

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_102240</b>
Title of the Manuscript:	<b>Estimation of genetic variability for yield and yield attributing traits in Dolichus bean [Lablab purpureus (L.) sweet var. typicus] genotypes.</b>
Type of the Article	<b>Research Article</b>

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy> )

### PART 1: Review Comments

	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)
<p><b>Compulsory REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Research is extremely important as it is directly related to food security. Food security is a global challenge that involves ensuring regular and adequate access to safe and nutritious food for the entire population, helping to increase food production, improve nutritional quality and strengthen the resilience of food systems. The objective of the research was to evaluate the genetic variability and the productivity characteristics of bush type Dolichos bean. The results obtained are of great importance, as they provide valuable information for breeding programs for this crop. The genetic variability found demonstrates the potential to select varieties with better productivity characteristics, such as pod weight per plant, average leaf area and number of pods per plant. These characters were less influenced by the environment, indicating that they are mainly governed by additive genes. Furthermore, the high heritability and genetic advancement observed for these traits indicate that selection based on phenotypic performance will be effective in improving Dolichos bean yield. Breeders should consider these results when selecting genotypes for future breeding programs, considering both additive and non-additive gene effects. In summary, the research highlights the importance of assessing genetic variability and identifying key traits related to Dolichos bean productivity. The results provide a solid basis for future efforts to improve this crop, aiming at obtaining more productive varieties adapted to the demands of farmers and consumers. Furthermore, research conducted at the University of Agriculture and Technology in Odisha, India, highlights the importance of this institution as a center of academic and scientific excellence in the field of agriculture and agricultural technology. The article is original. The text is well founded, the methodology adequate to the proposed objectives, without corrections. The introduction is well written and very clear, along with its objectives. The methodology is adequate and the results of the tables are all correct. The bibliography is updated and refers to authors with experience in the field.</p>	
<p><b>Minor REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>		
<p><b>Optional/General</b> comments</p>		

### 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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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