

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_98849
Title of the Manuscript:	Genetic variability and correlation studies in F6 and F7 families of groundnut derived from the cross GKVK-13 × KCG-2
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.journalijecc.com/index.php/IJECC/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"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Manuscript is very important for the scientific community in view of the fact that groundnut is a very important economic crop but has low genetic variability making breeding of new varieties difficult. More efforts are needed in the development of improved groundnut varieties. 2. The original title Genetic variability and correlation studies in F6 and F7 families of groundnut derived from the cross GKVK-13 x KCG-2 could be modified to Genetic Variability and Correlation Studies in Advance Families of Groundnut (<i>Arachis hypogaea</i> L) under Water Stress Conditions. However, it has been suggested that if the water stress was not imposed either naturally or artificially then under water stress conditions could be deleted and the water stress discussions could be left out entirely. 3. Abstract is ok but a bit of modification was suggested. Other suggestions in text and comments have been made. 4. Subsections and structure of the manuscript is appropriate. However, some aspects of the discussions have been suggested to be moved to the introduction. The discussions must be supported with references from other researchers. Other suggestions have been made in text and comments section for appropriate action. 5. The manuscript is scientifically correct subject to minor corrections and suggestions made. 6. The references are quite sufficient but other relevant references have been suggested below especially literature on Genetic variability, Heritability, Genotypic coefficient of variation, phenotypic coefficient of variation, genetic advance, genetic advance as percentage of mean and correlations. How these values were obtained must be indicated in the materials and methods. 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>Suggested references:</p> <p>Tiwari et al., 2019. Genetic Variability and Correlation Coefficients of Major Traits in Early Maturing Rice under Rainfed Lowland Environments of Nepal. <i>Hindawi Advances in Agriculture</i> Volume 2019, Article ID 5975901, 9 pages https://doi.org/10.1155/2019/5975901</p> <p>Kumar et al. 2019. Variability, heritability and genetic advance studies in French Marigold (<i>Tagetes patula</i> L). <i>Journal of Pharmacognosy and pytochemistry</i>. 8(5)1046-1048</p> <p>Kumar et al. 2013. Ewool M. B. & Akromah R. 2017. Genetic Variability, Coefficient of Variance, Heritability and Genetic Advance of Pro-Vitamin A Maize Hybrids. <i>International Journal of Agriculture Innovations and Research</i>. 6 (1) 2319-1473.</p> <p>Additional suggestions and comments</p> <p>Genetic variability and its components such as Heritability, GCV, PVC, GAM correlations etc must be well explained in the introduction and their implications indicated. This will be useful in the discussions.</p> <p>Materials and Methods: A brief description of the location of the trial could help since different</p>	

Review Form 1.7

	<p>environments may give different results. A table describing the different groundnut genotypes with their sources could also help especially in discussing the results. Weather/rainfall data for the study period must be provided especially if water stress was imposed.</p> <p>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.</p> <p>A brief description of how the parameters were measured could also help.</p> <p>Other suggestions and comments are in the text.</p>	
Minor REVISION comments	Language /English quality of the article is suitable for scholarly communications. However, there were few construction mistakes and corrections have been suggested	
1. Is language/English quality of the article suitable for scholarly communications?		
Optional/General comments	Most of the comments are in the text and comment section	

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)
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