



SDI Review Form 1.6

Journal Name:	<u>Asian Journal of Agricultural Extension, Economics & Sociology</u>
Manuscript Number:	Ms_AJAEES_35945
Title of the Manuscript:	Climate change: Trends and farmers perceptions in Chepang community of Chitwan district, Nepal
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1.Line 54-55: reference necessary 2. Which method was used for trend analysis? Elaborate 3. Methodology has to be elaborated especially for statistical data analysis. 4. You can not say trend analysis without doing any statistical analysis, you can use mann kendall test to determine the trend 5. Table 1 comes abruptly without citing and saying something about it in the text	1.Line 54-55: According to 5th assessment report of the IPCC (2014), compared to the 20th century, the average annual temperature will rise by more than 2⁰C in most of the South Asia by the mid of 21st century, and by the late of 21st century, the temperature increases will exceed 3⁰C and as much as 6⁰C in high altitudes under a high-emission scenario. 2, 3,4 Methodology: Data collection and analysis The research primarily depends on datasets that were obtained from Department of Hydrology and Meteorology (DHM), Kathmandu. Household survey was conducted with local people regarding climate change perceptions. The meteorological station records the daily maximum temperature, minimum temperature, and accumulated precipitation. All the climatic data (1983-2014) were from the Department of Hydrology and Meteorology (DHM), Kathmandu. Household survey The field survey in Siddhi and Saktikhor VDC of Chitawan district was conducted through using semi-structured interview schedule. Each interview schedule was used to collect qualitative information on the community's perception of climate change and experience of weather events, such as rainfall and temperature. Qualitative data about perception were analyzed by using SPSS tools and Microsoft Excel. Trend analysis The annual trend of climate was analyzed for the following variables: Temperature (annual maximum and minimum at Rampur station) and precipitation (annual accumulated quantities at Rampur station). The existence of positive or negative trends among all the considered variables was determined using nonparametric trend test methods. The Mann Kendall trend test is a nonparametric rank-based procedure, robust against the influence of extremes. 5. The informants were asked to provide information on changes in precipitation pattern over last 20 years. They reported that the precipitation pattern has changed and that they are experiencing decrease in rainfall length duration, rainfall amount and rainfall time became unpredictable in recent years. 6. Title of the research Climate change: Trends and farmers perceptions in Chepang community of Chitwan district, Nepal



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	6. The study is only about climatic variability and perception, so change the title of the paper as “Climatic variability and farmer’s perception in Chepang Community of Chitwan district, Nepal 7. The manuscript is like a simple academic project work, without useful scientific values	7. This is my first research work so that this is simple just like project work.
Minor REVISION comments		
Optional/General comments	The manuscript is like an academic project work, and the results are neither widely reliable, nor readily applicable for the people or scientific community. It can be improved by addressing the above mentioned specific comments	