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Dry Waste Wet Waste Segregation

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Abstract: Proper waste management is a critical component of sustainable development, with waste segregation at the source playing a vital role in enhancing the efficiency of recycling and disposal processes. This study focuses on the segregation of waste into two primary categories: dry waste and wet waste. Dry waste includes non-biodegradable materials such as plastics, paper, metals, and glass, while wet waste comprises biodegradable materials like food scraps, vegetable peels, and garden waste.

The objective of this project is to promote environmental sustainability by reducing the amount of waste sent to landfills and improving the efficiency of recycling systems. Effective segregation helps in composting organic waste, reducing greenhouse gas emissions, and conserving natural resources through the recycling of dry materials.

This abstract outlines the importance of public awareness, infrastructure support, and policy implementation in encouraging waste segregation. Through education and the use of simple segregation systems in households, schools, and workplaces, a significant impact can be made on overall waste management. The study also explores the challenges faced in the implementation of segregation practices and suggests strategies for overcoming them through community participation and technological innovation..

Keywords: waste management



