



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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	Reviewer's Comments Title of the Manuscript: <i>Climate change: Trends and farmers perceptions in Chepang community of Chitwan district, Nepal</i> Manuscript Number: Ms_AJAEES_35945 Comments to the author: In general, I think the manuscript presents a nice analysis with interesting results. I only find some minor remarks and the English correction is needed, I therefore suggest its publication after some remarks are taken into account. Here follows a list of some Page 1: line 12: <i>Microsoft Excel was used for data analysis.</i> Please, precise the type of analysis (Methods: descriptive analysis...) Page 1: line 13: <i>Around half of the respondents.....</i> I think you have to specify the value (like 50%). Page 2: lines 64, 65 and 66: <i>This paper analyzes.....data or not.</i> There is need to be rephrase the objectives. Please, you put in two sentences. Page 2: line 78 an79: <i>A few.....of survival.</i> There is need to rephrase. Page 2: line 79: <i>The major crops are Maize, Millet. Cowpea, black...</i> I think it is a comma instead of dote. Page 2: line 68: You wrote MATERIALS AND METHODOLOGY but in this section there not materials and methodology. Please, you must describe your methods for analysis.	Page 1: line 12: Microsoft Excel <i>SPSS program</i> was used for descriptive and trend analysis. Page 1: line 13: 50 percent of the respondents perceived about increase in summer temperature, 37% perceived increase in winter temperature and 58% of respondents perceived decrease in rainfall amount. Page 2: lines 64, 65 and 66: The objective of this study is to analyze the perception of farmers towards climatic pattern and to know about whether these perceptions match with recorded data or not. Page 2: line 78 an79: The primary occupation of the Chepang is agriculture. Khoriya land is their prime means of survival. The major crops grown in khoriya are Maize, Millet, Cowpea, black gram, broom corn millet, buckwheat and rice bean. (Limbu and Thapa, 2011). Page 2: line 68: 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



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	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. Page 5: line 150: majority of respondent S Page 5: Line 152: 49 percent respondent S Pages 6: line 172: <i>MoE, 2010</i> does not exist in the reference section. Page 8: lines 246 and 247: <i>MoEnv., 2010. National Adaptation Programme of Action to Climate Change.</i> Kathmandu: Ministry of Environment, Government of Nepal. Page 9: lines 279 and 280: <i>MoEnv. 2010. National Adaptation Programme of Action to Climate Change.</i> Kathmandu: Ministry of Environment, Government of Nepal. It is necessary to numbering the subtitle like this section three: III. RESULTS AND DISCUSSION 3.1.Temperature: Trends and People's Perception	Page 5: line 150-152: The study shows that majority of the respondents (58 percent) perceived decrease in rainfall amount as compared to past while 57 percent respondents perceived decrease in duration of rainfall. 49 percent respondents perceived that rainfall time is unpredictable as shown in Table 1. Pages 6: line 172: <i>MoE</i> is wrong because of typing mistake. The correct form is <i>MoEnv, 2010</i>. Page 8: lines 246 and 247: Page 9: lines 279 and 280: Doubling of reference of same citation. One of these two is removed in edited section. III. RESULTS AND DISCUSSION Numbering of subtitle done as per guidelines
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	3.1.1. People’s perception 3.1.2. Observed Trend 3.2.Precipitation: Trends and People’s Perception References section: Please, in this section you should arrange into order from A to Z because some references are repeat and some are absent in the text, please correct them.	References Section: arrange in A-Z form.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		