

Review Form2

Book Name:	Current Research Progress in Agricultural Sciences
Manuscript Number:	Ms_BPR_2280
Title of the Manuscript:	APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN AGRICULTURE
Type of the Article	Book chapter

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 minimumof 3-4 sentences may be required for this part.	This manuscript discusses the important research area.	
Is the title of the article suitable? (If not please suggest an alternative title)	If the discussion is regional, the title could be refined to reflect that focus, such as: "An Overview of the Use of Artificial Intelligence Tools in Indian Agriculture." If the paper has a broader, international scope, a more appropriate title would be: "An Overview of the Use of Artificial Intelligence Tools in Agriculture." The authors should select the title based on the intended scope of their research.	
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 requires major revision and restructuring. The author could improve the abstract by providing a clear and precise methodology, summarizing the outputs in a logical sequence, and concluding with the main conclusions and recommendations.	
Are subsections and structure of the manuscript appropriate?	Yes, The manuscript currently lacks a detailed discussion summarizing the structure of the paper, which should be included at the end of the introduction. I recommend adding a paragraph that outlines the content of each section. For example, "Section 2 discusses [xyz], Section 3 addresses [xyz]," etc. This will help readers better understand the organization of the manuscript and the contributions made by the authors.	
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 minimumof 3-4 sentences may be required for this part.	The paper needs to clearly articulate the issues with existing works and specify the problem(s) that this paper aims to address. The authors should conduct a deep analysis of the gaps in current methods and emphasize the significance of their research.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Authros should add some recent references.	

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Minor REVISION comments	Yes	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	Keywords that are redundant with the title should be removed. The statement "Agricultural productivity levels are decreasing day by day" requires a citation. Additionally, statements such as "Due to high nitrate levels in drinking water, it can cause blood deterioration in the human body and abnormal methemoglobin production, which prevents oxygen release in the body," and "Too much sodium nitrate in freshwater can cause cancer and leukemia" also need proper citations. Similarly, the assertion that "Fertilizers, which are a mixture of chemicals absorbed by plants, cause toxins to pass from vegetables, grains, and water to food, leading to serious health problems due to a lack of clean drinking water" requires citation. Regarding the impact of climate change on agriculture and its implications for global food security, I suggest adding the following citations to support your arguments: "A Review of Precision Irrigation Water-Saving Technology under Changing Climate for Enhancing Water Use Efficiency, Crop Yield, and Environmental Footprints. Agriculture 2024, 14, 1141." "Plastic Pollution in Agriculture as a Threat to Food Security, the Ecosystem, and the Environment: An Overview. Agronomy 2024, 14, 548." The manuscript currently lacks a detailed discussion summarizing the structure of the paper, which should be included at the end of the introduction. I recommend adding a paragraph that outlines the content of each section. For example, "Section 2 discusses [xyz], Section 3 addresses [xyz]," etc. This will help readers better understand the organization of the manuscript and the contributions made by the authors. Lastly, the authors should consider including a new section discussing the future prospects and major challenges of AI in agriculture.	

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:

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