Vegetable Production under Climate Change

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Abstract—*A significant change in climate on a global scale will be impact on vegetable cultivation and agriculture as a whole and consequently affect the world's food supply. It is projected that climate change led global warming will have significant impacts on conditions affecting vegetable and assessment of the effects of global climate change on vegetable might help to properly anticipate and adapt farming technique to maximize vegetable production. Climate change is not necessarily harmful but the problems arise from extreme events that are difficult to cultivation. More erratic in rainfall patterns and unsuitable high temperature causes consequently reduce vegetable productivity. Developing countries in the tropics will be particularly vulnerable. Reduced water availability, rise in sea level and salinization make it difficult to cultivate the traditional vegetables in particular zones in the world. Unless measures are under taken to mitigate the effects of climate change, food security in developing countries will be under threat and will jeopardize the future of the vegetable growers in these countries. Vegetables are the best resource for supply nutrients and minerals in human beings and provide smallholder farmers with much higher income and more employs per hectare than other field crops. Vegetables are generally sensitive to environmental factors, particularly low and high temperature and limited soil moisture are the major factor of low yields and will be further affecting by climate change.*

Keyword*: Vegetable production, climate change and food supply.*