Dr. Riaz Ahmad

Dr. Muhammad Sultan

Dr. Waseem Hayat

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/sustainability

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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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