Review Form 1.6

Journal Name:	**Asian Journal of Research in Computer Science**
Manuscript Number:	**Ms_AJRCOS_83334**
Title of the Manuscript:	**Deep Learning in Agriculture: A Review**
Type of the Article	**Review Article**

Date: 05/02/2022

General guideline for 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.
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Review Form 1.6

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)*
Compulsory REVISION comments	Deep learning (DL) as *main objective of the article* is very actual, because this type of analyzing is regarding to be applied to agricultural production mainly within the yield prediction, weed detection, and disease detection. The article analyzes the DL algorithms/models based on the many sides of scientific references and their scientific results, which can confirm the exact declarations, created new opportunities for revealing, quantifying, and understanding data-intensive workflows in agricultural operating contexts. The general *research method* followed main objectives of the review from main goals of researches till final conclusions. The research method is very quiet and logical, well understood. Also, the analyses for comparing results coming from different research periods are very clear. When the author overviewed the process of the research from point of view of the interest of the agricultural production, he/she focused on the final step as *Quality Assessment* as it can be followed in the Figure-2. The author worked out a *deep scientific research* based on the many references, long time-length including some time periods accompanying with classifying features of different plants by processing data in order to improve the production processes and technology specialized for each kind of plant. The author discussed different learning models and how it works as well as its accuracy. The author has main aim to find out how he/she can improve performance – for interest of the best successful agricultural production - and provide accurate yield estimation using different DL methods from many-many one focusing on each kind of plants. Also, the author follows the *control of pests and diseases outdoors* (on arable land) and in greenhouses is among the most important issues in agriculture. Therefore, the scientific knowledge and results in this article of the author can help agricultural producers and farmers to choose the best production technology from its different options for different features of different plants. *My opinion* is that this is the main essence of the article, which is the main reason, why this article should be published. This article – after this will be published – can contribute to more successful and efficient, productive agricultural production. This article can increase the *qualified knowledge* of farmers additionally to important *technological improvement* and consumption of the fixed capital in the agricultural production. Also, I agreed with author on that concept of DL can contribute to more sustainable agriculture and safer food production.	
Minor REVISION comments	Deep learning (DL) as *main objective of the article* is very actual, because this type of analyzing is regarding to be applied to agricultural production mainly within the yield prediction, weed detection, and disease detection. When the author overviewed the process of the research from point of view of the interest of the agricultural production, he/she focused on the final step as *Quality Assessment* as it can be followed in the Figure-2. The author worked out a *deep scientific research* based on the many references, long time-length including some time periods accompanying with classifying features of different plants by processing data in order to improve the production processes and technology specialized for each kind of plant. This article can increase the *qualified knowledge* of farmers additionally to important *technological improvement* and consumption of the fixed capital in the agricultural production. *My opinion is* that this is the main essence of the article, which is the main reason, why this article should be published. This article – after this will be published – can contribute to more successful and efficient, productive agricultural production. Also, I agreed with author on that concept of DL can contribute to more sustainable agriculture and safer food production.	

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Optional/General comments	This article can increase the *qualified knowledge* of farmers additionally to important *technological improvement* and consumption of the fixed capital in the agricultural production. *My opinion* is that this is the main essence of the article, which is the main reason, why this article should be published. This article – after this will be published – can contribute to more successful and efficient, productive agricultural production. Also, I agreed with author on that concept of DL can contribute to more sustainable agriculture and safer food production. ***I suggest that this article is to be published.***	

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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