

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_103711</b>
Title of the Manuscript:	<b>Genetic Variability, Heritability and Genetic Advance Analysis in Bread Wheat (Triticumaestivum L.) Genotypes</b>
Type of the Article	<b>Original 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>

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**PART 1: Review Comments**

	<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>
<p><b><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>3. Is the abstract of the article comprehensive?</b></li> <li><b>4. Are subsections and structure of the manuscript appropriate?</b></li> <li><b>5. Do you think the manuscript is scientifically correct?</b></li> <li><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>1. Manuscript is very important for the scientific community in view of the economic importance of wheat Bread as an important staple and an industrial crop. There is therefore the need to breed for improved varieties with suitable traits to meet the demands of the market.</li> <li>2. The title of the article is ok</li> <li>3. Abstract is ok but a bit of introduction and justification for the studies could help.</li> <li>4. Subsections and structure of the manuscript is appropriate. However, the economic importance of wheat especially as staple and for the bakery industry could be added to the introduction and the need to breed improved varieties with marketable values stressed. Also indicate clearly the justification of your study and any new innovations your work is bringing up. This is important because several studies have been conducted in this area. Also include in your introduction expanded literature on Heritability, GCV, PCV, GAM, and their implications with references which will help you in the discussions.  Also author should rewrite the materials and methods following the work of:  EndashawGirmaSeyoum, AlemneshSisay. Genetic Variability, Heritability and Genetic Advance Study in Bread Wheat Genotypes (<i>Triticumaestivum</i> L.). <i>Advances in Bioscience and Bioengineering</i>. Vol. 9, No. 3, 2021, pp. 81-86. doi: 10.11648/j.abb.20210903.13  Please this is very important for repeatability of your studies. The site must be well described. Also mention briefly the procedures for measuring the characters studied. What were the standard statistical procedures used? How were the genetic parameters estimated? Please let us know so we can repeat your studies.  There was no discussion for the means results with support from other workers. This is why your introduction should include vital results of some empirical studies for your discussions.  The conclusion must be rewritten and should not be like a repetition of the results.  Other suggestions have been made in text and comments section for appropriate action.</li> <li>5. The manuscript is scientifically correct subject to minor corrections and suggestions made.</li> <li>6. The references are sufficient but may need a bit to support literature on Genetic variability, Genotypic coefficient of variation, phenotypic coefficient of variation, genetic advance and genetic advance as percentage of mean. Their implications must be mentioned so that they could be used in the discussions. Additional suggestions are found in the text and comments section.  Suggested references: EndashawGirmaSeyoum, AlemneshSisay. Genetic Variability, Heritability and Genetic Advance Study in Bread Wheat Genotypes (<i>Triticumaestivum</i> L.). <i>Advances in Bioscience and Bioengineering</i>. Vol. 9, No. 3, 2021, pp. 81-86. doi: 10.11648/j.abb.20210903.13  Ewool M. B. &amp; Akromah R. 2017. Genetic Variability, Coefficient of Variance, Heritability and Genetic Advance of Pro-Vitamin A Maize Hybrids. <i>International Journal of Agriculture Innovations and Research</i>. 6 (1) 2319-1473.</li> </ol>	

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	<p><b>Additional suggestions and comments</b></p> <p><b>Materials and Methods:</b> A brief description of the location of the trial could help since different environments may give different results. A table describing the 40 different genotypes with their sources and characteristics could also help especially as several workers have worked on this topic. Different genotypes under different conditions may respond differently.</p> <p><b>Other suggestions and comments are in the text.</b></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Language /English quality of the article is suitable for scholarly communications. However, there were few construction mistakes and corrections have been suggested</p>	
<p><b>Optional/General</b> comments</p>	<p>Some of the comments are in the text and comment section</p>	

**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>
<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>	

**Reviewer Details:**

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