Sustainable Food Production: Challenges and Strategies for a Greener Future

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Abstract

Food production is a fundamental aspect of human existence, and it plays a crucial role in sustaining life on our planet. However, with a rapidly growing global population, increasing demand for food, and environmental challenges such as climate change, traditional methods of food production are becoming unsustainable. This Short Communication explores the current state of food production, highlights its environmental impact, and proposes innovative strategies to achieve a greener and more sustainable future.

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Introduction

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Environmental impact of conventional food production

a) **Deforestation:**

b) **Water usage:**

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b) **Vertical farming:**

c) **Smart farming:**