

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_123160
Title of the Manuscript:	Assessment of Bottle Gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.] Genotypes for Quality Traits.
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: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The article presents valuable insights about the heterosis and combining ability studies of qualitative traits in bottle gourd genotypes and crosses. The detailed methodology and comprehensive discussion will make it a significant contribution to the research. Addressing the identified weaknesses and incorporating the recommendations would enhance the clarity and impact of the study.	
Is the title of the article suitable? (If not please suggest an alternative title)	<p>According to the need of the paper, title may be more informative for this paper, so that readers can easily find it.</p> <p>Suggestion for title (Estimation of Heterosis and Combining Ability for Quality Traits in Bottle Gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]</p>	
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.	The abstract effectively summarizes the study, highlighting the heterosis and combining ability in qualitative traits among the genotypes of bottle gourd. It mentions the key findings and their potential implications for plant breeding programs. However, it would benefit from a more concise presentation of results of combining ability and the gene effects. Also add the importance of the study.	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	<p>Strengths:</p> <ul style="list-style-type: none"> • Comprehensive Background: The introduction provides a solid foundation for the study, outlining the importance of bottle gourd and the quality traits. • Detailed Methodology: The materials and methods section is thorough, ensuring reproducibility of the study. • Clear Presentation of Results: The use of tables and detailed descriptions effectively conveys the variations observed in qualitative traits. <p>Weaknesses:</p> <ul style="list-style-type: none"> • Improve introduction: Introduction could be more informative about the study. Addition of qualitative traits importance and effectiveness for the breeding could make it more attractive. • Abstract Conciseness: The abstract could be more concise, providing details of the combining ability results. • <p>Recommendations</p> <ul style="list-style-type: none"> • Concise Results Presentation: Summarize the results more concisely, focusing on key findings and their implications. • Citations: Correct citations according to the journal's requirements. • Grammar correction: Check spellings and other recommended corrections to make it more effective and scientifically correct. • Improve discussion: Include more details on the study by adding discussion about the importance of heterosis and combining ability studies. Gene effects on the heterosis and combining ability. • Abstract Improvements: Make the abstract more concise adding results of the study and include GCA and SCA values for the best genotypes. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes/ minor corrections are required	
<u>Optional/General</u> comments	Overall, the article presents valuable insights about the heterosis and combining ability studies of qualitative traits in bottle gourd genotypes and crosses. The detailed introduction and comprehensive discussion will make it a significant contribution to the research. Addressing the identified weaknesses and incorporating the recommendations would enhance the clarity and impact of the study. Adding the importance of the study about the traits and the estimated values in the introduction would enhance the clarity of the paper. Discussion should be more informative and effective. Elaborating the importance of heterosis, GCA and SCA in bottle gourd, would enhance the clarity and impact of the study.	

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>	

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