

### Review Form 3

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_129611
Title of the Manuscript:	Estimates of genetic variability for yield its component trait in Urdbean ( <i>Vigna mungo</i> L.) germplasm
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 feedback here)</i>
<b>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.</b>	This manuscript provides a detailed analysis of genetic variability in urdbean ( <i>Vigna mungo</i> L.) germplasm, which is highly relevant for enhancing crop productivity and addressing challenges in legume breeding. The study's findings on traits with high heritability and genetic advance are valuable for identifying superior genotypes, offering actionable insights for breeding programs. It contributes significantly to understanding variability and trait inheritance in urdbean.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes, the title is appropriate and accurately reflects the content of the manuscript.	
<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>	The abstract is well-written and provides a concise overview of the study's objectives, methods and findings. However, it could be enhanced by briefly mentioning the implications of high heritability and genetic advance traits for breeding.	
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes, the manuscript is scientifically sound. The methodology is appropriate and the statistical analyses are robust.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The references are adequate and cover recent studies. Including more references on genetic variability in legumes could further strengthen the discussion.	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language is generally clear and suitable for scholarly communication. Minor grammatical corrections and rephrasing of some sentences could improve readability.	
<b>Optional/General</b> comments	<p>The manuscript provides valuable insights into genetic variability in urdbean but needs clarification in a few areas:</p> <ol style="list-style-type: none"> <li><b>Data Observations:</b> <ul style="list-style-type: none"> <li>Expand on the implications of additive gene action traits like plant height and seed yield for breeding strategies.</li> <li>Include environmental details (e.g., soil type, rainfall) to contextualize the phenotypic variations.</li> </ul> </li> <li><b>References:</b> <ul style="list-style-type: none"> <li>Replace older references (e.g., Vijaya Kumar et al., 2015) with recent studies, if available.</li> </ul> </li> <li><b>Suggestions:</b> <ul style="list-style-type: none"> <li>Add a brief explanation of statistical methods for heritability and genetic advance.</li> <li>A summary table or graphical representation of key traits with high heritability and genetic advance could enhance the manuscript's clarity.</li> </ul> </li> </ol>	

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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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