

عنوان مقاله:

The Role of Climate Change and Food Security in Balancing Sustainable Production Strategies with Safe Food Systems, A Case Study of Iran

محل انتشار:

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تعداد صفحات اصل مقاله: 17

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خلاصه مقاله:

This study explores the intricate relationship between climate change, food security, and sustainable production strategies in Iran, with a focus on maintaining safe food systems. As a country facing significant environmental challenges, including water scarcity and land degradation, Iran serves as a critical case study for examining these interconnected issues. The research investigates how climate change impacts agricultural productivity and food security in Iran, and evaluates current and potential sustainable production methods that can enhance resilience while ensuring food safety. Through a comprehensive analysis of climate data, agricultural practices, and food safety measures, this study identifies key challenges and opportunities for balancing sustainability with food security in the Iranian context. The findings suggest that adaptive strategies, such as improved water management, drought-resistant crop varieties, and innovative farming techniques, can play a crucial role in mitigating the impacts of climate change on food production. However, these strategies must be carefully implemented to maintain food safety standards. The study also examines the policy implications of these findings, proposing a framework for integrating climate change adaptation, sustainable agriculture, and food safety considerations into national food security planning. By providing insights into the complex interplay of these factors, this research contributes to the broader global discourse on sustainable food systems in the face of climate change, offering valuable lessons for other countries facing similar challenges.

کلمات کلیدی:

Climate change adaptation, Food security, Sustainable agriculture, Food safety, Iran

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<https://civilica.com/doc/2046771>

