Review Form 1.6

Journal Name:	**Asian Journal of Probability and Statistics**
Manuscript Number:	**Ms_AJPAS_85747**
Title of the Manuscript:	**Spatial and Temporal Simulation of Typhoid Fever Transmission in Yobe State**
Type of the Article	**Case study**

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	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)*
Compulsory REVISION comments	1. Future research direction may be shown in Conclusion section 2. At the end of all equations must be putted "COMMA" or "POINT" according to the typing rules. Therefore, they need to pre-check all the paper. 3. Conclusion section is too short. It must be extended a little more by giving some important properties of figures 4. The author(s) did not do a thorough literature review of past works on typhoid fever modelling. The following papers must be cited to enhance the quality of the work 1. O. J. Peter and M. O. Ibrahim . Application of Differential Transform Method in Solving a Typhoid Fever Model. *International Journal of Mathematical analysis and Optimization: Theory and Applications.* 1(1),250-260. (2017). 2. Akinduko, and M. Rabiu. Mathematical Model for the Control of Typhoid Fever. *IOSR Journal of Mathematics (IOSR-JM)* 13(4), 60-66 (2017). 3. Sinan, M., Shah, K., Kumam, P., Mahariq, I., Ansari, K. J., Ahmad, Z., & Shah, Z. (2022). Fractional order mathematical modeling of typhoid fever disease. *Results in Physics*, *32*, 105044. 4. Adebisi A. F., Peter O. J., Ayoola T. A., Oguntolu F. A., Ishola C. Y. Approximate Solution of Typhoid Fever Model by Variational Iteration Method ATBU*, Journal of Science, Technology & Education (JOSTE);* 6 (3), 254- 265 (2018). 5. Peter O. J., Afolabi, O. A., Oguntolu, F. A., Ishola, C. Y. and Victor, A. A. Solution of a Deterministic Mathematical Model of Typhoid Fever by Variational Iteration Method. *Science World Journal* 13(2), 64-68 (2018). 6. Peter O. J., Ibrahim, M. O., Oguntolu, F. A., Akinduko, O. B. and Akinyemi, S. T. Direct and Indirect Transmission Dynamics of Typhoid Fever Model by Differential Transform Method. *ATBU, Journal of Science, Technology & Education* 7. Peter, O. J., Akinduko, O. B., Ishola C. Y. and Afolabi, O. A. Series Solution of Typhoid Fever Model using Differential Transform Method. *Malaysian Journal of Computing*, 3(1), 67-80 (2018). 8. Ayoade, A. A., Ibrahim M. O., O. J. Peter and Amadiegwu, S. On Validation of an Epidemiological Model. *Journal of Fundamental and Applied Sciences.* 11(2), 578-586 (2019). 9. O. J. Peter, A.F. Adebisi, M. O. Ajisope, F. O. Ajibade, A. I. Abioye and F.A. Oguntolu. Global Stability Analysis of Typhoid Fever Model. *Advances in System Science and Applications* 20(2), 20-31 (2020). 10. O. J Peter, R. Viriyapong, F. A. Oguntolu, P. Yosyingyong, H. O. Edogbanya, M. O. Ajisope, Stability and optimal control analysis of an SCIR epidemic model, *Journal of Mathematical and Computer Science.* 10(2020), 2722-2753. Briefly, after these modifications, this paper may be accepted for the further steps on the way of publishing. With my best regards	
Minor REVISION comments		
Optional/General comments		

	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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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