

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_111386
Title of the Manuscript:	PATH COEFFICIENT ANALYSIS STUDIES ON SEED YIELD AND SEED YIELD CONTRIBUTING CHARACTERS IN GREEN GRAM [Vigna radiata (L.) R. Wilczek]
Type of the 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> <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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1- The work is based on the application of a classical path coefficient technique, and the obtained results are in line with numerous previous studies, confirming the existence of similar trends for other leguminous plants. The author is encouraged to highlight their distinctive scientific contribution, both technically and in terms of research results and agronomic aspects.</p> <p>2- The title generally reflects the content of the text but needs to be reformulated. For example, my suggestion: Path Coefficient Analysis to Evaluate Seed Yield in Green Pastures: A Comprehensive Study.</p> <p>3- Yes</p> <p>4- The subsections follow the usual classical subdivisions. However, I suggest a minor restructuring as follows: 4.1 Introduction to Scientific and Agronomic Innovation Enhance the introduction by highlighting the significant innovation of this study on both scientific and agronomic fronts. Explain concisely how your work represents a major advancement in the field. 4.2 Importance of the Plant in Asian Agriculture Explore the significance of this plant in Asian agriculture in general, with a specific focus on its role in India. Provide relevant data such as cultivated area, annual yields, and examine its various uses in the food industry. 4.3 Conclusions and Practical Applications Further develop the conclusion by emphasizing the practical applications of your results in local agricultural contexts. Highlight the practical aspect and concrete implications of your findings. Additionally, outline the scientific and agricultural perspectives arising from this study, thereby offering a future vision of possible developments in this field. This restructuring aims to enhance clarity and emphasize the key points of each subsection. Feel free to adjust as needed for your specific work.</p> <p>5-The manuscript seamlessly aligns with the prevailing scientific rationale in the field. It demonstrates a rigorous adherence to established principles and methods, thereby making a positive contribution to the advancement of knowledge. Importantly, it does not harbor ideas that could compromise the integrity of science or lead to adverse consequences for the scientific community. The clarity of reasoning, robust methodology, and intellectual rigor evident in the manuscript underscore a commitment to ethical standards and best practices in scientific research. The absence of potentially detrimental elements enhances the credibility of the work, reinforcing its positive contribution to the advancement of knowledge in the respective field.</p> <p>6- It is customary to refer to certain works related to the history and origin of the plant, as well as specific techniques, such as the studies by Vavilov (1939) and Dewey and Lu (1959). However, it is not necessary to cite other works that are distant from the year 2023, considering that the article will be published in 2024. References are generally more relevant when they are recent, and it is recommended to primarily cite works published in the last four years. This ensures that the information is up-to-date and reflects the latest developments in the field.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1-The manuscript requires linguistic revision, primarily focusing on grammar and punctuation. A concrete example can be found in the "Materials and Methods" section, where three paragraphs are presented, each forming a single sentence with commas as the only means of punctuation. To enhance clarity and readability, it would be preferable to divide these paragraphs into distinct sentences, each featuring correct grammatical structure and appropriate punctuation. This approach will contribute to making the content more understandable for the reader and avoid</p>	

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	<p>potential confusion caused by overly complex sentence structures. Furthermore, it may be beneficial to review the entire manuscript to correct other grammatical errors and ensure linguistic consistency throughout the text. This process will guarantee the quality of scientific communication and enhance the credibility of your work.</p>	
Optional/General comments	<p>Reformulate the results from Table 1 into an alternative graphical representation, it is desirable to adopt a visual approach that enhances data comprehension. This shift from a tabular representation to a graphical one can bring additional clarity and enable a more intuitive interpretation of the results.</p> <p>Table 1 contains comparative data among the 72 samples, and a bar chart might be suitable for visualizing variations. If you intend to display the proportional distribution of genotypes, a pie chart could be more appropriate.</p> <p>In summary, redesigning the results from Table 1 into a graphical representation requires careful planning, the selection of an appropriate chart type, and attention to detail to ensure an effective and informative visual presentation of the data.</p>	

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>	

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