

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_130248
Title of the Manuscript:	Harnessing Robotics for Enhanced Precision in Agriculture
Type of the Article	Review article

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript provides valuable insights into the evolving role of Unmanned Aerial Vehicles (UAVs) in agriculture, specifically their application in precision farming. By highlighting the integration of advanced sensors like RGB, multispectral, and hyper spectral cameras, the study underscores the potential of UAVs in detecting early signs of pest infestations and assessing crop health. The manuscript also emphasizes the importance of sophisticated navigation sensors, path planning algorithms, and control strategies that enable autonomous operation of these agricultural robots. This research is critical for advancing automation in agriculture, potentially improving crop yield, resource efficiency, and sustainability, thus contributing to the broader scientific community's understanding of precision agriculture technologies.	
Is the title of the article suitable? (If not please suggest an alternative title)	Advancing Precision Agriculture through UAV-Based Robotics and Smart Sensing Technologies	
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.	<p>The abstract provides a general overview of the use of UAVs in agriculture, but it could benefit from more clarity, better organization, and additional details to enhance its comprehensiveness.</p> <ol style="list-style-type: none"><li><b>Clarify sentence structure and remove redundancies:</b> Some sentences are unclear and repetitive. For instance, "falling under the within these vehicles consist of..." is confusing and should be revised.</li><li><b>Provide more specific information on the impact or potential of UAVs:</b> Including the benefits, such as improved efficiency, reduced labour costs, or enhanced pest detection accuracy, would make the abstract more informative.</li><li><b>Mention challenges or limitations:</b> Briefly addressing any limitations or challenges of UAVs in agricultural applications would offer a balanced perspective.</li></ol>	
Is the manuscript scientifically, correct? Please write here.	The manuscript contains many scientifically accurate points, but there are some issues with clarity, spelling, spacing, sentence structure.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	yes	
Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments		

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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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