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

Alfonso Antolínez García[1]

1 Universidad Politécnica de Madrid

Potential competing interests: No potential competing interests to declare.

The article titled "Enhancing Cocoa Crop Resilience in Ghana: The Application of Convolutional Neural Networks for Early Detection of Disease and Pest Infestations" explores the revolutionary integration of Artificial Intelligence (AI), specifically Convolutional Neural Networks (CNNs), in combating cocoa disease and pest infestations in Ghana. The study emphasizes the transformative impact of AI on cocoa farming, a critical sector in Ghana's economy and the global chocolate supply chain. By leveraging CNNs, the research aims to offer a more efficient and precise solution for disease and pest detection, thereby enhancing productivity and sustainability in cocoa farming. However, despite the scientific interest in the subject and the extensive bibliography provided, the article falls short in delivering practical insights and implementations. The title promises a practical study, but upon reading, it becomes evident that the article primarily reviews literature and advances in CNN technology. Therefore, a comprehensive revision of the content and title is recommended to align with the intended focus on practical applications and to include tangible results or implementations to add value to the text. Additionally, the article should strive to present complex concepts in a more accessible manner and offer clear explanations to enhance understanding. By addressing these recommendations, the article can better fulfill its potential in contributing to the field of precision agriculture and technological innovation in cocoa farming.