

Review Form 3

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_128642
Title of the Manuscript:	Synergies and trade-offs of Climate-Smart Agriculture practices and mediating factors in enhancing maize yields among Smallholder Farmers in Tanzania's Semi-arid Regions
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	<ol style="list-style-type: none"> 1. The study focuses on a pressing issue—climate change impacts on agriculture in sub-Saharan Africa. The emphasis on CSA practices aligns well with global and regional agricultural sustainability goals. 2. The use of primary data collected from 299 households in two distinct semi-arid regions of Tanzania strengthens the study's validity. Including variables like credit access, NGO assistance, and CSA training adds depth. 	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	No, mentioned.	

Review Form 3

Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments	<ol style="list-style-type: none"> 1. The literature review could better situate the research within the broader context. For instance, highlighting specific gaps in prior studies would clarify the unique contribution of this work. 2. The description of sampling techniques and statistical analysis lacks full transparency. For instance, more details about the selection of wards and the use of Yamane's formula would help assess the representativeness of the sample. 3. The reliance on self-reported data via Likert-scale questionnaires may introduce response bias. This limitation should be explicitly acknowledged, and triangulation with secondary data could strengthen the findings. 4. The discussion appears to lean heavily on the benefits of CSA practices. Greater emphasis on addressing the implications of trade-offs—such as increased labor costs or conflicting practices like minimum tillage and mixed cropping—would provide a more balanced view. 5. Although the SEM goodness-of-fit indices indicate an acceptable fit, the paper does not discuss potential model limitations or alternative specifications. Adding sensitivity analysis or robustness checks would improve the credibility of the results. 6. While the recommendations are relevant, their feasibility under current socio-economic conditions is not fully explored. For example, the cost implications of providing credit or widespread training are not addressed. 7. Figures like heatmaps and path diagrams are useful but could be better annotated to enhance interpretability for readers unfamiliar with SEM or path analysis. 8. All references should be consistently formatted and accurately cited. The authors are advised to check the following references and may use them in the paper. https://doi.org/10.2166/aqua.2023.005 https://doi.org/10.1007/978-981-13-8181-2_18 https://doi.org/10.1016/B978-0-443-29802-8.00002-9 https://doi.org/10.1016/B978-0-323-91910-4.00030-3 https://doi.org/10.1007/978-981-19-7100-6_31 	

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Padam Jee Omar
Department, University & Country	BBA University, India