

Name:	UTTAR PRADESH JOURNAL OF ZOOLOGY
Manuscript Number:	Ms_UPJOZ_4503
Title of the Manuscript:	Push-Pull Strategies and Habitat Manipulation for Sustainable Insect Pest Management in Crops
Type of the Article	Good

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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.		
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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		
Is the language/English quality of the article suitable for scholarly communications?		
<u>Optional/General</u> comments	<p>Abstract</p> <ol style="list-style-type: none"> 1. How can suitable companion plants for push-pull strategies and habitat manipulation be identified and optimized for specific crop-pest systems across diverse agroecological zones? 2. What are the socio-economic barriers and incentives for farmers to adopt push-pull strategies and habitat manipulation practices, especially in smallholder and resource-constrained farming systems? 3. How can push-pull strategies and habitat manipulation be effectively integrated into larger Integrated Pest Management (IPM) frameworks while maintaining compatibility with other pest control methods? <p>Introduction</p> <ol style="list-style-type: none"> 1. The figure title should be positioned below the image. 2. How can the push-pull strategy and habitat manipulation be optimized for specific pest-crop interactions in diverse agroecosystems to achieve effective and sustainable pest 	<p>Abstract: I will expand the abstract to thoroughly address companion plant selection criteria, socioeconomic considerations, and IPM integration frameworks. This will provide readers with clear methodological insights and implementation guidance.</p> <p>Introduction: I will reposition all figure titles below their respective images. The introduction will be strengthened with detailed analysis of pest-crop interactions and practical implementation strategies for resource-limited farming systems.</p> <p>Results and Discussion: Table 2 will be revised to include zero values where no population data exists. The discussion will be enhanced to address:</p> <ul style="list-style-type: none"> • Agroecological success factors • Participatory research

	<p>management?</p> <p>3.What are the major challenges in integrating push-pull strategies and habitat manipulation into current Integrated Pest Management (IPM) programs, particularly in resource-limited farming systems</p> <p>Result and discussion</p> <p>1.In Table 2, you should put zero if population is not found {(Wildflower Areas: Pollination Boost (%), Biodiversity Index, Carbon Storage (t/ha), ROI (%)}</p> <p>2. What are the key agroecological factors that determine the success of push-pull strategies and habitat manipulation in specific cropping systems?</p> <p>3. How can participatory and adaptive research approaches be effectively utilized to tailor these strategies to the socio-economic and ecological conditions of diverse farming communities?</p> <p>4. What are the major knowledge gaps and supply chain limitations that need to be addressed to scale up the adoption of push-pull strategies and habitat manipulation in agricultural landscapes?</p> <p>5. How can the integration of push-pull and habitat manipulation into existing IPM programs be optimized to achieve maximum pest suppression and yield improvement?</p> <p>6. What are the long-term ecological and economic impacts of push-pull strategies and habitat manipulation on biodiversity conservation and environmental resilience?</p>	<p>methodologies</p> <ul style="list-style-type: none"> • Supply chain considerations • IPM optimization strategies • Long-term ecological and economic impacts
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PART 2:

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