

Climate Change and Agriculture: Its Impact and Mitigation Potential



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CLIMATE CHANGE AND AGRICULTURE- ITS IMPACT AND MITIGATION POTENTIAL

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PREFACE

"Climate Change and Agriculture: Its Impact and Mitigation Potential" sounds like a comprehensive exploration of the relationship between climate change and agriculture. Such a book would likely delve into various aspects, including the effects of changing climate patterns on crop yields, water availability, soil health, and the livelihoods of farmers. Mitigation strategies might involve practices such as crop diversification, soil conservation techniques, water management strategies, and the adoption of more resilient crop varieties. Additionally, the book might discuss policy frameworks aimed at addressing climate change at both local and global levels, as well as the role of technology and innovation in mitigating its impacts on agriculture.

As the world faces the daunting challenges posed by climate change, the intersection of this global phenomenon with agriculture stands as a critical focal point for understanding and action. In this book, we delve into the intricate relationship between climate change and agriculture, exploring its profound impact on food production systems, livelihoods, and the environment. Moreover, we examine the promising avenues for mitigating these impacts through innovative agricultural practices and policies. Climate change poses unprecedented challenges to agricultural systems worldwide. From shifting weather patterns and extreme events to rising temperatures and changing precipitation regimes, the manifestations of climate change are manifold and far-reaching. These disruptions not only threaten food security and agricultural productivity but also exacerbate environmental degradation and socio-economic inequalities. Editors are also thankful to Dr. Rakesh Verma, Deputy Registrar, Tanta University Sriganganagar, Rajasthan for their moral support and guidance in the compilation of this edited book.

Overall, a book on this topic would likely serve as a valuable resource for policymakers, researchers, agricultural practitioners, and anyone interested in understanding the complex interplay between climate change and agriculture and finding solutions to mitigate its effects.

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