



SDI Review Form 1.6

Journal Name:	<a href="#">Journal of Agriculture and Ecology Research International</a>
Manuscript Number:	Ms_JAERI_49784
Title of the Manuscript:	Effects of Tin mine Tailings on the Growth and Development of Common Bean ( <i>Phaseolus Vulgaris</i> L.) in the Jos, Nigeria
Type of the Article	Original Research 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.

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**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><b>Compulsory</b> REVISION comments No compulsory revision comment.</p>	<p>This manuscript is scientifically robust and technically sound. The Topic, Abstract, Introduction, Materials and Methods, Results, 2 Tables, 5 Figures, Discussion, Conclusion and References are of acceptable standard. Some correction could however be effected to up-grade the write-up.</p>	
<p><b>Minor</b> REVISION comments</p>	<p>The following could be effected:</p> <ol style="list-style-type: none"> <li>1. Line 6: Word '<b>Vulgaris</b>' could start with small letter.</li> <li>2. Lines 11 to 13: <ul style="list-style-type: none"> <li>- <b>Study design:</b> The experiment was laid in a randomized complete block design (RCBD) with four treatments, two blocks and each block was replicated three times.</li> <li>- genotypes for all the different weeks after planting (WAP).</li> <li>- yield of common bean.</li> <li>- <b>Keywords:</b> <i>Tin mine tailings, growth, yield Phaseolus vulgaris L., accessions.</i></li> </ul> </li> <li>3. Line 21: Could delete 'on the'</li> <li>4. Line 40: <b>2. MATERIALS AND METHODS</b></li> <li>5. Line 42: season of 2014</li> <li>6. Line 44: randomized complete block design (RCBD).</li> <li>7. Line 47: each treatment combinations were replicated thrice.</li> <li>8. Line 52: 2 weeks after planting.</li> <li>9. Line 56: days to flowering initiation,</li> <li>10. Line 61: Could delete</li> <li>11. Line 62: <b>3. RESULTS</b></li> <li>12. Line 65: not significant (<math>P \geq 0.05</math>).</li> <li>13. Lines 70 to 71: Statement on 'interaction' is not clearly shown in Table1; word 'COMBINED' in Table 1 also were never mentioned nor Explained under the Materials and Methods. These could be clarified or omitted.</li> <li>14. In the heading and sub-heading in Table 1 – could put as – <ul style="list-style-type: none"> <li>- <b>weeks after plant (WAP) not Days after planting</b></li> <li>- <b>8 WAP</b></li> <li>- Plant height (cm)</li> </ul> </li> <li>15. Between Lines 73 and 79: In Figures 1, 2, 3 - <ul style="list-style-type: none"> <li>- X axis could be labeled – <b>Concentration of mine tailings</b> - (Figures 1,2, 3)</li> <li>- week week week could be changed to – <b>4 WAP 6 WAP 8 WAP</b> in ascending order – (Figures 1, 2, 3)</li> <li>- Could delete <b>Mean</b> – (Figures 1,2, 3); then</li> <li>- Y axis could be labeled – <b>Plant height (cm)</b> - (Figures 1)</li> <li>- Y axis could be labeled – <b>Number of leaves</b> - (Figures 2)</li> <li>- Y axis could be labeled – <b>Number of trifoliolate leaves</b> - (Figures 3)</li> <li>- Line 74 – could be put as –</li> <li>- <b>Figure 1. Changes in the plant height of <i>P. vulgaris</i> grown under different concentrations of mine tailings at 4, 6, and 8 weeks after planting (WAP)</b> (could repeat for Figures 2 and 3).</li> </ul> </li> <li>16. Between Lines 84 and 85: In Table 2. – Could change and put foot notes as - <ul style="list-style-type: none"> <li>- <b>Days to 50% podding to - Days to 50% pod production</b></li> <li>- Means followed by the same letter within the same column and treatment are not significantly different at 5% level of probability.</li> </ul> </li> </ol>	



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	<p>17. Line 86: Could change 'time' to 50 % flowering to - 'days' to 50 % flowering</p> <p>18. Line 88: Could delete 'd' to become - decrease with decrease in levels</p> <p>19. Between Lines 89 and 91: Could change and put in italics and Figure 4.(for consistency)-</p> <ul style="list-style-type: none"> <li>- <b>Days to 50 % 'Podding'</b> to <b>Days to 50 % 'pod production'</b>; <b>Days to 'flower' initiation</b></li> </ul> <p style="padding-left: 40px;">to <b>Days to 'flowering' initiation; (<i>Phaseolus vulgaris</i>) ; Figure 4.</b> not <b>Fig. 4</b></p> <p>20. Between Lines 95 and 96: In Figure 5. -</p> <ul style="list-style-type: none"> <li>- X axis could be labeled – <b>Concentration of mine tailings</b> - (Figures 5)</li> <li>- Y axis could be labeled – <b>Number of pods/plant or seeds/pod</b> -</li> </ul> <p>21. Line 98: 4. DISCUSSION</p> <p>22. In Lines 99, 102, 107, 100 – could change 'The result' to – 'The results'; 'decreased'</p> <ul style="list-style-type: none"> <li>- Line 103: These indicate; Line 104: the level or concentration of mine; These indicate ;</li> <li>- When taken in by plants can ;</li> </ul> <p>23. Lines 107 to 109: The two sentences could be omitted or checked (so as not to negate other findings). Line 110 – most of the characters assessed ; Line 111 – Earlier</p> <p>researchers[7, 14] ; Lines 113 to 114 – and reported that high concentration of lead affect</p> <p>Line 119 - Cranberry (G<sub>1</sub>) may be better to be cultivated in mine tailing environment because</p> <p>Line 152: Could delete 11.</p>	
<b>Optional/General</b> comments	This write-up could be up-graded as much as is possible.	

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

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