

# Review on Disposal and Management of Biodegradable Waste at Domestic Level and its Trend for Municipal Cities in India †

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† Presented at International e-Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective (16-18 June 2021), Surat, Gujarat, India

Received: 5.06.2021; Revised: 10.06.2021; Accepted: 12.06.2021; Published: 15.06.2021

**Abstract:** With rapid zation and lifestyle change, municipal solid waste generation has also increased enormously. Biodegradable waste, a major part of municipal solid waste generation in India, is rising rapidly and causing major challenges in its collection, segregation, transportation, and treatment. The present study focuses on the disposal and management of biodegradable waste at the domestic level by discussing in detail various options for its collection, segregation, transportation, and treatment. Proper segregation of waste at the source level and adopting a proper aerobic/anaerobic composter will enormously reduce the burden on subsequent waste management systems. In this present study, the feasibility and adaptability of various technologies (composting, anaerobic digestion, incineration, and sterilization) are discussed at the domestic level along with the present trend of waste generation, their challenges, initiatives, and future scope for municipal cities in India.

**Keywords:** kitchen waste; composting; anaerobic digestion; composter.

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## Funding

This research received no external funding.

## Acknowledgments

The authors would like to express their earnest appreciation to the Department of Civil Engineering, S V National Institute of Technology, Surat, India, for its infrastructural facilities towards the uninterrupted accomplishment of the research work.

## Conflicts of Interest

The authors declare no conflict of interest.