

Review Form 3

Journal Name:	Asian Journal of Soil Science and Plant Nutrition
Manuscript Number:	Ms_AJSSPN_128312
Title of the Manuscript:	Interaction effect of plant geometry and training methods on growth, yield and quality of tomato under semi-controlled poly-house conditions.
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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

[Review Form 3](#)

<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>	<p>This research paper titled “Interaction effect of plant geometry and training methods on growth, yield and quality of tomato under semi-controlled poly-house conditions.” Here’s a review of the key aspects of the paper:</p> <p>Strengths</p> <p>1. Relevance of Research:</p> <p>The study addresses practical agricultural concerns, specifically optimizing plant geometry and training methods to improve tomato production.</p> <p>It is relevant for growers in controlled environments, especially in high-altitude temperate regions.</p> <p>2. Well-defined Objectives:</p> <p>The experiment aims to investigate the effects of plant geometries and training systems on growth, yield, and quality, which is clearly stated.</p> <p>3. Methodology:</p> <p>The use of a randomized block design and four replications ensures reliable and statistically valid results.</p> <p>The selection of traits such as plant height, yield, and fruit quality aligns with the study's goals.</p> <p>4. Data Presentation:</p> <p>Results are presented in tabular form, making comparisons between treatments clear. Key findings, such as differences in plant height, yield per plant, and TSS, are well- highlighted.</p> <p>5. Conclusions and Recommendations:</p> <p>The study provides actionable recommendations for different objectives (e.g., higher yield vs. quality), making it useful for both research and commercial applications.</p> <p>Areas for Improvement</p> <p>1. Abstract:</p> <p>The abstract is detailed but could be more concise to enhance readability for quick comprehension.</p> <p>2. Introduction:</p> <p>While informative, the introduction could benefit from a clearer focus on how this study fills a gap in existing research.</p> <p>3. Methodological Clarity:</p> <p>Additional details on the semi-controlled polyhouse conditions (e.g., temperature, humidity) could help</p>	

Review Form 3

	<p>replicate the study.</p> <p>Justification for the choice of the specific variety, Shalimar Tomato-1, could be included.</p> <p>4. Results and Discussion:</p> <p>The discussion section should provide a more in-depth interpretation of the results, linking them more comprehensively to previous research.</p> <p>Some claims (e.g., the effect of plant density on specific gravity) could be better substantiated with additional references.</p> <p>5. Language and Formatting:</p> <p>Minor grammatical errors and formatting inconsistencies (e.g., spacing, alignment) need correction.</p> <p>References should follow a consistent citation format.</p> <p>6. Statistical Analysis:</p> <p>While ANOVA is mentioned, a more detailed explanation or representation of statistical significance (e.g., p-values) would strengthen the study.</p> <p>Suggestions for Future Research</p> <ul style="list-style-type: none"> • Examine the long-term impacts of these methods across multiple growing seasons. • Explore the economic feasibility of the recommended training and spacing systems. • Investigate the effect of these treatments on other tomato varieties or crops. 	
--	---	--

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Sunil Ogale
Department, University & Country	Vidya Pratishthan's A.S.C. College, India