

Optimize Agriculture using Artificial Intelligence

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Peer Review by Lav Mehta

Hailing from an agriculture centric country India, ranking second worldwide in farm outputs, this topic of optimizing agriculture is of keen interest to me. Any sustainable approach taken to solve one agriculture related problems can benefit millions of Farmers around the globe.

In this Abstract, Author clearly mentions the challenges faced by the spread of crop related disease and proposes an artificial intelligence based approach to solve this problem, thereby holding the actuality of topic. Moreover, he also highlights the technical aspects visually by explaining the crop disease detection approach and providing a Convolutional Neural Network architecture for the same.

The dataset chosen to address the problem statement contains ample amount of images as claimed by the Author.

Abstract Review: 5 Highest points 1 Lowest.

Depth and Clarity of the Content

5	4	3	2	1
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Reproducibility

5	4	3	2	1
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Technicality

5	4	3	2	1
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Solving a bigger Problem

5	4	3	2	1
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Minor Revision: (17/20) Points

Certain claims made in the Abstract needs some references to support those claims, one such example is “*This has not only an impact on the economy itself, but also influences the security of food supply.*” Some numbers / Facts / references could strengthen the claim that the crop related disease leads to the shortage of food supply.

Use of word “*crop leaf diseases*” in Conclusion part is ambiguous.

Conclusion must address the Title of the Abstract. Hint: how does detecting a diseased crop optimize agriculture?