

## 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

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### Guest Editors

Dr. Riaz Ahmad

Dr. Muhammad Sultan

Dr. Waseem Hayat

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### Deadline for manuscript submissions

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Sustainability

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*Sustainability*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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### 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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