# Special Issue

# Enhancing Performance, Sustainability and Circularity of Waste Management Processes

## Message from the Guest Editors

While the terms “sustainability” and “circularity” are often overused, they remain critical drivers for revolutionizing waste management and combating the urgent global challenge of pollution. This Special Issue invites cutting-edge research that bridges sustainability, circularity, and pollution control across wastewater, water, flue gas, and solid waste systems. Objective: This Special Issue will curate high-impact studies that accelerate the transition to sustainable, circular, and pollution-conscious waste technologies. Topics of Interest: Activated sludge processes for wastewater/sewage treatment;
Anaerobic digestion for biogas production and soil nutrient recovery;
Photoremediation for wastewater treatment and water sanitation;
Catalytic/photocatalytic processes for pollutant conversion and waste valorization;
Physicochemical, electrochemical, and mechanical processes for water purification, biomass recovery, and resource extraction;
Biological/enzymatic processes for upcycling waste into feedstocks and high-value products;
Remote management, energy/resource efficiency optimization, carbon sequestration, and GHG mitigation.

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## Deadline for manuscript submissions

25 November 2025

**Sustainability**

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/235476

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## Message from the Editor-in-Chief

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
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