

Review Form 3

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_129876
Title of the Manuscript:	Evaluation of the efficacy of three nutrient solutions for the hydroponic cultivation of tomato (Solanum Lycopersicum L.) in Côte d'Ivoire
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>
Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript has several reasons as to why it is of extreme importance to the scientific community. First, this study addresses one of the critical challenges in Côte d'Ivoire, particularly in low production of tomatoes, one of the strategic crops for food security and livelihoods. Thus, the current study provides solutions for increasing the yield of tomato, reducing dependence on land and improving sustainability. Further, the results provided useful information on soilless cultivation systems as a possible solution to broader agricultural development in regions suffering from land and environmental constraints. Results from this study may be useful to the researchers, policymakers, and on-site agricultural practitioners world-wide.	We thank the referee for demonstrating the relevance of our manuscript to the scientific community.
Is the title of the article suitable? (If not please suggest an alternative title)	The title is clear and self Explanatory	Thanks
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Overall, the abstract is complete but can be refined for brevity. It should mention the how it relates to the implications for food security and sustainability. Simplify by summarizing numerical results, such as "highest yield with Solution 3" rather than reporting exact values. Balance background, methodology, and conclusions to avoid overloading any single section. A revised version should focus on innovation, practical significance, and future applications while maintaining clarity and precision.	The comments have been taken into account in the abstract section.
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically accurate, but a thorough review of statistical methods and references is recommended for final validation.	Thank you for your suggestions. They have been taken into account in the manuscript.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references in the manuscript appear to be relevant and provide a solid foundation for the study. Suggestions for Improvement: 1. Add Recent Studies: Include studies from the past 5–7 years on hydroponic tomato cultivation, nutrient solutions, and sustainable agriculture to enhance the scientific validity of the discussion.	The suggestions have been taken into account in the manuscript.

Review Form 3

	<div>1. Search for articles in journals like <i>Horticulture Research</i>, <i>Scientia Horticulturae</i>, or <i>Agronomy for Sustainable Development</i>.</div> <div>2. Incorporate Reviews: Add review articles or meta-analyses on hydroponic techniques to provide a comprehensive backdrop for your study.</div> <div>3. Highlight Local Context: If available, add more recent studies conducted in West Africa or similar agro-climatic regions to align closely with Côte d'Ivoire's conditions.</div>	
Is the language/English quality of the article suitable for scholarly communications?	The language quality is suitable for scholarly communication but needs refinement for grammar, conciseness, and professional tone. Some sentences are verbose or awkwardly constructed, and minor grammatical errors are present. Suggestions include revising for clarity, eliminating repetition, and ensuring adherence to journal formatting guidelines. A thorough proofreading or professional editing service would enhance readability and alignment with academic standards. Let me know if you'd like a specific section polished.	The quality of the language has been reviewed.
Optional/General comments	<div>Strengths:</div> <div><div>1. The study addresses a relevant agricultural issue with significant implications for food security and sustainability in Côte d'Ivoire.</div><div>2. The experimental design is robust, with appropriate use of statistical analysis.</div><div>3. The results are clearly presented and supported by data, with practical recommendations for growers.</div></div> <div>Areas for Improvement:</div> <div><div>1. Language: The manuscript's language could be refined for conciseness, clarity, and grammatical accuracy.</div><div>2. References: Include more recent studies and reviews to strengthen the scientific foundation.</div><div>3. Abstract and Title: Simplify and focus these sections for better engagement and clarity.</div><div>4. Discussion: Broaden the implications of the findings and address potential limitations of the study.</div></div> <div>Impact:</div> <div><div>1. The study is highly relevant to researchers, policymakers, and practitioners in hydroponics and sustainable agriculture, especially in regions with similar challenges.</div></div> <div>Overall, the manuscript is scientifically sound but would benefit from minor revisions to enhance its quality and impact.</div>	Thank you for your various suggestions. They have been taken into account in the revised manuscript.

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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	