

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_128380
Title of the Manuscript:	Heterosis studies on grain yield and yield attributing traits in Rice ( <i>Oryza sativa</i> L.)
Type of the 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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#### **Important Policies Regarding Peer Review**

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### Review Form 3

#### PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 carried out on heterosis. It aims to enhance grain yield through identification of hybrids vigour manifested by rice hybrids. It contributes not only to produce highly quantity of rice with high nutritional quality, but also, it allows to response to the farmers demand.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title is suitable	
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	Abstract is poor. Complete this with context, method, results and partial conclusion. Indicated all statistical package program using for analyse data. Key words are not cited in the abstract. Mentioned some sentences regarding these words indicated.	
Is the manuscript scientifically, correct? Please write here.	Introduction must be contained the importance of plant studied, the problems which justified the study undertaken and the strategies used to resolve the problems indicated. Therefore, mentioned the economic and health importance of rice. Demonstrated why this research can be done justifying the scientific novelty. Explained the utility of heterosis in order to increase yield seed rice. Authors must be mentioned the objective of research work at the end of the introduction. Regarding materiel and methods indicate the seeds providing and justify why the lines and hybrids were selected. Describe the experimental design and agronomic practices. Explain clearly the crossing method for obtaining hybrids. Mentioned the formulas for estimation of heterosis and heterobelsis. The first and second paragraphs must be not appeared in the result section. In this section, present only the results and discussion in relation with this. Describe succinctly the yield and seed yield evaluation method more precisely the number of plants selected in each replication. For each trait, at the beginning, don't mention the discussion. It is important to present the results obtained before the discussion. Conclude each paragraph for trait studied by partial conclusion regarding the future research to undertake for efficient strategies of lines development. Precise the hybrids for commercial utilization. The table 1 in result section must be in the end of different paragraphs describing the traits evaluated. Conclude if the hybrids manifested better parent heterosis, lowest standard heterosis or significant positive/negative heterosis values for future investigation to ensure enhancement grain yield. Associate for results of each agronomic trait the references as discussion attesting the correlation of this research with previous study. In conclusion, mentioned the specific objectives in coherence with all results for all traits evaluated.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	No. Authors must be work hardly in order to enhance the discussion with appropriate references.	
Is the language/English quality of the article suitable for scholarly communications?	The English language is affordable	
<u>Optional/General</u> comments		

#### 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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