

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Research in Agriculture and Forestry</a>
Manuscript Number:	Ms_AJRAF_124914
Title of the Manuscript:	Creation of a Robotic System for Weed Management in Greenhouse Cucumbers
Type of the 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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#### **Important Policies Regarding Peer Review**

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### Review Form 3

#### PART 1: Review Comments

<b>Compulsory</b> REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is important for the scientific community as it addresses a critical challenge in modern greenhouse agriculture: efficient weed management. The proposed robotic system offers a novel approach to automating weed control, reducing reliance on manual labor and herbicides, which is crucial for enhancing sustainability in agriculture. By focusing on creating a simple and affordable solution, the research highlights practical innovations that can benefit small to medium-scale greenhouse operations. While there were challenges in developing a robust detection system, the exploration of various techniques provides valuable insights for future advancements in agricultural automation.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Creation of a Robotic System for Weed Management in Greenhouse Cucumbers" is clear and accurately reflects the content of the research. However, I suggest that the revised title, "Automation in Agriculture: A Robotic Approach to Weed Control for Greenhouse Cucumber Cultivation," will have a greater impact. This version not only emphasizes the role of automation but also highlights the innovative, technological aspect of the research, making it more appealing to a broader audience.	
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 improved clarity and focus. Abstract need language improvement and have to use proper wording format.	
Are subsections and structure of the manuscript appropriate?	In its current form, the manuscript lacks a specific section for the Proposed Model or Proposed Architecture, which would help synthesize the information and provide a clear, forward-looking perspective. Additionally, the scope of the manuscript is too broad; refining and condensing the content would make it more concise and impactful.	
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 manuscript demonstrates scientific robustness and technical soundness by presenting a well-documented experimental process for developing a robotic system for weed management in greenhouse cucumbers. The research is grounded in practical challenges faced by greenhouse growers, and the proposed solution is based on real-world trials. The use of multiple detection techniques, such as plant shape and color, reflects a thorough approach to solving the problem, even though limitations were encountered. The manuscript effectively highlights both the successes and challenges of the system, which is valuable for further refinement and future research in agricultural automation.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references provided in the manuscript are valuable but could be strengthened by including more recent studies and reviews. Incorporating the latest research in the fields of robotic weed management and agricultural automation would enhance the manuscript's relevance and depth. I suggest the author include recent review articles and studies from the past 3-5 years to ensure the work reflects the current state of research in this rapidly evolving field.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language is generally clear but need more improvement in abstract, Introduction parts.	
Optional/General comments	The manuscript titled "Creation of a Robotic System for Weed Management in Greenhouse Cucumbers" requires language improvement to enhance clarity and readability. Additionally, it should focus on including only the most essential information, eliminating any redundant or overly detailed sections. Streamlining the content will help strengthen the overall impact of the paper.	

#### 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>	

#### Reviewer Details:

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