Review Form 3

Journal Name:	**Journal of Advances in Biology & Biotechnology**
Manuscript Number:	**Ms_JABB_130884**
Title of the Manuscript:	**Correlation coefficient along with direct & indirect analysis for important economic traits and yield in fennel (Foeniculum vulgare Mill.)**
Type of the Article	**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.
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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.	**This manuscript provides offers valuable insights into the relationships between important economic traits and yield in fennel (*Foeniculum vulgare* Mill.) through correlation coefficient analysis and direct and indirect effects analysis. By identifying key traits that significantly influence yield, the study offers essential information for breeders and researchers aiming to improve fennel productivity. The findings can aid in the development of more efficient selection strategies, ultimately enhancing crop improvement programs. This research contributes to the scientific community by deepening the understanding of trait interrelationships, which is crucial for optimizing breeding efforts in fennel.**	
Is the title of the article suitable? **(If not please suggest an alternative title)**	**Yes but need correction** **Title requires a correction to justify the findings in the study** **The term direct & indirect analysis is somewhat inappropriate**	
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.	**Up to the mark**	
Is the manuscript scientifically, correct? Please write here.	**Introduction** It is essentially required to quote references to support the statements Need to quote recent references of last five years to justify the manuscript **Method & Material** is to be replace with materials and methodology Mention type of soil in the particular location Need to mention the names of check varieties **Results** Assessment of only phenotypic correlation coefficient is not providing complete information between traits, because this is outcome of genotypes & environment interaction. - This sentence needs to be expressed with better clarity **Discussion** should be included in the study. **Conclusion** needs to be included in the study.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Recent reference needs to be included	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	**-**	

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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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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Department, University & Country	**MJPTBCW Residential B.Sc. Agriculture College, India**