

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_122786
Title of the Manuscript:	Exploiting Induced Plant Resistance for Sustainable Pest Management: Mechanisms, Elicitors, and Applications-A Review.
Type of the Article	Review Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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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.	Plants and phytophagous arthropods have coevolved, leading to various defence mechanisms in plants. Despite this, optimizing these interactions for maximum crop yield remains challenging. Plants produce defensive chemicals either continuously or in response to damage, with induced resistance offering potential for reducing insecticide use. Chemical elicitors and genetic modification can enhance these defences, improving pest management and sustainability. Integrated pest management can leverage these strategies to develop crops that efficiently trigger defences, decreasing dependence on chemical pesticides.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Yes, some spelling mistakes were highlighted in manuscript.	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	This review delves into how various external factors, such as environmental conditions, agricultural practices, and interactions with other organisms, can bolster plant defences against insect pests. It demonstrates that these factors can significantly strengthen a plant's ability to resist pest attacks, even in the absence of the plant's own natural resistance mechanisms.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	Yes	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Description of tables in written is not there, Suggested.	
Optional/General comments	For the benefit of researcher, I thoroughly checked the entire manuscript and suggest some minor corrections in track change mode.	

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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>	We confirm that there are no ethical issues in this manuscript. All necessary approvals and consents were obtained, and the study adheres to ethical guidelines.

Reviewer Details:

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