

Review Form 1.7

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_118496
Title of the Manuscript:	A review: Machine Learning Applications in Agriculture Industry
Type of the Article	Review Article

Review Form 1.7

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript is important for the scientific community as it provides a comprehensive review of machine learning applications and their predictive solutions in the agriculture industry. It highlights the significance of adopting machine learning models in modern agricultural practices to improve efficiency, productivity, and sustainability. The study covers various aspects, including crop analysis, weed identification, weather forecasting, and production level prediction, making it a valuable resource for researchers, agronomists, and stakeholders in the agricultural sector. 2. The title of the article, "Machine Learning Applications and Their Predictive Solutions in Agriculture," is suitable and accurately reflects the content and focus of the manuscript. 3. Yes, the abstract is comprehensive. It provides a concise overview of the study, highlighting the aim, key findings, and the importance of machine learning applications in the agriculture industry. 4. The subsections and structure of the manuscript are appropriate. The introduction section provides a comprehensive background and sets the context for the study. The subsequent sections cover important topics such as machine learning definitions, agricultural intelligence, market values, industrial revolution impact, farming directions, study findings, and a conclusion. The organization and flow of the sections are logical and coherent. 5. The manuscript appears to be scientifically correct based on the information provided. The authors have cited relevant and recent studies to support their claims and arguments. However, a more in-depth review by subject matter experts might be necessary to validate the scientific accuracy of the content thoroughly. 6. The references provided in the manuscript are sufficient and recent. Most of the cited works are from the last 2-3 years, indicating that the authors have consulted up-to-date literature in the field. However, here are a few additional references that could be relevant and strengthen the manuscript: <ul style="list-style-type: none"> - Kamilaris, A., & Prenafeta-Boldú, F. X. (2018). Deep learning in agriculture: A survey. Computers and Electronics in Agriculture, 147, 70-90. (This review paper provides a comprehensive overview of deep learning applications in agriculture.) - Liakos, K. G., Busato, P., Moshou, D., Pearson, S., & Bochtis, D. (2018). Machine learning in agriculture: A review. Sensors, 18(8), 2674. (This review paper covers various machine learning techniques and their applications in agriculture.) - Tzounis, A., Katsoulas, N., Bartzanas, T., & Kittas, C. (2017). Internet of Things in agriculture, recent advances and future challenges. Biosystems Engineering, 164, 31-48. (This paper discusses the integration of IoT in agriculture and its potential challenges.) 	
<p>Minor REVISION comments</p>		

Review Form 1.7

<p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, the language and English quality of the article are generally suitable for scholarly communication. The authors have maintained a formal and academic tone throughout the manuscript. The sentences are well-constructed, and the ideas are presented clearly and coherently.</p> <p>However, there are a few instances where the language could be improved:</p> <ol style="list-style-type: none"> 1. There are some minor grammatical and punctuation errors scattered throughout the text, which could be addressed through careful proofreading. 2. Some sentences are overly long and could benefit from being split into shorter, more concise statements for better readability. 3. There are a few instances of awkward phrasing or word choice that could be revised for better clarity and flow. 4. The use of acronyms and abbreviations is sometimes excessive, which may hinder readability for readers unfamiliar with the specific terminology. <p>Overall, while the language and English quality are suitable for scholarly communication, the manuscript would benefit from a thorough copyediting and proofreading process to address the minor issues mentioned above. Improving these aspects would enhance the overall quality and readability of the article, making it more accessible to a wider academic audience.</p>	
<p><u>Optional/General</u> comments</p>	<p>Overall, the manuscript provides a valuable contribution to the field of machine learning applications in agriculture and could be considered for publication after addressing any potential concerns or suggestions from peer reviewers.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

<p>Name:</p>	<p>Chavula Petros</p>
<p>Department, University & Country</p>	<p>Haramaya University, Ehtiopia</p>