

## Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_95459
Title of the Manuscript:	GENETIC VARIABILITY PARAMETERS AND CHARACTER ASSOCIATIONS AMONG YIELD ATTRIBUTING TRAITS IN ADVANCED BACKCROSS LINES OF GROUNDNUT
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> )

### 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><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Yes, the manuscript is important for scientific community.</b> Because, the study addresses a very important question in crop improvement. Indeed, the phenotype is a variance between genotype and environment as well as their interactions. Hence, knowledge of the correlation between the parameters of genetic variability and the attributes of yield in backcrossed lines is a necessity in order to determine the dominant component having influenced heritability and heterosis.</p> <p><b>The title of the article is suitable</b></p> <p><b>The abstract of the article is comprehensive but lacks keywords!</b></p> <p><b>Yes, subsections and structure of the manuscript are appropriate</b></p> <p><b>Yes, the manuscript is scientifically correct</b></p> <p><b>Author can read these references to complete the information:</b></p> <p>Sushmita Mandloi, M.K. Tripathi, Sushma Tiwari, and Niraj Tripathi 2022: Genetic diversity analysis among late leaf spot and rust resistant and susceptible germplasm in groundnut (<i>Arachis hypogaea</i> L.). Israel Journal of Plant Sciences. Volume 69: Issue 3-4 ; 163–171. DOI: <a href="https://doi.org/10.1163/22238980-bja10058">https://doi.org/10.1163/22238980-bja10058</a></p> <p>Shailja Chauhan, DL Savithamma and Sritama Kundu 2022: Genetic variability, heritability and genetic advance for yield and its related traits in BC1F1, BC1F2 and BC1F3 back cross generation of two crosses of groundnut (<i>Arachis hypogaea</i> L.). The Pharma Innovation Journal; 11(8): 314-320</p> <p>R. Prabhu, N. Manivannan, A. Mothilal, S. M. Ibrahim 2016: Genetic Variability Studies on Yield Attributes and Foliar Disease Resistance in Groundnut (<i>Arachis hypogaea</i> L.). Environment &amp; Ecology 34 (4B): 2077—2083.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	Yes	
<p><b>Optional/General</b> comments</p>	Apparently, the different conclusions after analyzes of variances were only carried on the set of 20 peanut lines under evaluation compared to the different parents without distinguishing them. Is there a reason for not having separated the averages according to each line? This should have been used to identify the best line(s) under evaluation!	

### PART 2:

	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><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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**Reviewer Details:**

Name:	<b>Georges Mupala Muyayabantu</b>
Department, University & Country	<b>University of Mbuji mayi, National Institute for the Study and Agronomic Research, Democratic Republic of Congo</b>