

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_108142
Title of the Manuscript:	Assessment of Genetic Variability for Morpho-physiological and Yield Traits in Bread Wheat (<i>Triticum aestivum</i> L.)
Type of the Article	Original Research Article

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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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Article "Assessment of Genetic Variability for Morpho-physiological and Yield Traits in Bread Wheat (Triticum aestivum L.)" The article is a scientific research topic with practical value. Wheat (Triticum aestivum L.) is one of the most important staple crops in the world, serving as the main source of nutrition for a significant portion of the global population. This study identified significant genetic variation in wheat traits, highlighted traits with high heritability and genetic progress, and suggested that these traits could targeted to improve wheat breeding programs. 2. Article title "Assessment of Genetic Variability for Morpho-physiological and Yield Traits in Bread Wheat (Triticum aestivum L.)". The title of the article is clear, concise, and shows the goal and content of the article. 3. Summary of the article "Assessment of Genetic Variability for Morpho-physiological and Yield Traits in Bread Wheat (Triticum aestivum L.)". The summary article clearly describes the research method, the experimental setup and the research results are described in detail. The experiment estimated genetic variation parameters for 17 wheat traits, and the evaluation experiment was arranged in a randomized complete block design. The results are analyzed for variance with high reliability, the results are analyzed in detail. Significant levels of heritability, along with notable genetic progress, were observed in many different traits, including flag leaf area, followed by grain yield, biological yield, reduction canopy temperature (CTD), harvest index, , tillers per plant peduncle length, grains per spike, awn length, plant height, grain filling duration, spikelet per spike, spike length, and normalised difference vegetation index (NDVI) content 4. The article has a scientific layout, appropriate sections and subsections. Arrange sections and subsections related to each content of the article. Tables are arranged reasonably and clearly. The conclusion is consistent with the research results. References are appropriate to the article content. 5. Article "Assessment of Genetic Variability for Morpho-physiological and Yield Traits in Bread Wheat (Triticum aestivum L.)". Scientific article, good research overview, uses many references to write the article, good quality citations. Research methods are clear, Experiments are described in detail. Scientific monitoring parameters and calculation formulas used in the experiment ensure accuracy. Experimental results were analyzed and compared with ANOVA to increase reliability. The conclusion of the article is consistent with the content and research results achieved 6. The manuscript cites 22 references, the references are appropriate to the content of the article. References are of good quality, new references, and citations have clear origins. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Article are in English language, good English quality, easy to read articles, use accurate and scientific technical words</p>	
<p>Optional/General comments</p>	<p>Article "Assessment of Genetic Variability for Morpho-physiological and Yield Traits in Bread Wheat (Triticum aestivum L.)". The article has a good research overview, specific research objectives, and clear research content. Research methods are described in detail, clearly, and appropriately to carry out the proposed research content. The results are analyzed and discussed in detail, and the tables are arranged logically. Specific conclusions, consistent with research results References match the requirements of the article and are well updated</p>	

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PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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