

**Review Form 1.7**

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_115072</b>
Title of the Manuscript:	<b>Phenotypic Variation and Correlation Analysis of Chickpea Germplasm under Heavy Metal Stress at Seedling Stage</b>
Type of the Article	<b>Scientific research</b>

**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>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Yes</b></p> <p><b>No (Author must add at least number or % in their abstract)</b></p> <ul style="list-style-type: none"> <li><i>The author should improve figure 1 by adding a comparison between these seed types in order to highlight the genotypic effect in the parameters evaluated, the correlation result is justified at the time of presentation, which must be done in the discussion section. The author needs to completely revise his discussion, which emphasizes the genotypic rather than the phenotypic effect, as stated in the title.</i></li> <li><i>In addition, he does not compare the correlation results with previous work, even though this is a key element in this work.</i></li> <li><i>The author should emphasize the genotypic effect in the title and carry out additional analyses to highlight the heritability of stress resistance in different varieties. The phenotypic effect is not very noticeable.</i></li> <li><i>Author must add reference specially in the method process</i></li> <li><i>The author must add the method used to evaluate the phenotypic germination parameters measured</i></li> <li><i>The author must update his list of references as the most recent dates from 2019. 5 years later The can see : 1) Comparative Study of Growth, Cadmium Accumulation and Tolerance of Three Chickpea (Cicer arietinum L.) Cultivars</i></li> </ul>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p>the author has done a good job, which should lead to the selection of varieties tolerant to induced stress. however, the presentation of the results and their analysis detract from the scientific quality of this work. major improvements need to be made to the presentation of the varieties and the geographical coordinates of the study area, to reference these methods to previous work and, above all, to compare these results to others.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<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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