

**Review Form 3**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_122005</b>
Title of the Manuscript:	<b>CORRELATION AND PATH COEFFICIENT ANALYSIS FOR YIELD AND ITS COMPONENT TRAITS IN ADVANCED BREEDING LINES OF RICE [ORYZA SATIVA L.]</b>
Type of the Article	

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>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.</b></p>	<p>Determination of correlation coefficients is an important statistical procedure for evaluating breeding programs for high yield. Research on the relationships between the observed characters could help improve the efficiency of the breeding program by determining appropriate selection criteria. To separate correlation coefficients into components of direct and indirect effects, the path coefficient analysis provides an excellent tool as it can measure the direct and indirect effects of interrelated components of yield as a very complex trait.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>Yes</b></p>	
<p><b>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.</b></p>	<p>Yes, with a slight correction.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>Yes</b></p>	
<p><b>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.</b></p>	<p>The paper deals with current and practical issues in the field of rice breeding. The authors used an appropriate experimental design and obtained logical results. The paper presents the research on: days to 50% flowering, days to maturity, plant height, panicle length, ear-bearing tillers per square meter, spikelet fertility, grains per panicle, test weight and grain yield per plant. All characteristics are correlated with yield, which is why they are the main target and most common subject of research in this area. The results in the tables are clearly shown. The comments are also clear, but very monotonous and the whole discussion is shown with the same sentences repeating themselves. I recommend rewriting at least part of the discussion with different comments and adding other such references.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Yes, appropriate recent references have been used, but it's good to add more.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Ok</p>	
<p><b>Optional/General</b> comments</p>	<p>The paper as a whole is an original scientific paper and has significant scientific and practical significance in rice breeding. Therefore, after the suggested corrections, I recommend it for printing in your journal.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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