

### Review Form 3

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_128639
Title of the Manuscript:	Green gram-sorghum intercropping: effects on crop microclimate, competition, resource use efficiency, and yield
Type of the Article	Original Research Article

#### General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	The research titled " <b>Green Gram-sorghum intercropping: effects on crop microclimate, competition, resource use efficiency, and yield</b> " is well articulated and addresses a fundamental topic within the fields of <i>Green Gram-sorghum Intercropping systems as the researcher investigated their effects on Crop Micro-climate, Efficiency use of resources and competition focusing on study cases of Mwala and Katangi in Southeastern, Kenya</i> . The study compressively identifies and investigates Intercropping systems and crop microclimate, Green Gram and Sorghum Yield; Canopy Temperature and Soil Temperature; Water and Nitrogen Use Efficiency; Vapor Pressure Deficit, and Crop Water Stress Index; Crop Aggressivity; Relationship between green gram grain yield and nitrogen and water use efficiency; Relationship between Grain Yield and Nitrogen and Water Use Efficiency; and finally, the Relationship between Soil Temperature, Vapor Pressure Deficit, and Canopy Temperature. These in-depth investigations offer valuable insights into intercropping systems, double-row and single-row systems, increased grain yield, WUE and NUE, and the regulation of crop microclimate.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, this title is suitable. However, I have recommended some amendments in terms of <i>typological errors</i> . Also, there is a need to insert <i>the area of a study</i> as indicated in the provided track changes and comments.	
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.	There is no need for any addition or deletion. The introduction section is good and shows the significance of the study. However, there are a few typographical, punctuation and grammatical mistakes that need to be addressed as I have pinpointed in the track changes sections. I have also noted that the study area, recommendations, and suggestions for future scientific research sections are missing in the abstract. Therefore, this should also be addressed to make it more robust and informative.	
Is the manuscript scientifically, correct? Please write here.	In my opinion, I ascertain that this article is scientifically robust and technically sound. Similar research has not been conducted in the studied area. Therefore, fill this research gap. This research demonstrates scientific correctness by thoroughly discussing; Intercropping systems, crop microclimate and yields of green grams and Sorghum by relevant literature and data references. However, some sections could benefit from clearer explanations and improved organization to enhance accessibility and precision. Therefore, the study is worthy to be published.	
Are the references sufficient and recent? If you have suggestions for additional references, please mention them in the review form.	The references are sufficient, all of them are <i>most recent -2014 to 2024</i> . The cited and referenced materials are relevant to the present article with all citations in the reference list.	
Is the language/English quality of the article suitable for scholarly communications?	Please check <i>a few grammar and punctuation typo errors</i> in the article. Some of the <i>errors</i> are indicated in the track changes and comments. Please address them to improve the rigor of this article.	
Optional/General comments	The paper has a few typographical and grammatical mistakes. As indicated in the track changes, address the errors as indicated on the <i>manuscript's track changes</i> to improve the readability and clarity of the text. Overall, I believe the article is acceptable after addressing a <i>few suggested revisions</i> , particularly concerning addressing the specific questions and comments raised, and ensuring at a glance and fast revision actions.	

#### 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:

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