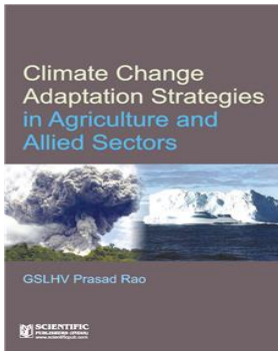


Climate Change Adaptation Strategies in Agriculture and Allied Sectors



GSLHV Prasad Rao

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Blurb

Weather related disasters like occurrence of floods, droughts, heat wave and cold waves is not uncommon across the Country. It is true world over. Increase in sea surface temperature and sea level has potential impact on monsoon uncertainties, water resources, shift in coastal population and marine products. Vulnerability to extreme weather events is higher than vulnerability to changing average climatic conditions. The society linked sectors like agriculture, biodiversity, fisheries, forestry, water resources, human and animal health and infrastructure are the worst sufferers in the event of weather uncertainties. As a result it is realized that food security is under threat due to global warming. The book deals with climate change impacts and adaptation strategies in agriculture, horticulture, plantation crops in the humid tropics, livestock, fisheries, forestry, water resources and biodiversity. The invited and research papers, included in the book, provide clues for developing adaptation and mitigation strategies in coping up with the expected climate change in future. Although global foodgrains production is likely to increase in tune with rising population and demand in ensuing decades, it may suffer unless new approaches to adapt crop plants to climate change are adopted. Therefore, Research and education policy in climate change adaptation and mitigation is the need of the hour to address the climate issues in various sectors as the frequency of occurrence of floods and droughts, cold and heat waves are likely to increase under projected climate change scenarios and a threat to food security.

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