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| Journal Name: | [**International Journal of Plant & Soil Science**](https://journalijpss.com/index.php/IJPSS) |
| Manuscript Number: | **Ms\_IJPSS\_140676** |
| Title of the Manuscript: | **PCA-driven Insights into Hybrid-Parent Performance in Okra [Abelmoschus esculentus (L.) Moench.]** |
| Type of the Article | **Original Research Article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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 nature of article was specialized. This research article addressed on genetic diversity and identify trait relationships among okra. The authors have undertaken a rigorous study as PCA. However, there are few points which need to be improved; | We thank the reviewer for recognizing the significance of our work. As noted, this study provides insights into genetic diversity and trait associations in okra using PCA, which can benefit modern plant breeding efforts. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title clearly, concisely, honestly and sufficiently reflect the contents of the article | We are grateful for the positive feedback. The title has been retained as it accurately reflects the contents of the article. |
| **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 informative and justified by the contents in the manuscript. But The abstract has accurately resulted. | Thank you for the comments. Minor corrections have been made to improve the clarity and consistency of the abstract. |
| **Is the manuscript scientifically, correct? Please write here.** | In case of Introduction, there are only two reviews. It should be included more update review. But in method and materials, it needs more elaborate. Discussion should be included separately. | we have revised the Introduction to incorporate more recent and relevant literature. The Materials and Methods section has been expanded for better  clarity. Results and discussion maintain as far as Journals regulation permit. We kindly request it stand as it is. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References were adequate | We appreciate the reviewer's note. We have reviewed the references and added new references that we introduced during revision and ensured their  adequacy and recency. |
| **Is the language/English quality of the article suitable for scholarly communications?** | The language quality of this article satisfactory level | We thank the reviewer for the comment. |
| **Optional/General** comments | Key finding should be included after conclusion. But i recommend paper may be accepted for publication after minor correction | As suggested, summary of key findings has been added after the Conclusion section. |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |