



**SDI Review Form 1.6**

Journal Name:	<b><u>British Journal of Applied Science &amp; Technology</u></b>
Manuscript Number:	<b>Ms_BJAST_32513</b>
Title of the Manuscript:	<b>A study on awareness for climate variability and effects on water resources among farm women</b>
Type of the 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)
<b>Compulsory</b> REVISION comments	<p><b>General comments:</b></p> <p>The study is interesting and innovative, however there is a need to address some issues and make improvements. Introduction and discussion do not contain sufficient literature reviews and references. There have been numerous studies in this research area, please improve your introduction and discussions, by comparing with some studies and find out similarities and differences. I suggest the authors to discuss the significance of this study: what was missing from some previous studies? What new scientific knowledge does the study generate? What is the policy relevance of your study? Because it is good to get the findings, but you need to fit your study in the broader context of climate change issues.</p> <p><b>Abstract:</b></p> <ul style="list-style-type: none"> <li>-the objective and methodology are missing in the abstract, only sample size is mentioned. Please introduce the overall objective of the study, and succinctly state the methodological approach;</li> <li>-Please give some key statistics or percentages instead of just saying majority, of some findings which are related to the main objective;</li> <li>-lines 17, 18, 19: the last sentence which is a very good point for the study, looks like a recommendation, but the issue is that authors did not emphasis on that in the discussion, and in the conclusion</li> </ul> <p><b>Introduction:</b></p>	<p>The necessary corrections have been made in the manuscript and is highlighted also. Abstract is modified as per suggestion. More information about Punjab, India viz, its geography and agro climatic conditions have been added. Material and methods are corrected. Other corrections in result and discussion are made as per suggestions. Changes in data presentation in tables are made as per suggestions. Discussion and conclusion made strong by including more references.</p>



SDI Review Form 1.6

	<p>Line 35 to 42: please use some relevant references to support the statement of this paragraph. Line 43 to 46: this paragraph should be improved and modified. Any specific objective for this study?</p> <p><b>Material and methods</b> Please describe the structure of the sample size, some criteria in selecting respondents. Line 55-56: please differentiate between statistical tools and statistical analyses. Line 60: Fig.1 is never cited in the text. I suggest to create two sections in the methodology: Section 1 on the on-sampling procedures, data collection and data analyse Section 2 on the study area where the authors will describe the area and bring out some of the following information: -some few differences between the three villages (main activities, density of population, ...) -some few criteria of difference between the three ecological zones: rainfall, temp, vegetation, because the work is related to climate change, therefore it is quite important to get an idea of climate characteristics in the area. -Please if it is possible create a zoom out of the of the map to show the country (or a big area)</p> <p><b>Results and Discussion</b> Line 65-67: Consistency issues in writing figures with percentage as unit, please harmonise and choose whether you will write these values in text or as figures. Line 92: Since you give n=120, I think you don't need to give the two figure in the table, which load the table with the same information (avoid redundancy), choose between the number of respondents and the percentage; Line 101-103: The figures in parentheses look wrongly inserted, and it looks like the % are related to climate parameters, which is not correct, I think the % are rather the</p>	
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	<p>proportions of respondents who are having this perception. Please reformulate the phrase</p> <p>Line 138-139: how? please explain how the role of EA can create awareness; develop this point and support with references; Line 145-146: redundancy of what you said earlier Line 147-148: please support with some references Line 171-172: please reformulate and divide into two sentences</p> <p>Lines 14, 78, 101, 105, 132, 135, 143, 145, 160, 163: So many sentences started by "It", reformulate the style.</p> <p><b>Conclusion</b> Line 180: The conclusion needs to be improved Line 190-192: you made a good point but very poorly discussed in your works; even if you did not capture data on that, you should discuss this point and show through some references with some examples in other studies which roles extension agents and research could play in training farm women and reduce effects of climate change by adopting appropriate technologies.</p> <p><b>References</b> Line 211: please check, Khepar et al 2001 is missing Line 222: please check PSFC or PSFC Report Line 224: Sharma et al 2016 is missing Line 229: please write correctly Vani S. and Kumar P. 2016</p>	
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<p><b>Minor</b> REVISION comments</p>	<p>Abstract: Line 5-6: No need the repeat the title of the paper at the start of the abstract Line 52: please check the following sentence: Ropar, Ludhiana and Faridkot. Line 25-28: I suggest to round the figures, both the one in hectares and the percentages, and then please choose one between the two, same comments for the rest of the manuscript: all figures should be rounded. Line 77 to 79: instead of the range of the family members, I suggest to give the average, because extreme values such as min and max can mislead the distribution of the data. Table 1: first column, put characteristics in singular, last column, please add unit % in parentheses and round all the figures in this column line 85-86: I suggest to replace "fully aware" by different words like "believe", "think", ... line 89: Please add where Vani and Kumar (2016) conducted their study, Line 100: Please start the paragraph by Figure 2 indicated instead of "the data in Figure 2"; Line 105-107: the beginning and the end of this sentence make it difficult to understand, please reformulate, Line 109-110: maybe authors can remove this sentence, because of lack of precisions: -which table are you talking about? -very few farm women? -about different reasons? Line 112: Fig. 2: please improve the graph: -remove lines in the background; -round all figures; -complete graduation of y axis; -the title of y axis, make it singular, and add unit in parentheses (%) and center the title. Line 129: Please harmonise the font text in the table Line 132-135: Again the figures in percentages are rather related</p>	<p>All corrections as per suggestion are made.</p>
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	<p>to respondents not to the awareness about factors; please modify this style, Line 132-135 please divide this sentence into two sentences Line 168: Please improve the graph: -add y-axis title; -remove horizontal lines in the background; -round the figures; I do not understand the reasons of climate change</p>	
<b><u>Optional/General</u></b> comments	<p>Authors could also use some descriptive statistics and work out the socio-economic characteristics of farm women accordingly to their perception of climate variability and effects on water resources.</p> <p>Line 1: the title could be modified as follow: Farm women awareness of climate variability and its effects on water resources</p>	