

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_111204
Title of the Manuscript:	Estimates of genetic variability for yield and quality traits and scope of improvement in pumpkin (CucurbitamoschataDuch ex Poir)
Type of the Article	Original Research Article

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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The title of the work that was given to me for review is important as it focuses on various genetic traits for optimum yield of pumpkin.</p> <p>The title of this article is not well-organized. However, the title could be written as "Genetic estimations of available quality traits for improved growth yield of pumpkin (<i>Cucurbita moschata</i> Duch) in Kumarganj." – (i.e. if it is the study area/ location).</p> <p>The abstract of the article is not comprehensive. The abstract lacks proper methodology and most of the words/ sentences were either clustered together or not structurally aligned. The keywords under the abstract, should be properly written: -putting a space between the keywords and pumpkin, separating the scientific name clustered together and creating space between other words in the line.</p> <p>The subsections and structure of the manuscript can be termed appropriate if properly structured. For example, the Title, Abstract, Introduction, Materials and Methods, Statistical Analysis, Results, Discussion and Conclusion should be well-arranged. Furthermore, Table 1., which was found after conclusion, should be retrieved and kept under the section "Results".</p> <p>Yes. If all corrections pointed out in the manuscript are done; the manuscript can be said to be scientifically correct.</p> <p>Some of the references are recent but not sufficient. The following dates in the reference list should be reviewed: - 1952, 1955, 1985 and 2002. However, the reviewer has enumerated some corrections.</p> <p>The introduction is not comprehensive:</p> <ul style="list-style-type: none"> - There are no Plates/Photographs of the five commonly cultivated pumpkin in the manuscript submitted. - Equipment/instruments for observation of the quality traits were not mentioned in the manuscript. - Effects of genetically modified food on humans through food chain should be emphasized. - Transformation of heritable traits in soil should be included in the manuscript. <p>Materials and methods</p> <ul style="list-style-type: none"> -There should be description of study sites with map of India showing the sampling points. - Line 5, <i>Zaid</i> (2022), should be removed from italics. -Collection and preparation of pumpkin genotypes should be penned down. -Selection and identification of genotypic and phenotypic coefficients of variability should be included. - Determination of heritability was not mentioned. <p>Laboratory work</p> <ul style="list-style-type: none"> - Laboratory procedures were not properly highlighted. <p>Statistical Analysis</p> <ul style="list-style-type: none"> -The statistics used here is poor. The Analysis of variance conducted should be shown indicating the three replications as used in the manuscript. <p>Results</p> <p>Result to be presented should include the Standard acceptable range of these heritable traits.</p>	

Review Form 1.7

	<p>Discussion</p> <ul style="list-style-type: none">-The adoption of PCV over GCV of the Tables presented in the manuscripts were not properly discussed; though the highest or lowest PVC were highlighted.- The Tables were lacking in basic scientific unit of measurements.- The WHO standards or any other appropriate standards should be used to compare the results reported in the manuscripts. <p>References</p> <ul style="list-style-type: none">-1, Write as: Ahmad, G. & Khan, A. A. (2019) and write out the Journal name in full.-2, This should be written as: Cooperation and Farmers Welfare, Ministry of Agriculture (2021-2022). Annual report of Department of Agriculture India... Please, insert the page numbers- 3, This should be written as: Armesto, J., Rocchetti, G., Senizza, B., Pateiro, M., Barba, F. J., Domiguez, R., Lucini, L. & Lorenzo, J. M. (2020) ...Write out the Journal name in full and expunge the 2020 after int.- 4 This should be written as: - Burton, G. W. (1952). The date 1952 is outdated. Close the gap after the date. The title of the Journal is clustered. Do you mean "Quantitative inheritance in grasses?" Please, write out the Journal name in full.-5, This should be written as: Chaudhari, D. J., Acharya, R. R., Patel, J. N., Gohil, S. B. & Bhalala, K. C. (2017). The scientific name of the pumpkin should be written as: <i>Cucurbita moschata</i> Duch. Write out the Journal name in full.- 6, In reference 6, there are two dates (1955) which is outdated and (2018). There are also two titles; the first supposedly clustered together. Please, revisit and choose correctly. Write out the journal name in full.- 7, This should be written as: Kumar, V., Mishra, D. P., Yadav, G. C. & Dwivedi, D. K. (2017). Write out the journal name in full.- 8, Here, after the fourth author, insert &, before the last author. The date should be in bracket (2017). The scientific name should not be clustered. Write out the Journal name in full.- 9, The authors' names should be written as: Pandey, S., Singh, J., Upadhyay, A. K. & Ram, D. (2002). The title of the Journal is clustered. Write out the Journal name in full.- 10, The Scientific name should be properly spaced out. Furthermore, after the Journal name, there should be a space between 12 and the number in bracket 12 (1).- 11, The authors' names should be written as: Singh, M. K., Singh, V. B., Yadav, G. C. & Kumar, P. (2019). Moreover, the Scientific name should be spaced out and the Journal name written in full. Note the word heritability which appeared in the title, should be corrected to heritability; while (narrow sence) to (narrow sense).-12, Write out the authors' names as: Singh, R. K. & Chaudhary, B. D. (1985). Also, the first 'P' (indicating the page numbers) in capital letters.-13, The authors' names are clustered. Please, write out properly. Insert a space after the full stop in spices, and after ICAR. Please, indicate the page number/numbers.-14, Write out the authors' names correctly. The Scientific name should be properly spaced out. Write out the Journal name in full.	
--	--	--

Review Form 1.7

<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The English used in communication is not very suitable. It is not elaborate enough especially as used in the introduction, during explanation of results and discussion in the manuscript. For example, page 2, subheading "Introduction", line 2... (Armestoet. al.,2020) Line 6...Cucurbita should be in italics. Line 9...In India, it is grown in states like; it is more appropriate to write in States such as...The last three lines under introduction; please read through, I cannot comprehend. Furthermore, subheading "Materials and Methods", Line 2...NarendraAgrim. Line 7...qualitative traits including and quantity traits??? Line 12 to Line 15; please, explain? Page 3, subheading "Results and Discussion" line 1... Coefficient of variation is the genetic variability serves as the foundation- please, explain? Also, in Table 1, Expected Ga as % of mean???</p>	
<p>Optional/General comments</p>	<p>The manuscripts can be published after careful corrections are made. Some of the words were clustered together; give a space where necessary. A single result (Table 1) may not be enough for a research Journal. Furthermore, in the body of the work where authors names were either supposedly italicized or clustered; such names should be spaced out. In Table 1, page 5, the title of the Table does not reflect the true representation of the Table. Or if everything is stated, it is not well-structured. More so, unit of measurement were lacking.</p>	

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

Reviewer Details:

<p>Name:</p>	<p>Dike Nwanne Ijere</p>
<p>Department, University & Country</p>	<p>College of Arts, Science and Professional Studies, Nigeria</p>