

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_129911
Title of the Manuscript:	Studies on genetic divergence and character association studies on germplasm accessions of rice (<i>Oryza sativa</i> L.)
Type of the Article	Original Research Article

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</i>
<p>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.</p>	<p>The manuscript has the enough importance and also some extent of scope in future when we talk about the rice improvement globally. Actually this research investigation is a prebreeding approach that provides insights beyond those offered by various mating designs like diallel mating and line x tester analysis, which indicate the presence or absence of epistasis types of variations.</p> <p>This research investigation helps in selecting the desired parental lines for further rice breeding programme as per the need or requirement of various breeding objectives. High heritable lines could be selected for the breeding programme to improve the important quantitative traits.</p>	<p>This research is useful for the future of agriculture. It is equipping the next generation of scientists, farmers, and agricultural leaders with the tools and knowledge needed to build a more resilient, sustainable, and food-secure world.</p>
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	<p>Genetic divergence and character association studies on germplasm accessions of rice (<i>Oryza sativa</i> L.)</p>
<p>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.</p>	<p>Yes, but need some modifications.</p> <ul style="list-style-type: none"> The abstract portion should be data oriented which should reflect the major findings along with the aim of this study of your paper with a line of conclusion. In Material and methods section you should write about the location or University/Institution name where the experimental trail has been conducted. In conclusion section, the traits showed high heritability with high genetic advance by characters such as number of unfilled grains per panicle is a question, it is not possible why this data is oriented, because the most of the economic quantitative traits showed high heritable coupled with high genetic advance. Number of unfilled grains per panicle is a non-economic or undesired trait. In this case this data will be low heritable coupled with low genetic advance. Give the justification it in the form of appropriate references. The conclusion portion should not be in this way that you have written; you need to write about the outcome of Genetic Variability, Heritability and Genetic Advance, Character Association Analysis. How can you use those lines having High Genetic Variability, Heritability and Genetic Advance, and good Character Association in further rice breeding? Mention these things in your conclusion. <p>Further, you need to write the future need of this kind of research study and what will be the positive emphasis of this research in upcoming rice research programme.</p>	<p>I have done this all. I correct it all.</p>

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Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Low to moderate	Need to improve somewhere
<u>Optional/General</u> comments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	