International Conference on
"Novel Approaches in Agro-ecology, Forestry, Horticulture, Aquaculture,
Animal Biology and Food Sciences for Sustainable Community Development"
(Agro-tech-2018)

Impact of Climate Change on Agriculture in India

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Abstract—*Global climate change, judging from the debate on the subject, is one of the major concerns of the world today. However, the concern of those closely following the debate is that it has created more panic than concrete strategies to abate and adapt to the global change. The current problems and their remedial measures are linked to the impacts of future climate change in the regional context. Because of such linkages, measures to solve current problems will have the potential to facilitate adaptation to future climatic impacts, without exclusively planning for "uncertain" impacts. Though not a substitute for direct action against global warming, this approach can help insofar as the problem is accentuated by cumulative types of changes such as deforestation and desertification. Its strong point is that it helps to integrate the concerns of current problems with those of the future impacts of global warming, and advocates dual purpose strategies to treat the two without being unduly obstructed by the uncertainties of global change-scenarios. Rising temperature affects flowering and leads to pests and disease buildup. Flood and excess rain over a short duration of time cause extensive damage to crops. Extreme weather events have caught attention of agrarian experts and scientists alike and they are now focussing on natural farming to arrest the impacts of climate change. Climate change affects all the three aspects of food security: availability, access and absorption. When production decreases, availability of food decreases. Climate change hits poor the most. They don't have income to buy the food, so their access to it is affected. This, in turn, has an impact on health and affects absorption."*

ISBN: 978-93-85822-77-3
Pages No.: 34-34