

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Chemical Sciences</b>
Manuscript Number:	<b>Ms_AJOCS_119534</b>
Title of the Manuscript:	<b>CHARACTERIZATION OF POLY-ORGANIC FERTILIZER FROM <i>Leucaena leucocephala</i> (Lam) de Wit (IPIL-IPIL) AND ITS APPLICATION IN A HOME-GROWN <i>Solanum lycopersicum</i> L. (TOMATO) SET-UP</b>
Type of the Article	<b>Research article</b>

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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><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <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><b><u>Minor</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>		
<p><b><u>Optional/General</u></b> comments</p>	<p>There are several grammatical errors and awkward phrasing throughout the document. A thorough proofreading is necessary.</p> <p>There is a lack of references to previous research on similar organic fertilizers or the use of Ipil-ipil in agriculture. A more thorough literature review would strengthen the foundation of the study.</p> <p>The methodology section lacks detail about the experimental setup. Information such as the number of replicates, specific conditions of the plant growth environment, and the duration of the study are crucial for reproducibility and understanding the study's robustness.</p> <p>The description of control measures to account for external variables affecting plant growth (e.g., light, water, temperature) is missing. These are important for ensuring the validity of the results.</p> <p>The results section presents data but lacks in-depth analysis and interpretation. For instance, the high phosphorus content across all treatments is mentioned but not explored in detail.</p> <p>The study finds significant differences in plant weight but no significant differences in fruit numbers. The discussion does not sufficiently address why these inconsistencies might occur or explore other factors that could influence these results.</p> <p>There is limited comparison of the study's findings with existing research. Highlighting how these results align or contrast with previous studies would provide a better context for understanding the significance of the findings.</p> <p>While ANOVA and Tukey's HSD tests are mentioned, the rationale for using these specific statistical methods is not explained. Additionally, the interpretation of these statistical results could be clearer.</p> <p>The conclusion makes broad claims about the benefits of Ipil-ipil fertilizer without sufficient evidence to back these claims</p> <p>While the conclusion mentions the potential benefits of the fertilizer, it does not provide specific recommendations for farmers or suggestions for practical applications based on the study's findings.</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:**

Name:	<b>A. Mohammed Ibrahim</b>
Department, University & Country	<b>The New College, India</b>