

The Impact of Glucose on the Decomposition of Polymers in Compost Made from Food Waste

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Abstract

present in food waste, can significantly influence the decomposition process of polymers in compost. This abstract discusses the role of glucose as a carbon source, its influence on microbial activity, and its interactions with biodegradable polymers. The implications for waste management and sustainability are discussed, along with strategies for enhancing the decomposition process. Further research is needed to explore this area comprehensively and develop effective solutions for a circular economy.

Keywords: compost, glucose, polymers, decomposition, food waste, sustainability, circular economy, waste management, microbial activity, biodegradable polymers.

Introduction

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