Review Form 3

Journal Name:	**Journal of Experimental Agriculture International**
Manuscript Number:	**Ms_JEAI_129595**
Title of the Manuscript:	**Development of a Robotic Weed Control System for Greenhouse**
Type of the Article	**Research**

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 study is a commendable attempt to address a significant challenge in greenhouse agriculture, particularly for cucumber cultivation. Designing a robot prototype tailored for weed control in sandy loam soil demonstrates practical problem-solving. The use of ultrasonic sensors for weed detection and a PIC18 F4550-E/P microcontroller board for processing indicates a well-thought-out integration of advanced technology.*	
Is the title of the article suitable? (If not please suggest an alternative title)	*Yes, Suitable*	
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 of the article provides a decent overview of the study, but it has some gaps that could be addressed to make it more comprehensive. The purpose of the study (robotic weed control in cucumber greenhouses) is clearly stated, highlighting the novelty of addressing a less-explored area. While the conclusion about the arm motor speed is mentioned, the abstract doesn't clearly summarize the overall performance of the robot, such as weed-cutting efficiency, success rate, or challenges encountered.*	
Is the manuscript scientifically, correct? Please write here.	*The study's systematic approach (54 experiments and testing multiple configurations) is well-documented, which indicates the depth of the research.*	
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	*Recommendations to Improve:* • *Include a brief statement of the robot's weed-cutting success rate or efficiency to give a quantitative result.* • *Clarify the practical applications or potential impact of the study in greenhouse agriculture.* • *Mention any significant challenges or limitations encountered in the design or testing phases.* • *Avoid excessive technical jargon unless its relevance to the study is explained concisely.*	

Review Form 3

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:

Name:	**Ranjit Barua**
Department, University & Country	**India**