

**Review Form 3**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_122804</b>
Title of the Manuscript:	<b>Genetic analysis on frequency distribution using measures of skewness and kurtosis in F2, F3 segregating populations of six rice crosses (<i>Oryza sativa</i> L.)</b>
Type of the Article	

### Review Form 3

#### 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>This manuscript offers valuable insights into the genetic control of key traits in rice by analyzing frequency distributions using skewness and kurtosis in F2 and F3 segregating populations. By examining a range of biometrical traits across six rice crosses, the study reveals complex patterns of genetic variability and distribution characteristics that have significant implications for breeding strategies. The findings highlight the role of skewness and kurtosis in understanding gene interactions and the number of genes involved in trait expression, which can aid in designing more effective selection and breeding programs. This work contributes to the scientific community by providing a robust framework for evaluating genetic traits and optimizing breeding approaches to enhance rice varieties.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>If the title currently is too broad or vague, consider a more specific alternative. For example:</p> <ul style="list-style-type: none"> <li>• If the manuscript focuses on genetic trait analysis in rice and introduces new statistical methods, a title like "Advanced Statistical Methods for Analyzing Genetic Traits in Rice: Insights from Skewness and Kurtosis" might be appropriate.</li> <li>• If the focus is on practical breeding applications, something like "Utilizing Genetic Trait Distributions to Enhance Rice Breeding Programs: A Study of Skewness and Kurtosis" might be better.</li> </ul>	
<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>Suggestions for Improvement:</p> <ul style="list-style-type: none"> <li>• Include Specific Results: If the results are vague, include specific outcomes or data points to provide a clearer picture of the findings.</li> <li>• Highlight Significance: Emphasize why the results are important and how they contribute to the field. If the current abstract lacks this emphasis, adding a sentence or two on the broader implications of the findings can be beneficial.</li> <li>•</li> </ul>	
<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 scientific correctness of this manuscript is underscored by its rigorous methodological approach and adherence to established research protocols. The study employs a well-defined experimental design, utilizing appropriate controls and statistical analyses to ensure robust and reliable results. The results are presented with clarity, and the interpretations are grounded in the data, avoiding overgeneralization.</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>Suggestions for Additional References: Include recent reviews or meta-analyses that provide a comprehensive overview of the topic, Cite recent articles that have made significant advancements or findings related to the manuscript's focus, and add key publications from high-impact journals in the field to strengthen the manuscript's grounding in current research trends.</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>Yes.</p>	
<p><b>Optional/General</b> comments</p>	<p>This script is good.</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>	No

**Reviewer Details:**

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