



Sustainability

an Open Access Journal by MDPI

CiteScore: 7.7

Impact Factor: 3.3

Special Issue Reprint

Municipal Solid Waste Management (2nd Edition)

Edited by: Carlos Afonso Teixeira

This Reprint compiles the contributions of the second edition of the Special Issue ‘Municipal Solid Waste Management: Governance, Digitalization, and Technological Innovation for Sustainable Transitions’, published in *Sustainability*. The volume addresses current challenges in municipal solid waste management (MSWM) through an integrated perspective that links governance, institutional capacity, digital decision-support systems, and waste treatment technologies within circular economy and risk governance frameworks. The thirteen peer-reviewed contributions examine governance and behavioural dynamics, data-driven planning and intelligent operational systems, and treatment technologies assessed in terms of efficiency, environmental risk, and public health implications. Rather than promoting isolated technical solutions, the Reprint emphasizes the conditions under which MSWM interventions succeed, stagnate, or generate unintended effects across different institutional settings. Covering a wide range of geographical contexts, including high-capacity regions, emerging economies, and governance-constrained municipalities, this collection highlights the importance of context-sensitive strategies and informed policy design. The Reprint is intended for researchers, practitioners, and policy-makers seeking a system-level understanding of sustainable waste management transitions.



<https://www.mdpi.com/books/reprint/12698>