

**Review Form 3**

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	Ms_JAMCS_125058
Title of the Manuscript:	Effective Management of COVID-19 in Nigeria: Investigating the Impact of Treatment and Prevention
Type of the Article	Original Research Article

### Review Form 3

#### **PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>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.</b>		
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>		
<b>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.</b>		
<b>Are subsections and structure of the manuscript appropriate?</b>		
<b>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.</b>		
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> :		

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<ol style="list-style-type: none"><li>1. <b>Clarity and Organization:</b> Improve the organization of the introduction and discussion sections for better readability.</li><li>2. <b>Mathematical Model Explanation:</b> Provide a clearer explanation of the significance of each compartment in the mathematical model and their interactions.</li><li>3. <b>Abstract Conciseness:</b> Streamline the abstract to focus on primary findings and implications without excessive detail about the model.</li><li>4. <b>Parameter Definitions:</b> Add a summary table of parameters and their meanings to aid reader comprehension of the mathematical notation.</li><li>5. <b>Sensitivity Analysis Interpretation:</b> Discuss the implications of the sensitivity indices in the sensitivity analysis to highlight model robustness.</li><li>6. <b>Numerical Simulation Discussion:</b> Enhance the interpretation of numerical simulation results, explaining their relevance to treatment and prevention strategies.</li><li>7. <b>Policy Recommendations:</b> Include specific recommendations for public health policy in the conclusion based on the model's findings.</li><li>8. <b>Figure Captions:</b> Use more descriptive captions for figures and graphs to provide context and enhance standalone clarity.</li><li>9. <b>References Formatting:</b> Ensure that all references are consistently formatted according to the journal's guidelines and include recent studies for context. Most of the references are published 2020, please use some references another year. Some references are confusing such as [1] Abba B.G. (2020) Nigeria: using Mathematics to understand and control the coronavirus pandemic. [16] NCDC (2020) covid-19 fact sheet, ?</li><li>10. <b>Future Research Directions:</b> Suggest potential future research areas based on your findings to expand the impact of the study.</li><li>11. <b>Formatting:</b> Checking all formats, ensure that the font sizes and other formatting is correct.</li></ol>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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Department, University & Country	<b>University of Chittagong, Bangladesh</b>