

## Review Form 1.6

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_84065
Title of the Manuscript:	Genetic Variability and Association Analysis in Chickpea ( <i>Cicer arietinum</i> L.) for Seed Yield Characters
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:

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**PART 1: Review Comments**

	<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>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p>The paper should be corrected very carefully especially according to language style. Some typos need to be corrected.</p> <p>The work is impressive, however, some points deserve to be clarified before publication. I recommend the publication with minor revisions as follows:</p> <p><b>General comments</b></p> <p>The present experiment was conducted at field experimentation centre of the Genetics...  The present experiment was conducted at the field experimentation center of the Genetics.  for biological yield per plant indicates large extent... for biological yield per plant indicating a large extent.  High heritability were recorded by plant height... High heritability was recorded by plant height.  plant height indicated that these characters.... plant height indicated that these characteristics.  effective due to accumulation of more additive genes leading... effective due to the accumulation of more additive genes leading.  correlations with number of seeds per plant.... correlations with a number of seeds per plant.  At phenotypic level, biological yield per plant and number of seeds per plant had high positive... At the phenotypic level, biological yield per plant and number of seeds per plant had a high positive.  This crop is vital part of our daily nourishment.... This crop is a vital part of our daily nourishment.  Mediterranean were predictable as primary centres of diversity... Mediterranean were predicted as primary centres of diversity.  on the other hand there has recently been substantiation... on the other hand, there has recently been substantiation.  pigeonpea, blackgram, and greengram.... Pigeon pea, black gram, and green gram.  selection based on yield component traits can result in a significant raise in yield... selection based on yield component traits can result in a significant rise in yield.  take full advantage of the yield prospective of chickpeas... take full advantage of the yield perspective of chickpeas.  yield per plant (gm) were predictable from random sample... yield per plant (gm) were predictable from a random sample.  statistical analysis to work out genotypic coefficient... statistical analysis to work out the genotypic coefficient.  Standard statistical manner was used for... The standard statistical manner was used for.  Hence, it indicated substantial amount of genetic.... Hence, it indicated a substantial amount of genetic.  all the characters indicative of that there was an influence of the environment. Highest GCV and PCV were recorded... all the characters indicative that there was an influence on the environment. The highest GCV and PCV were recorded.  PCV were observed for number of pods per plant... PCV were observed for a number of pods per plant.  PCV suggesting ample variability among these characters... PCV suggest ample variability among these characters.  the proportion of this genotypic variability which is transmitted... the proportion of this genotypic variability that is transmitted.</p>	

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	<p>broad sense heritability.... broad-sense heritability.          The traits considered moderate to high heritability ranging from... The traits considered moderate to high heritability ranged from.          per plant (62.400) and number of pods per plant (60.800).... per plant (62.400) and a number of pods per plant (60.800).          high heritability coupled with moderate genetic advance were observed... high heritability coupled with moderate genetic advances were observed.          cautious selection may direct towards progress of these traits in chickpea... cautious selection may direct towards the progress of these traits in chickpea.          due to addition of more additive genes leading... due to the addition of more additive genes leading.          during analysis of correlation between them.... during the analysis of the correlation between them.          its causative traits shown that the genotypic correlation... its causative traits showed that the genotypic correlation.          the association was mainly due to genetic factor (Bhattacharyya <i>et al.</i>, 2007).... the association was mainly due to genetic factors (Bhattacharyya <i>et al.</i>, 2007).          Days to 50% pod setting showed significant positive correlation with number of pods... Days to 50% pod setting showed a significant positive correlation with the number of pods.          non significant... non-significant.          Number of primary branches per plant showed positive significant... The number of primary branches per plant showed a positive significant.          It had significant negative correlation.... It had a significant negative correlation.          at both genotypic and phenotypic level.... at both genotypic and phenotypic levels.          phenotypic levels where as it showed significant negative correlation.... phenotypic levels whereas it showed significant negative correlation.          Vartika singh <i>et al.</i> (2017)... Vartika Singh <i>et al.</i> (2017).          effects contributing to seed yield was registered by... effects contributing to seed yield were registered by.          From the path study the characters biological yield per plant.... From the path study, the character's biological yield per plant.          Therefore, to improve the yield potential in chickpea the importance should be given to the selection based on these characters.... Therefore, to improve the yield potential in chickpeas importance should be given to the selection based on these characteristics.</p>	
<b>Optional/General</b> comments		

**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:**

Name:	<b>Soroush Soltani</b>
Department, University & Country	<b>Universiti Putra Malaysia, Malaysia</b>