

Review Form 3

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_124294
Title of the Manuscript:	Mathematical Model for Antimicrobial Resistance Transmission Dynamics in Hospitals.
Type of the Article	Original Research 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.	Antimicrobial resistance (AMR) transmission dynamics are important for the scientific community. By studying the dynamics of AMR, it is easier to understand how resistant strains of bacteria, viruses, and fungi spread within populations, across environments, and between hosts. This knowledge is essential for developing effective intervention strategies that pose a significant threat to global health. Understanding its transmission can help inform public health policies, guide infection control measures, and reduce the incidence of resistant infections. I like this manuscript because AMR is a pressing global health issue, and research in this area is crucial for addressing current and future challenges. Understanding AMR transmission dynamics can lead to actionable insights that directly impact health policies and practices, contributing to better patient outcomes.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes. The title of the article is suitable.	
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.	Yes. The abstract of the article is comprehensive.	
Are subsections and structure of the manuscript appropriate?	Yes. The subsections and structure of the manuscript are appropriate.	
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.	This manuscript presents new strategies or interventions that can help mitigate AMR, offering hope and direction for future research and policy. Engaging with this research can inspire collaboration across disciplines, fostering a community of scientists and practitioners working together to tackle AMR. The manuscript can serve as a valuable resource for raising awareness about AMR and helping to educate others on its significance and the need for action. Python in numerical simulation has also made this a robust paper.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	May include some of the latest papers for the reference section.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes. The English language quality of the article is suitable for scholarly communications.	
<u>Optional/General</u> comments	The conclusion part may improve. Some more details should be included.	

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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