

Impact of vertical farming and its indoor air quality on food production. (Solution for food security).



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The world is currently facing a number of critical challenges related to food security and environmental sustainability. The global population is growing rapidly, and urbanization is increasing, leading to greater pressure on traditional agricultural systems and concerns about food supply chain resilience. Additionally, climate change and limited arable land availability further threaten food production. Vertical farming has emerged as an innovative solution to address these challenges by enabling year-round crop production in controlled indoor environments. This research proposal aims to investigate the role of vertical farming in enhancing food security while maintaining high indoor air quality.

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