

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_102102
Title of the Manuscript:	Effect of TA41 on growth, yield and fruit quality of Hybrid Cucumber (Cucumis sativus L.) under protected condition.
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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ul style="list-style-type: none"> ○ The commonly grown vegetables in India such as cucumber, pumpkin, and gourds are known to play an important role in India's farming contributing to about 6.5 million tons of cucurbits which is the highest in South Asia. ○ The Cucumber (<i>Cucumis sativus</i> L.) belongs to the family Cucurbitaceae is an annual plant species and is found to be day neutral, containing 0.4% protein, 2.5% carbohydrates, 1.5mg iron, and 2mg of vitamin C per 100g fresh weight, and has eventually emerged as the fourth important vegetable in the world. ○ Yes, the title of the manuscript is appropriate enough. ○ Yes, the abstract written is comprehensive. ○ Yes, they are appropriate enough illustrating the general sub-sections viz., Abstract, Introduction, Materials and Methods, Results and Discussion and Conclusion as well. ○ In addition, the statistical analysis has been well exemplified and the data has been documented as Tables in an eloquent manner. ○ Trichoderma spp. have effective antagonism and mycoparasitic actions on plant pathogens, allowing them to reduce the incidence of plant diseases, and the key mechanism for Trichoderma species is hyper parasitism opines the earlier reports. ○ Moreover, the study mentions that plant growth regulators can be applied to plants to help them grow faster, stronger and produce more fruit or vegetables. ○ The results of the investigation revealed that hybrid cucumber performed enormously well under protected conditions with respect to growth, earliness, yield, and quality parameters. ○ The references cited are adequate and recent enough. 	
<p>Minor REVISION comments</p>	<ul style="list-style-type: none"> ● Abstract, 3rd line: carried out from March to May 2022- Change preposition. ● Abstract, 7th & 9th lines: protected conditions- fix the agreement mistake. 	

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<p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<ul style="list-style-type: none"> • Abstract, 11th line: the highest values- add an article. • Introduction, 2nd paragraph, 2nd line: it is a monoecious- add an article. • Please maintain uniformity in spacing after each sub- heading. • Pg. no.2, 11th line: triggers defense activities- Correct the spelling. • Materials and methods, 3rd line: from March to May 2022. • Pg. no.3, Table 1: Concentrations- correct the spelling. <p>○ The usage of the English language is appropriate and well suitable for scholarly communications.</p>	
<p><u>Optional/General</u> comments</p>	<ul style="list-style-type: none"> • The Statistical analysis was performed by using the method of analysis of variance (ANOVA) by Fischer and Yates (1963) for the observations recorded. • The data recorded has been well exemplified in the tabular forms as “Treatment Details of Different Concentrations & Method To Apply Pgr (Ta41) On Cucumber and “Qualitative Parameters against different treatments”; “Fruit Length, Fruit Girth, TSS, Vitamin C and Juice Percentage against different treatments. • Overall, the manuscript has been succinctly written and well-presented with related statistical data that has been documented in the form of fine Tabular forms. 	

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

Reviewer Details:

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