

## Review Form 1.6

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_91550
Title of the Manuscript:	GENETIC VARIABILITY, HERTABILITY, CORRELATION AND PATH ANALYSIS OF YIELD COMPONENT CHARACTERS IN RICE ( <i>Oryza sativa</i> L.) GENOTYPES
Type of the Article	Original 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://www.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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"> <li>• In the Title, write the correct spelling as “<b>Heritability</b>”. Make the necessary correction.</li> <li>• Introduction, correct article usage for the following:               <ul style="list-style-type: none"> <li>✚ 1<sup>st</sup> line- <b>the</b> family;</li> <li>✚ 4<sup>th</sup> line- <b>the</b> primary;</li> <li>✚ 6<sup>th</sup> line- <b>the</b> inflorescence;</li> <li>✚ Pg. no. 2 , 5<sup>th</sup> line- <b>the</b> second largest;</li> <li>✚ Pg. no.2, 8<sup>th</sup> line, parts of <b>the</b> world;</li> <li>✚ Introduction, last 2<sup>nd</sup> line- <b>the</b> total.</li> </ul> </li> <li>• Introduction, 4<sup>th</sup> line, add a hyphen, “<b>one-third</b>”; 8<sup>th</sup> line, <b>short-day</b>”.</li> <li>• Introduction, change the verb form: -6<sup>th</sup> line- rice <b>needs</b>”; 8<sup>th</sup> line-which <b>grows</b>”.</li> <li>• Introduction, 9<sup>th</sup> line, add a missing verb- “rice <b>is</b> grown”.</li> <li>• Pg. no. 2, 3<sup>rd</sup> line, fix the agreement mistake: “rainfed <b>conditions</b>”.; Rice is grown <b>in</b> different- use the preposition “in.”</li> <li>• Pg. no.2, 4<sup>th</sup> line, change the verb form, “China <b>has</b>”.; 4<sup>th</sup> line, change the capitalization: <b>China</b>. 8<sup>th</sup> line, remove the verb be &amp; write as only “<b>will double</b>”.</li> <li>• <b>Materials and Methods:</b> <ul style="list-style-type: none"> <li>▪ Rewrite the following sentence ; “<b>The</b> Current investigation is an effort that has been made towards assessing the amount of genetic variability, heritability, genetic advance, correlation and path analysis in the rice accessions. 4<sup>th</sup> line, change the verb form: “toward <b>assessing</b>”.</li> </ul> </li> <li>• In conclusion, in the last sentence, use the term “<b>characteristics</b>”, instead of characters.</li> </ul>	
<b>Optional/General</b> comments	<ul style="list-style-type: none"> <li>• In India rice covers more than 30 % of the total cultivated area and contributes more than 40 % of total food production. It is the world's longest domesticated grain (10,000 years) and the primary source of nutrition for 2.5 billion people.</li> <li>▪ The present investigation is an effort that has been made towards assessing the amount of genetic variability, heritability, genetic advance, correlation and path analysis in the rice accessions.</li> <li>• Thus, the study concludes that the characteristics such as biological yield, number of spikelets per panicle, panicle length and harvest index should be given prior consideration during selection for grain yield improvement in rice.</li> <li>▪ However, the research article is quite well written, Analysis of variance has been performed and the related data has been elegantly presented with a good number of tables of contents, genetic parameters represented through histograms, phenotypic &amp; genotypic correlation coefficient for yield and its related traits in 22 rice genotypes has been estimated, besides representation of Genotypical Path diagram for grain yield per hill for 13 Quantitative characters of rice genotypes.</li> </ul>	

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**PART 2:**

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<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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