

## **Rainfall Change and its Potential Economic Implications in Central Himalaya, Uttarakhand'**

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The changing rainfall patterns put an additional stress on the biological, ecological, social, economic and environmental scenario. The Indian economy depends upon agriculture and eventually on rainfall because more than 70 % of total population are directly or indirectly rely on the agriculture and it's allied activities. We have taken the rainfall for six stations of Pithoragarh district, Uttarakhand, having rainfall statistics for more than 30years. Maan-Kendall test and Sen's slope estimation at 5% significance level have been applied to understand trends of rainfall. All of the stations indicate negative trend of rainfall in all seasons. All of the six stations, namely Astokedi, Berinag, Chaikri, Munsiyari, Pithoragarh and Dharchula are having the negative trend value -0.618, -0.131, -0.381 and -0.025 accordingly. So the decreasing rate of rainfall will seems to a burden on economy and also found a decreasing rate agriculture and food productivity.