

## Review Form 1.6

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_83697
Title of the Manuscript:	Modelling the Novel Coronavirus (COVID-19) Transmission Dynamics with Qualitative Analysis: A Case Study of Nigeria.
Type of the Article	Original Research Article

### **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**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<p><b>Compulsory</b> REVISION comments</p> <p><b>Title of the paper</b></p> <p><b>Abstract</b></p> <p><b>Introduction</b></p> <p><b>Model Description and Formulation</b></p> <p><b>Results and Discussion</b></p>	<p>a. Suggested title of the paper : Modelling the Novel Coronavirus Transmission Dynamics with Qualitative Analysis in Nigeria</p> <p>b. Authors should please rewrite the keywords in-line with the suggested title.</p> <p>c. The abstract should contain clear and summary of introduction/background and objective, methodology, results and discussion, conclusions and recommendations and contribution to knowledge in a single paragraph of not more than 250 words.</p> <p>d. Please follow journal guide, if possible journal template to avoid rejection.</p> <p><b>d.</b> Keywords add modelling, COVI-19, qualitative and Disease control measures.</p> <p>1. The background information provided is relevant and appropriate literatures were cited. The authors must state the aim of the paper.</p> <p>f. However, there was no sufficient information on the specific objective of this paper.</p> <p>g. At the end of the introduction, authors should provide a clear and constructive grammar. Red color remove or recast the language.</p> <p>h. The author should use e.g , Adamu et al., in [16] or Adamu and Ibrahim in [16] throughout in this paper.</p> <p>2. Suggestion, in this section, if necessary, provide a model diagram used to determine the model equation.</p> <p>3. Also if necessary, test for the invariant and positivity of the model formulated.</p> <p>4. ok and relevant.</p> <p>5. in all of the authors graphs, please use in time instead against time.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Conclusion</b></p>	<p>a. Re-write this section</p> <p>2. Conclusion should be not more than six lines with no reference, no discussion of results and only contributions to knowledge from this paper if necessary.</p>	
<p><b>Optional/General</b> comments</p> <p>REFERENCES</p>	<p>1. the author should add this paper to the work (Mathematical modelling and vaccination acceptability analysis of COVID-19 in Nigeria by Adamu et al., (2021))</p> <p>2. Author must cite 2021 to 2022 since the research is on COVID-19.</p> <p>2. References should be complete and appropriate. Citation should follow the format which contains author-date references in the text of the manuscript, such as (Smith, 1999). References should be cited using author's surname, e.g., Georges-Ivo, 2005; Ruma and Mondal, 2005; Adamu and Ibrahim(2022), when more than two authors us the Latin phrase <b>et al.</b>, an abbreviation meaning "and others e.g., Mondal <i>et al.</i>, (2021), Ibrahim M. O. (2022). Reference should be very relevant and up to date and should be in one page. Reference should be listed at the end of the text as Surnames followed by initials throughout; do not use "and") according to the following examples: <b>Journals:</b></p>	

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	<p>Adamu, G., Bawa, M., Jiya, M and Chado, U. D. (2017). A Mathematical Model for the Dynamics of Zika virus Via Homotopy Perturbation Method. <i>Journal of Applied Science and Environmental Management</i>. 21(4), 615-623.</p> <p>Tucker D. (2001). What Is New About the New Terrorism and How Dangerous Is It? <i>Terr. Pol.</i> 13, 1-14.</p> <p>Georges-Ivo, EE (2005). Fourier transform infrared spectrophotometry and X-ray powder diffraction as complimentary techniques in characterizing clay size fraction of kaolin. <i>J. Appl. Sci. Environ. Manage</i> 9 (2): 43 - 48.</p> <p><b>Books:</b></p> <p>Meltzer, YL (1971). <i>Hormonal and Attractant Pesticide Technology</i>. Noyes Data, Park Ridge, N.J.</p> <p>References by the same author(s) are arranged chronologically. If more than one reference by the same author(s) published in the same year are cited, use a, b, etc after the year of publication in both text and list. Finally, author(s) should avoid using 'vol or pp' that is volume or page while citing.</p>	
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**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?	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> <p>Author should cite (Mathematical modelling and vaccination acceptability analysis of COVID-19 in Nigeria) to the work.</p>	

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