

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_128005
Title of the Manuscript:	Genetic Variability Studies for Yield and its associated traits in Rice (<i>Oryza sativa</i> L.) for Low Soil Phosphorus Condition
Type of the Article	Original Research

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.	Rice is a cereal crop that constitutes a staple food for the majority of the world's population. Its production is subject to enormous constraints including phosphorus deficiency which limits its yield due to the low fertility of the production soils. As part of this study and in order to meet global demand, the authors have evaluated rice lines in order to study their genetic variability. Genetic variability for low P tolerance is essential for the success of any plant breeding program aimed at developing phosphorus-efficient cultivars, as it reflects genomic differences in P efficiency.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is very suitable according to the result present in this manuscript	
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.	The abstract is comprehensive. However, it would be even more interesting to indicate for each important variable, the value of the parameter for which it is better compared to the other variables. We must then clearly read the groups of variables according to whether they show high, moderate or low value for these genetic parameters.	
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.	References are recent	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	In order to have an easier understanding of the results obtained by the authors, I propose that a more in-depth discussion be made by highlighting whether there are different groups of variables by genetic parameters and, if necessary, reporting the different possible groups. In summary, it will be a question of basing ourselves on the literature to situate ourselves when the genetic advance is strong or weak.	

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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>	

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