## **Special Issue**

# Harmless Disposal and Valorisation of Solid Waste

## Message from the Guest Editors

As urbanization accelerates, solid waste management poses a challenge to achieving sustainable development goals. Harmless disposal and resource utilization are essential strategies for minimizing environmental impact of waste and promoting circular economy in green cities. This Issue aims to explore innovative technologies for green and efficient treatment and recovery of valuable resources from solid waste to improve waste management efficiency. Topics of interest include waste-to-energy conversion technologies; data-driven approaches for monitoring and optimizing waste management processes; advanced sustainable disposal methods: resource recovery strategies for waste (such as sludge); effective removal of pollutants (including typical contaminants and emerging pollutants like antibiotic resistance genes and perfluorinated compounds); waste valorization: data processing methods for monitoring and characterizing waste treatment; research progress on current waste treatment methods (including optimization strategies and development trends); methods to improve waste treatment efficiency... Look forward to your submissions.

### **Guest Editors**

Dr. Hang Yu

Dr. Jingyang Luo

Prof. Dr. Zhiqiang Zhao

## Deadline for manuscript submissions

31 March 2026



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### Editor-in-Chief

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