

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_122236
Title of the Manuscript:	HETEROSIS AND INBREEDING DEPRESSION STUDIES FOR FIBRE QUALITY TRAITS IN UPLAND COTTON (<i>Gossypium hirsutum</i> L.)
Type of the Article	

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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.	Studying heterosis and inbreeding depression in cotton is essential for enhancing fiber quality traits. Heterosis can improve these traits by combining the strengths of different parent lines, while understanding inbreeding depression helps avoid the negative effects of crossing genetically similar individuals. By analyzing both phenomena, researchers can develop breeding strategies that optimize fiber quality, ensuring the production of high-quality cotton that meets industry standards.	
Is the title of the article suitable? (If not please suggest an alternative title)	YES	
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.	YES The quality of the abstract can be improved by discussing about all the crosses first w.r.t their heterosis nature and then inbreeding depression in common. At last the best cross combination with least inbreeding depression and high heterosis can be discussed for their further exploitation on commercial scale.	
Are subsections and structure of the manuscript appropriate?	YES In material and methods separate sections should be made for field experiment and statistical analysis Proper numbering of the titles and subtitles	
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.	This manuscript is scientifically robust and technically sound as it thoroughly investigates heterosis and inbreeding depression in cotton, which are critical factors in understanding and improving fiber quality traits. The study employs rigorous methodologies, appropriate experimental design, and comprehensive data analysis, ensuring reliable and valid results. However, the way the paper has been represented could be improved to enhance clarity and impact.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	YES Change them as per the format of the journal	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language quality need improvement, particularly in the abstract and introduction section, to create a stronger impression on the readers	
Optional/General comments	<ol style="list-style-type: none"> 1. All the corrections as given in the comment box should be included to improve the quality of the manuscript. 2. The introduction lacks a discussion on inbreeding depression, and its overall quality could be improved. 3. The Table number in the text is not correct in material and methods section 4. Format references as per the format 	

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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>	

Reviewer Details:

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