

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_125982
Title of the Manuscript:	Influence of major abiotic factors on the population trend of Tetranychus urticae Koch on okra at Samastipur, Bihar
Type of the Article	

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The manuscript is significant as it explores the relationship between abiotic factors and the population dynamics of <i>Tetranychus urticae</i> on okra, a key vegetable crop. This work offers insights into how weather patterns influence pest behavior, which is vital for developing predictive models and sustainable pest management strategies. The study could aid in reducing reliance on chemical pesticides and enhance crop protection by considering environmental variables.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is appropriate as it clearly describes the focus of the manuscript on abiotic factors influencing the population trends of <i>Tetranychus urticae</i> on okra in a specific geographic region (Samastipur, Bihar). It accurately reflects the content of the study.	
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.	The abstract is comprehensive but could benefit from emphasizing the broader implications of the study. Specifically, I recommend adding a sentence on how these findings can contribute to integrated pest management (IPM) and sustainable agricultural practices. Suggestion for revision: "These results highlight the need to consider abiotic factors in the formulation of predictive pest models and integrated pest management strategies, reducing the dependency on chemical controls."	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript are generally well-organized. However, in the discussion section, the authors could more explicitly link the results to the broader field of pest management and sustainable agriculture.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript is scientifically robust and technically sound. The statistical methods used, such as correlation and regression analysis, are appropriate for the study objectives. The correlation between mite population and abiotic factors is well-explained, and the statistical significance is clearly presented. Note: As a reviewer, I would suggest adding more detailed discussions on the implications of the results for pest management under changing climate conditions.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	The references are relatively recent, but additional references could strengthen the manuscript. I suggest the author incorporate the following: Add the references as follows: <ul style="list-style-type: none"> • Tiwari, I. (2023). Journal of Biological Pharmaceutical And Chemical Research, 2023, 10 (1): 1-24. • Tiwari, I., Bhojiya, A.A., Prasad, R. et al. Putative Role of Anti-microbial Peptide Recovered from <i>Lactiplantibacillus</i> spp. in Biocontrol Activity. <i>Curr Microbiol</i> 81, 88 (2024). https://doi.org/10.1007/s00284-023-03586-5 • Tiwari, Madhu, Prem Yadav, and Om Kishor Singh, eds. <i>Environment and sustainable development</i>. Bharti Publications, 2023. 	

Review Form 3

Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language is mostly clear but would benefit from some refinement to improve flow and readability. For instance, phrases like "the population was gradually reduced" could be streamlined for clarity, such as "mite populations declined gradually after peaking in June."	
Optional/General comments	Your manuscript is scientifically sound and offers valuable insights into the influence of abiotic factors on <i>Tetranychus urticae</i> populations on okra. I suggest incorporating the following points: 1. Add a stronger emphasis on the practical applications of your findings for integrated pest management. 2. Include the suggested references to bolster your discussion. 3. Improve the clarity and flow of your text for better readability.	

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:	Ishan Tiwari
Department, University & Country	Amity University, India