

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_114061</b>
Title of the Manuscript:	<b>Influence of organic manures and foliar application of Arka Citrus Special on the growth of buddlings of sweet orange</b>
Type of the Article	

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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</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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>		
<p><b>Minor</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><b>Optional/General</b> comments</p>	<p>the Manuscript, "Influence of organic manures and foliar application of Arka Citrus Special on the growth of buddlings of sweet Orange" addresses effects of organic manures and foliar application of Arka Citrus Special on the growth of sweet orange cv. Sathgudi buddlings. The study will be definitely interesting for the society, and needs to be published in Journal of Experimental Agriculture International after appropriate revision. The following remarks need to be addressed:</p> <ol style="list-style-type: none"> <li>The authors should update the literature on the effects of vermicompost addition and foliar application on plants – I think this aspect is little covered. See, for example, this: Eng. Proc. 2023, 57, 42. <a href="https://doi.org/10.3390/engproc2023057042">https://doi.org/10.3390/engproc2023057042</a></li> <li>Please add citations and references to your ideas in the following sentences: <ul style="list-style-type: none"> <li>- "Sathgudi is a commercially important sweet orange cultivar known for its medium-sized, spherical fruit with a smooth, orange peel. It has 10-12 segments, flavorful juice, and straw to orange-coloured flesh." <b>(add references about the commercial importance of the sweet orange cultivar)</b></li> <li>- "Micronutrients (Zn, Cu, Mn, B, Fe) play a vital role in plant metabolism." <b>(add references about the importance of micronutrients for plants)</b></li> <li>- "Foliar application of micronutrients, as opposed to soil application, is effective, quick, and avoids</li> </ul> </li> </ol>	

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	<p>toxicity issues." <b>(add references about foliar application)</b></p> <p>3. Add abbreviation IIHR (Indian Institute of Horticultural Research) "Arka Citrus Special," a foliar micronutrient formula, was created by IIHR, Bengaluru to address this issue."</p> <p>4. In the introduction the authors write "An experiment studied the growth of Sathgudi sweet orange buddlings using various organic manures combined with Arka Citrus Special to improve budding quality", I couldn't understand which experiment? Does it refer to an experiment from another manuscript or this manuscript? If it is another work, please add the reference. If you go to this work, it needs to be clear.</p> <p>5. In the material and methods section, the authors cite a period of time for plant cultivation, 'from November 2022 to April 2023'; however, at the end, from 'material and methods', another time period is cited 'October 2022. Micronutrient (Arka Citrus Special) foliar application every 15 days from November to January. ' Please clearly specify the plant cultivation time and analysis for the experiments.</p> <p>6. In results and discussions, "Vermicompost in potting soil provides abundant nutrients (nitrates, P, K, Ca, Mg) and humic substances, boosting photosynthate accumulation for improved seedling and juvenile, and leading to increased plant height', please add reference about the effect of vermicompost on increasing photosynthesis and plant growth.</p> <p>7. In results and discussions, 'The presence of sand and vermicompost in their potting mix was essential for plant performance and survival in external conditions. Vermicompost provides necessary nutrition, defence, and root potential', please add reference about the effect of vermicompost on the nutrition, defense, and root potential of plants.</p> <p>8. The same comment appears in the <b>Leaf area</b> and <b>Number of leaves</b> section, about improved nutrient availability in potting medium combinations. I suggest that the authors explain better about this better availability of nutrients for plants.</p> <p>9. In figures 1a and 1b, please, if you can, add clearer photos.</p> <p>10. I think, it is missing a conclusion taht needs to appear in the abstract. For example, "The best results were observed with a combination of 33% each of FYM, Vermicompost, and Neem cake, along with Arka Citrus Special, contributing to the better development of sweet Orange".</p> <p>11. How were the Statistical Evaluation? Analysis of variance? What was the method used? This needs to be clear in the text. "by adopting randomized block design (RBD) with 14 treatments and 3 replications."</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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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