

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_97199
Title of the Manuscript:	Effect of chitosan biopolymer on microbial decay in tomato (Solanum lycopersicum L.)
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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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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>	<p>1- Tomato is one of the most important foods for humanity. The post-harvest maintenance of food is configured as one of the objectives to be achieved in the sustainable development proposed by FAO in 2030.</p> <p>2- The title is short for the experiment that was performed. The proposal for the new title should include: the variety, the place, dose of chitosan, among others, to differentiate it from other studies.</p> <p>3- The abstract explains the experiment in a better way than the methodology.</p> <p>4- It is necessary to clarify the introduction for the purpose of this study. In the case of methodology, it is not clear how the room temperature was maintained. Furthermore, no statistically significant differences were shown in the tables. It is recommended to make a graph with the evolution in days and the different doses. In relation to the panel, it is not clear if they were previously trained and if sensory standards were used.</p> <p>5- I believe that the manuscript should clarify the methodology. A brief description is made but it does not provide any standardized information.</p> <p>6- I believe that there is a lot of recent information that was not incorporated. Similar studies it was performed by : El Ghaouth, A., Ponnampalam, R., Castaigne, F., & Arul, J. (1992). Chitosan coating to extend the storage life of tomatoes. <i>HortScience</i>, 27(9), 1016-1018. Bibliography to be used: - Attia, M. S., Osman, M. S., Mohamed, A. S., Mahgoub, H. A., Garada, M. O., Abdelmouty, E. S., & Abdel Latef, A. A. H. (2021). Impact of foliar application of chitosan dissolved in different organic acids on isozymes, protein patterns and physio-biochemical characteristics of tomato grown under salinity stress. <i>Plants</i>, 10(2), 388. - Rendina, N., Nuzzaci, M., Scopa, A., Cuypers, A., & Sofo, A. (2019). Chitosan-elicited defense responses in Cucumber mosaic virus (CMV)-infected tomato plants. <i>Journal of plant physiology</i>, 234, 9-17. - Meena, M., Pilia, S., Pal, A., Mandhania, S., Bhushan, B., Kumar, S., ... & Saharan, V. (2020). Cu-chitosan nano-net improves keeping quality of tomato by modulating physio-biochemical responses. <i>Scientific Reports</i>, 10(1), 1-11.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	1- It is necessary to review the manuscript so that the subjects of the sentences are not repetitive.	
Optional/General comments		

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:

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