

Journal Name:	Asian Journal of Plant and Soil Sciences
Manuscript Number:	Ms_AJOPSS_12606
Title of the Manuscript:	Contributions of digital in modern plant pathology in Africa
Type of the Article	Review Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript is highly significant for the scientific community as it highlights the growing role of digital technologies in advancing plant disease diagnostics and agricultural practices in Sub-Saharan Africa. By demonstrating the integration of machine learning, artificial intelligence, and mobile technologies, it opens up new avenues for efficient data analysis, real-time disease management, and precision agriculture. Overall, this work contributes valuable insights into how modern technological tools can be leveraged to address longstanding agricultural challenges in resource-constrained settings, fostering a deeper understanding of their role in sustainable development	
Is the title of the article suitable? (If not please suggest an alternative title)	Revolutionizing Plant Pathology in Africa with Digital Technologies	

<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract provides a solid overview of the key themes of the article, highlighting the role of digital technologies in plant disease diagnostics, agricultural management, and food security in Sub-Saharan Africa. However, a few suggestions can enhance the clarity and comprehensiveness of the abstract.</p> <ol style="list-style-type: none">1. The abstract could better connect how digital technologies specifically improve plant disease diagnostics beyond just the use of photography. For example, mention how machine learning algorithms analyze disease symptoms in images or how AI models predict disease outbreaks based on environmental data. This would provide a clearer link to the central theme of plant pathology.2. While the abstract mentions the processing of large datasets with AI and machine learning, it could provide a brief example of how this has been applied in practice (e.g., disease prediction models, data-driven recommendations). This would give readers a better understanding of the practical applications of digital tools.3. While the abstract does mention the role of mobile technology in providing information to farmers, it could be more specific about how this information impacts farmers' daily practices. For example, you could mention how mobile apps help farmers make decisions about pesticide use, irrigation, or crop selection, which directly affects productivity and food security	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>Overall, the manuscript is scientifically sound and aligns with current trends in agricultural research and plant pathology. It accurately describes the applications of digital technologies in plant disease diagnostics, precision agriculture, and rural development in Sub-Saharan Africa. The integration of mobile technology, AI, and machine learning into agricultural practices has been shown to improve productivity, increase food security, and reduce the impact of plant diseases and pests.</p>	

	Thus, the manuscript is consistent with established scientific knowledge and emerging trends in the field.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Sufficient but reseach paper has references till 2022.	
Is the language/English quality of the article suitable for scholarly communications?	Good	
<u>Optional/General</u> comments	The use of digital technologies to enhance data analysis methodologies presents a huge opportunity for African plant pathology research. his contains details about managing livestock, access to finance facilities, market availability and produce pricing, precision farming and irrigation, pest and disease control, and extension services.	

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>	

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