

### Review Form 3

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_129542
Title of the Manuscript:	Correlation and path coefficient analysis study on Onion ( <i>Allium cepa</i> L.) for green foliage yield.
Type of the Article	

#### General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### PART 1: Comments

	Reviewer' s comment	Author' s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	<ul style="list-style-type: none"> <li>Comprehensive Scope: The study effectively investigates the genetic variability, correlation, and path coefficient analysis of onion varieties, providing valuable data for breeding programs.</li> <li>Well-Organized Structure: The article is divided into clear sections (Introduction, Material and Method, Results and Discussion, Conclusion), making it easy to follow.</li> <li>Detailed Statistical Analysis: Inclusion of tables for PCV, GCV, heritability, and correlation coefficients adds depth and clarity to the results.</li> <li>Relevant References: Cited works are appropriate and enhance the credibility of the study.</li> </ul>	○
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Correlation and Path Coefficient Analysis of Onion ( <i>Allium cepa</i> L.) for Green Foliage Yield	○
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	<b>Reduce the abstract to make it crisper and more comprehensible.</b>	
<b>Is the manuscript scientifically, correct? Please write here.</b>	Need to discuss more with recent relevant articles in discussion parts. Author must include correlation diagram	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Need to cite more recent articles	

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<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes</p>	
<p><b>Optional/General</b> comments</p>	<p><b>Suggestions and Corrections</b></p> <p><b>Abstract</b></p> <p>Line 4: The sentence "High magnitude of phenotypic coefficient of variance were observed..." could be rephrased for grammatical accuracy: "A high magnitude of phenotypic coefficient of variance was observed..."</p> <p>Line 12: Add units (if applicable) for better clarity in statistical figures.</p> <p><b>Introduction</b></p> <p>Paragraph 1, Line 2: Simplify the sentence "It is a monocot and belongs to the family Alliaceae..." to: "Onion (<i>Allium cepa</i> L.), a monocot of the family Alliaceae..."</p> <p>Paragraph 3, Line 4: Rephrase "India being considered as very good amount of genetic variation..." to: "India is considered rich in genetic variation for onion traits, which can be utilized in breeding programs."</p> <p><b>Materials and Methods</b></p> <p>Line 5: Specify the number of plants observed per replication for added transparency.</p> <p>Line 7: Align the citation "Panse and Sukhatme (1967)" with the text's reference format.</p> <p><b>Results and Discussion</b></p> <p>Section 3.1.1: Clarify abbreviations (e.g., PCV, GCV) at their first mention. Rephrase "High magnitude of phenotypic coefficient of variance (PCV) (&gt;20 %) were observed..." to "High magnitudes of phenotypic coefficient of variance (PCV) (&gt;20%) were observed for traits like green foliage yield..."</p> <p>Section 3.1.2: Provide detailed interpretation of low heritability traits and their practical implications in breeding.</p> <p>Section 3.2: Clearly differentiate between phenotypic and genotypic levels in explanations. Condense repetitive terms like "positive and significant association."</p> <p><b>Conclusion</b></p> <p>Summarize key findings in simpler terms for broader accessibility. Example: "Traits like green foliage yield per hectare showed significant genotypic correlations, highlighting their potential in future breeding programs."</p> <p><b>Tables</b></p> <p>Ensure all units are consistently reported across tables (e.g., cm, %).</p> <p>Add legends for abbreviations in tables to assist understanding.</p> <p><b>References</b></p> <p>Ensure consistency in referencing format (e.g., "Panse, V. G. and Sukhatme, P. V. (1967)" should match the journal's style guide).</p> <p><b>Graph and diagrammatic illustration</b></p> <p>Author must include correlation diagram.</p>	

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**PART 2:**

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

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