

Review Form 3

Journal Name:	Asian Journal of Research in Infectious Diseases
Manuscript Number:	Ms_AJRID_125996
Title of the Manuscript:	Importance of using Artificial Intelligence in Microbial Diagnostics
Type of the Article	

PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript highlights the growing significance of AI in microbial diagnostics, focusing on its potential to enhance diagnostic accuracy and efficiency. The manuscript is particularly relevant given the increasing reliance on AI to address medical challenges like antimicrobial resistance. I appreciate the well-researched content and the practical insights into AI's advantages and limitations in this field. However, I will suggest including more case studies or specific examples demonstrating the practical implementation of AI in microbial diagnostics.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title is suitable. It accurately reflects the content of the manuscript. However, an alternative title could be: "Exploring the Role of Artificial Intelligence in Revolutionizing Microbial Diagnostics."	
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.	The abstract is comprehensive but could benefit from more emphasis on specific findings or key conclusions drawn from the manuscript. The current abstract feels more like an introduction to the topic rather than a summary of the study's key points. I suggest including the highlights of specific contributions of AI in diagnostics as discussed in the manuscript.	
Are subsections and structure of the manuscript appropriate?	The subsections are well-organized and the structure is appropriate. Each section transitions smoothly to the next, maintaining a logical flow.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript is scientifically robust and technically sound. The authors have provided a well-rounded discussion of both the benefits and drawbacks of AI in microbial diagnostics, backed by relevant references. The inclusion of AI's role in pathogen detection and drug susceptibility testing, along with its potential in future healthcare, makes the manuscript comprehensive. The limitations of AI systems and the challenges in implementation are also clearly addressed, which adds to the manuscript's objectivity.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are mostly recent and relevant.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, the language is generally clear and concise, but there are minor grammatical issues that could be improved. I recommend a thorough proofreading to ensure smooth readability.	
Optional/General comments	It would be beneficial to provide more insights on how AI can be integrated into existing diagnostic workflows in healthcare systems and its impact. No plagiarism was detected. No competing interest issues have been identified in this manuscript. No ethical issues have been identified in this manuscript.	

PART 2:

	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)
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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