

Review Form 3

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_129938
Title of the Manuscript:	A MODEL STUDY OF THE IMPACT OF ENLIGHTENMENT RATE ON THE SPREAD OF TYPHOID FEVER
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	<ol style="list-style-type: none"> 1. Support important model assumptions with biological evidences. Also state if the model is a new one or a modification of an existing model. 2. What is the biological significance of the Basic reproduction number, as it regards to dengue control? 3. The Conclusion should be greatly improved and must capture important findings from the study. 4. In the Results section: How do the authors justify the behaviors of the figures for the considered model? 5. At the end of some equations, the commas or dots are missing as per typing rule, so check and correct. 	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
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 should contain answers to the following questions: Why is this particular study important? What are the important results from this study different from others? What conclusions can be drawn from the results in this study?	
Is the manuscript scientifically, correct? Please write here.	yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The literature review of epidemic models in this direction is too weak and must be improved meticulously, since there are many works in this direction. I advise the authors to check some recent papers with useful approach for analysis useful, such as: https://doi.org/10.1504/IJMMNO.2023.134156 https://doi.org/10.1051/ro/2024147 https://doi.org/10.1007/978-981-16-6018-4_2 and so on...	
Is the language/English quality of the article suitable for scholarly communications?	yes	
<u>Optional/General</u> comments	Accept with revisions	

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>	

Reviewer Details:

Name:	Gaurangkumar Bhanuprasad Sharma
Department, University & Country	Shri P.N. Pandya Arts, Shri M.P. Pandya Science, and D.P. Pandya Commerce College, India