

Review of: "Enhancing Cocoa Crop Resilience in Ghana: The Application of Convolutional Neural Networks for Early Detection of Disease and Pest Infestations"

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Potential competing interests: No potential competing interests to declare.

The paper investigates the automatic detection of disease and pest infestation in cocoa crops in Ghana using the application of convolutional neural networks (CNNs). Although the topic is of great practical significance, the article presents many issues that make it unsuitable for publication in its current form. Some comments are as follows.

From the title, it is difficult to notice that it is a review paper. It would be better to refine the title to match the content of the work.

The abstract currently lacks clarity in conveying the study's aims, motivation, and findings. In order to enhance understanding, I suggest a more explicit articulation of these elements. This includes a succinct presentation of the study's specific objectives, the underlying motivation driving the research, and a concise summary of key findings. By refining these aspects, the abstract will more effectively communicate the essence and significance of the study.

What methodology was used for article collection? For example, what keywords were used? What criteria were used for study selection?

What types of CNN models are most used? How were they designed?

Sections and subsections of the manuscript should be carefully refined and reorganized.

What are the particularities of this study?

"This phase is where the magic happens" I do not think that such sentences are appropriate in academic writing.

What does the author mean by "real-time detection"? How does the author evaluate this? Have there been some analyses of the inference time of the developed methods?

Please avoid contractions in formal writing ("They're," "It's").

Why would the conclusion come before recommendations and limitations?

The recommendations do not seem to be directly related to the summarized challenges. Generally, recommendations are seen as prospective strategies to address existing challenges.

It would be better to provide some subtitles for the contents within the sections, which will make the understanding of the

key message of every part much easier.