

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_ IJECC _106529
Title of the Manuscript:	A STUDY ON ASSESSMENT OF VARIOUS VARIABILITY PARAMETERS AND CORRELATION OF QUANTITATIVE CHARECTERS IN MAIZE (Zea mays L.) INBRED LINES
Type of the Article	Research article

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://journalijecc.com/index.php/IJECC/editorial-policy>

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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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<ul style="list-style-type: none"> Millions of people depend on maize as a food source, animal feed, and raw material for industries. Additionally, maize is grown in over 170 countries producing 1147.7 million MT over 193.7 Mha at 5.75 t ha⁻¹ productivity (FAOSTAT, 2020). Yes, the title of the manuscript is suitable and appropriate enough. Yes, the abstract written is comprehensive. Yes, they are appropriate enough inscribing various significant aspects. The presentation of the Abstract, Introduction, Materials and Methods, Results and Discussion, and Conclusion are appreciable. The data have been concisely documented in tabular forms. ANOVA results displays genotypes were significantly different from each other except for Anthesis silking interval. The study has adopted Genetic variability estimations with the help of certain genetic parameters such as genotypic coefficient of variation (GCV), phenotypic coefficient of variation (PCV) and heritability. Also, enhancing grain yield includes grasping the correlated relationship between yield and its elements, as well as recognizing the nature of the connection between them. The references cited are adequate and recent enough. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<ul style="list-style-type: none"> Correct the spelling of Characters in the title. Abstract, last 6th line: in the breeding programme- add an article. The usage of the English language is appropriate and well suitable for scholarly communications. 	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> Excel 2010 was used to process the experimental data, while R-studio 3.5.0 was used to analyse it in Alpha lattice design. Overall, the manuscript has been succinctly authored and well executed with the related data and observations, that are documented in the tabular forms. 	

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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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