

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_104799</b>
Title of the Manuscript:	<b>Estimates of heritability, genetic advance, yield and its quality traits in onion (<i>Allium cepa</i> L.) genotypes</b>
Type of the Article	<b>Original Research Article</b>

**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**

	<b>Reviewer's comment</b>	<b>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)</b>
<p><b><u>Compulsory</u></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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>The research "Estimates of heritability, genetic advancement, yield and quality traits in onion genotypes (<i>Allium cepa</i> L.)" is a relevant contribution to the field of agronomy, to the genetic improvement of onions. The study presents an analysis of several onion genotypes, identifying those with the best yield and quality characteristics, providing a solid basis for future onion breeding. The introduction is concise and presents the objective of the study clearly. The methodology is detailed and well structured, providing a clear view of the collection and analysis process of onion genotypes. The use of multiple metrics, including plant height, number of leaves, equatorial diameter, total soluble solids, dry matter, number of days to maturity and polar diameter, provides a complete assessment of genotypes and allows for robust comparisons between them. The results are presented in a clear and structured way, with a detailed analysis of the characteristics of each genotype. The preparations are in the results and the recommendations are relevant for onion breeding programs, with emphasis on the selection of the most promising genotypes and their use in hybridization programs. The survey is well written, with adequate technical language and a logical and coherent structure. Study sections are clearly defined, and content is presented clearly and concisely. The of the study is evident given the importance of onion as an agricultural crop and the continuing need to improve yield and quality traits.</p>	
<p><b><u>Minor</u></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>	<p>-----</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>-----</p>	

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**PART 2:**

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

**Reviewer Details:**

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