

Review Form 1.7

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_98136
Title of the Manuscript:	Research and development of invasive plant recognition system based on deep learning
Type of the Article	Method Article

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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljamcs.com/index.php/JAMCS/editorial-policy>)

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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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes. The fact that deep learning which is a new technology is was used make the work interesting. No. Development of invasive plant recognition system based on deep learning</p> <p>Okay.</p> <p>Yes.</p> <p>Yes</p> <p>No. 1. Fathi Kazerouni, M., Mohammed Saeed, N.T., & Kuhnert, K. (2019). Fully-automatic natural plant recognition system using deep neural network for dynamic outdoor environments. <i>SN Applied Sciences</i>, 1. 2. Saleem, M.H., Potgieter, J., & Arif, K.M. (2021). Automation in Agriculture by Machine and Deep Learning Techniques: A Review of Recent Developments. <i>Precision Agriculture</i>, 22, 2053 - 2091. 3. Blesslin Elizabeth, C.P., & Baulkani, S. (2022). A COLOR SPACE BLENDING WITH DEEP LEARNING NETWORKS IN THE IDENTIFICATION OF PLANT LEAVES. <i>PLANT ARCHIVES</i>.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>In the Abstract: The statement: "The mobile client, server, and deep learning-based invasive plant recognition model for APP are all included in this study." Should be recast. The word, "APP" is hindering the follow of the reading. What is the full meaning of APP? It should be included in the abstract. Keywords: Add: alien plant</p> <ol style="list-style-type: none"> On page 1: 5rely should be replaced with rely. On page 2: There was a repetition of the following sentences: "CNN were created with the purpose of classifying images. Software like Flora Incognita or Plannet, which can name a species to plant images, are examples of plant recognition. Such a Network automatically pulls contextual elements from a dataset of photos, learns which of these features (for example, leaf shapes or attributes of the flowers), and then categorizes each image based on observations. The self-learning capability of CNNs is a huge advantage in terms of processing power and automation, as no feature engineering procedure is necessary, given the variety of approaches and scales for representing backgrounds." On page 3: Mobile should be fully spelt i.e. Mobile. In Figure 1, the follow of information within the Mobile client section should be clearly specified by the use of arrows, In the same vein, the CNN section arrow should be used to show the follow of information. General the figures and the tables should be centralized especially the figures and Table titles. On page 5, equation (1) should be well positioned as well as centralized. The equation label should be horizontally placed with the equation. On page 6, equations (2) and (3) should be well positioned as well as centralized. The equation labels should be horizontally placed with the equation. Again, equations (2) and (3) were not cited in the body of the manuscript. On page 6, Figure 4 was mentioned but does not exist on the manuscript. On page 7, the word "the " in "the connecting layer's ..." should be capitalized because it is the beginning of a new sentence. On page 14: The following labelling 9-(a), 9-(b), 9-(c), should be corrected and be replaced with Figure 8-(a), Figure 8-(b) and Figure 8-(c) respectively. Referencing. Reference number [12] was noted cited in the body of the work so it should be detached. The DOI referencing of each paper that has it should be included. 	

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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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