

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_102450
Title of the Manuscript:	Estimates of Genetic Variability, Correlation and Path analysis in Indian mustard [Brassica juncea (L.) Czern&Coss]
Type of the 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.journalijpss.com/index.php/IJPSS/editorial-policy>

Review Form 1.7

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"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<ol style="list-style-type: none"> Manuscript is very important for the scientific community in view of the economic importance, industrial and medicinal importance of the Indian Mustard and the need to breed for improved varieties with suitable traits to meet the demands of the market. The original title is suitable. Abstract is ok but a bit of introduction to the studies must be added. Other suggestions in text and comments have been made. Subsections and structure of the manuscript is appropriate. However, the results and discussions must be revised following authors quoted below and in the comments. There was no conclusion of the paper. Other suggestions have been made in text and comments section for appropriate action. The manuscript is scientifically correct subject to minor corrections and suggestions made. The references are sufficient but some are very old. Other relevant references have been suggested below especially literature on Genetic variability, Genotypic coefficient of variation, phenotypic coefficient of variation, genetic advance and genetic advance as percentage of mean. Their implications must be mentioned so that they could be used in the discussions. Additional suggestions are found in the text and comments section. <p>DevNidhiTiwari et al. 2019. Genetic Variability and Correlation Coefficients of Major Traits in Early Maturing Rice under Rainfed Lowland Environments of Nepal. Hindawi Advances in Agriculture Volume 2019, Article ID 5975901, 9 pages https://doi.org/10.1155/2019/5975901</p> <p>Ewool M. B. & Akromah R. 2017. Genetic Variability, Coefficient of Variance, Heritability and Genetic Advance of Pro-Vitamin A Maize Hybrids. International Journal of Agriculture Innovations and Research. 6 (1) 2319-1473.</p> <p>Additional suggestions and comments Please expand the introduction to include the medicinal and industrial importance of the Indian Mustard and stress the need for developing new improved varieties with high economic, industrial and medicinal values to justify your work. Indicate clearly your study objectives. Also include in your introduction expanded literature on Heritability, GCV, PCV, GAM, Path ways and their implications with references which will help you in the discussions.</p> <p>Materials and Methods: A brief description of the location of the trial could help since different environments may give different results. A table describing the 20 different Indian mustard lines with their sources could also help. Authors should include the method for calculating the Genotypic coefficient of variation, phenotypic coefficient of variation, genetic advance and genetic advance as percentage of mean for the sake of repeatability of the study. Please check references suggested above. A brief description of how the parameters were measured could also help for repeatability of the study..</p> <p>Other suggestions and comments are in the text.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>Language /English quality of the article is suitable for scholarly communications. However, there were few construction mistakes and corrections have been suggested</p>	
<p>Optional/General comments</p>	<p>Most of the comments are in the text and comment section</p>	

[Review Form 1.7](#)

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:

Name:	Manfred Bondzie Ewool
Department, University & Country	Ghana