

**Review Form 3**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_121448</b>
Title of the Manuscript:	<b>Genetic variability studies for yield and yield attributing traits in Rice (<i>Oryza Sativa</i> L.) genotypes.</b>
Type of the Article	<b>Research</b>

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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)
<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>	A population's likelihood for individual genotypes to differ from one another is measured by genetic variability. Genetic variation and the mode of inheritance of both quantitative and qualitative traits are crucial factors to consider when planning a breeding program. Without genetic variability, populations find it more difficult to adapt to changes in their environment, which increases their risk of extinction. Genetic variability is also important for biodiversity.	-
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>yes</b>	-
<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>	Planning a suitable breeding strategy for genetic improvement requires assessing variability for yield and other features, which is critically necessary. Thus, the goal of the current study was to determine genetic variability and heritability of the desired attributes across genotypes of linseed for a prospective breeding program.	-
<b>Are subsections and structure of the manuscript appropriate?</b>	<b>yes</b>	-
<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>	In order to generate improved varieties that would boost and maintain agricultural productivity, genetic variety is crucial. Plant breeders frequently make selections based on yield components, which subsequently boost yield indirectly. A trait's heritability plays a significant role in determining how it reacts to selection. It has previously been shown that in order to design an effective breeding program for the genetic improvement of plants for quantitative characteristics, accurate estimations of heritability are necessary	-
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<b>sufficient</b>	-
<b>Minor</b> REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	yes	-
<b>Optional/General</b> comments		
	In breeding studies, one of the most crucial variables is heritability, or the degree of genetic influence associated with particular desirable features. Heritability aids in genetic selection by indicating the proportion of phenotypic variability that is attributed to genetic variation and the remainder to environmental influences. <sup>6</sup> Another factor influencing selection's efficacy is genetic advancement.	-

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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:**

Name:	<b>T. Geetha Jebarathnam Kuttibai</b>
Department, University & Country	<b>Bharath Institute of Higher Education and Research, India</b>