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| Journal Name: | [Asian Journal of Research in Agriculture and Forestry](http://www.sciencedomain.org/journal/78) |
| Manuscript Number: | **Ms\_AJRAF\_140770** |
| Title of the Manuscript: | **A Review on Understanding the Influence of Climate Change on Agriculture and Insect Pest** |
| Type of the Article | **Review** |

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| PART 1: Comments | | | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | | | **Author’s Feedback** (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. A minimum of 3-4 sentences may be required for this part.** | **Forecasting the impact of climate change on agricultural pests is very important. The article provides a review of publications on this issue as applied to crop protection in India. Various aspects of changes in biology, seasonal development, and the harmfulness of agricultural pests under climate change are considered. Ways to improve approaches to pest management are outlined.** | | |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | I suggest: **Influence of Climate Change on Agriculture and Insect Pests**  **maybe, to add “in India”** | | |  |
| 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. | **I suggest excluding “climate change” from keywords, because it is in the title** | | |  |
| Is the manuscript scientifically, correct? Please write here. | Insects react differently to climate change depending on their lifestyle, feeding habits, and region. The disruption of the synchronicity of the seasonal development of phytophages with the food plant and entomophages is most evident in the temperate and boreal zones. If the authors are considering the agroecosystems of India, specifically rice fields, this should be indicated, and the seasonal course of temperature and precipitation in different parts of it should be briefly described. In the discussion and conclusions, indicate which ecological groups of pests tend to increase in harmfulness, and which, possibly, tend to decrease in harmfulness in a given region. | | |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Sources in the list of references must be formatted in the same way according to the journal's requirements  [**Panigrahi et al. 2023**] absent in the reference list  Bijay Subedi, Anju Poudel, Samikshya Aryal, The impact of climate change on insect pest biology and ecology: Implications for pest management strategies, crop production, and food security, Journal of Agriculture and Food Research, Volume 14, 2023, 100733, ISSN 2666-1543, <https://doi.org/10.1016/j.jafr.2023.100733>. – must start with “S”  Gyan Prakash Morya and Wajid Hasan 2023. Scenario of climate change impact on insect pests in India. International Journal of Agricultural and Applied Sciences, 4(1): 79-84. <https://doi.org/10.52804/ijaas2> – must start with “M”  Jönsson, A. M., Appelberg, G., Harding, S., & Bärring, L. (2009). Spatio‐temporal impact of climate change on the activity and voltinism of the spruce bark beetle, Ips typographus. *Global Change Biology*, *15*(2), 486-499. – must be “ö” in the text | | |  |
| Is the language/English quality of the article suitable for scholarly communications? | English must be improved | | |  |
| Optional/General comments | There are no references to all the figures in the text. They should be placed before the figure. Large sections of text do not end with references to the source.  Minor revision is necessary. | | |  |
| **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)* |  | |

**Reviewer details:**

**Valentyna Meshkova, Ukrainian Research Institute of Forestry and Forest Melioration, Ukraine**