

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_87907
Title of the Manuscript:	AMMI modeling of Stability and Genotype by Environment Interaction of Common Bean Varieties (<i>Phaseolus vulgaris</i> L.) in Mbeya region, Tanzania
Type of the Article	Original Research

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:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy>)

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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	<ul style="list-style-type: none"> - Please use GxE or GEI or G by E consistently in entire manuscript - Preferable to use the terminology "Genotype" rather than variety for pipeline unless the test genotypes are improved/released varieties - Under result and discussion highlighted, you are correct, genotypes with values closer to zero showed stability (general adaptability) of a given genotype but not an indication of high yielding, so please see it again - personally I recommend to include (Genotype and environment mean) the mean table of each genotype at each location and over location means of each genotype; and PCA values of each genotype side by side that ideally convincing the readers by relating with the result interpretation you have done - You have indicated that genotypes with PCA values closer to zero are recommended for adaptation to specific environment, but I do believe that those genotypes are not recommended for specific environment rather, as they are stable (less interactive with environment) and representative, for overall environment. <p>Conclusion part</p> <ul style="list-style-type: none"> - You didn't say anything about your study result here, so, should include it in addition to the general ideas you have already shown <p>References</p> <ul style="list-style-type: none"> - (Santoyo et al., 2017). (Falconer and Mackay, 1996) and Yan et al 200 cited in the text body but not in bibliography, so, please check both or recommend you to use citation software such as medley, endnote To avoid such like problem - 	
Minor REVISION comments	<p>Abstract:</p> <ul style="list-style-type: none"> - <p>Under Methodology:</p> <ul style="list-style-type: none"> - Include details for number of rows (total rows in gross plot and harvestable rows) to indicate the way you were avoid border effect during field experimentation - Include Seed, fertilizer rate and type, other agronomic practices as well - Better to show the AMMI model equation used <p>Under Result and discussion</p> <ul style="list-style-type: none"> - Great to include at least two PC values in interpretation in addition to the first PC - Personally am not comfortable with paragraph "AMMI modelling" please try to modify 	
Optional/General comments	<ul style="list-style-type: none"> - It would be better and the conclusion will be sound full for GEI and stability study if the environments (combination of seasons and test sites) will be six and more, breeders agreement - The manuscript generally lacks discussion, the author focuses only on the result. So, better to support the study results with previous scholars ideas - Great to include acknowledgment any person organization supported the work 	

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PART 2:

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

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