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Generation of Electricity by Liquid Waste

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Abstract: In recent years, the world has witnessed an alarming increase in environmental concerns, including the depletion of fossil fuel reserves, escalating greenhouse gas emissions, and the accumulation of organic waste. In light of these challenges, there is a growing need to explore alternative and sustainable energy sources. One such promising avenue is the utilization of vegetable waste to generate electricity. This innovative approach not only addresses the issue of waste management but also offers a renewable and eco-friendly solution to meet our energy demands. This project aims to demonstrate the feasibility of converting vegetable waste into electricity through anaerobic digestion, microbial fuel cells, and thermal conversion. The electricity generated is stored in batteries, specifically for mobile phone charging applications

Keywords: Vegetable Waste, Electricity Generation, Anaerobic Digestion, Battery Storage, Renewable Energy



