

## Special Issue

# Sustainable Waste Management and Recovery

### Message from the Guest Editors

This Special Issue proposes to address six crucial research areas for innovation and sustainability in waste management.

Firstly, it explores the potential of innovative biomasses derived from industrial and agricultural waste as new sources for bioenergy generation, along with novel bioprocesses. It then focuses on the management of agricultural and industrial waste.

The third aspect addressed is the environmental impact of managing waste from various productive chains, agricultural and industrial alike, examining greenhouse gas emissions and identifying limitations regarding the exploitation of natural and fossil resources. This has implications for the presence of emerging pollutants and micropollutants (fourth point), released by agricultural and industrial practices into diverse environments—aquatic, terrestrial, and aerial—raising environmental and public health concerns.

The fifth aspect delves into the circular economy and bioeconomy for natural resources and their management. Lastly, attention is drawn to the health aspect of One Health in production processes, investigating physicochemical characteristics, antimicrobial resistance, and biofilm formation.

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### Guest Editors

Dr. Marcelo Henrique Otênio

Dr. Juliana Alves Resende

Dr. Alberto Delgado Dos Reis

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### Deadline for manuscript submissions

9 March 2026



## Sustainability

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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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### Editor-in-Chief

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