

Impact of Climate Shifting-Change on Rural People and Agricultural Life

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Abstract : Climate change not only influences on agriculture activities but also has certain effects on daily human activities, as well as on overall human health. Keeping in view the significance and huge research gap on the issues, the researchers have found an opportunity to conduct a study in Sindh province of Pakistan, in which the issue of climate shifting/change regarding temperature and precipitation were discussed with the local farmers of district Hyderabad. The quantified perception was gathered on a reliable and valid scale from 200 respondents and was analyzed through SPSS and AMOS software. The result of this study revealed that the significant changes are being occurred in summer ($r^2=0.96$; $M=6.78$) and winter seasons ($r^2=0.71$; $M=6.57$), therefore it is leaving bad effects on human health ($r^2=0.96$) and behavior of the local population ($r^2=0.70$). In addition, the change in the cropping calendar, i.e., timing of sowing ($r^2=0.69$; $M=8.42$) and harvesting ($r^2=0.79$; $M=8.27$) of different crops have been altered due to changes in local weather patterns. Since the local farmers are also facing seed germination ($r^2=0.57$; $M=7.98$) problems, it is therefore recommended that concerned authorities/departments should revise the agricultural calendar. Besides this, respondents were in opinion that actual summer starts even before the vacation and cold season starts when winter vacations ended. Thus, the government and other concerned departments should reconsider or reschedule the vacation regulation policy ($r^2=0.70$) at least at the provincial level.

Keywords : climate, climate shifting/change, impact on daily life, impact on agricultural activities

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