

Review Form 1.7

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_110076
Title of the Manuscript:	Computational Nonlinear Dynamics: An Assessment of Optimal Control of COVID-19 in Akwa Ibom State, Nigeria
Type of the Article:	Research Study / Empirical Research

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>7. My suggestion for the deeply this research</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, the manuscript holds significance for the scientific community, because this article can provide an overview of a policy or activity that will be implemented in the area studied.</p> <p>Of course, the title is in accordance. But, I suggest the title become “Computational Nonlinear Dynamics: An Assessment and Analysis of Optimal Control of COVID-19 in Akwa Ibom State, Nigeria” because this article also talks about the theorem and its analysis.</p> <p>Yes, the abstract of the article is detailed and well-organized according to the background problems till the conclusion.</p> <p>Yes, the subsections and structure of the manuscript are well-appropriate.</p> <p>Of course, because the research begins based on existing theories on nonlinear dynamics and is proven by several theorems to support the research.</p> <p>I think the references in the manuscript are sufficient and recent. No additional references are needed.</p> <p>In the simulation, we suggest to the author to figure out the combination the strategic I and II, strategic I and II, and strategic II and III. So, this way, a more extensive comparison can be made from the conducted simulation results, which can be used as supporting evidence for drawing a deeper conclusion.</p>	Treated
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	Treated
<p>Optional/General comments</p>	<p>I think this article appears to be very well-organized in its processing. This article also demonstrates that the implementation of the optimal control method is appropriate, and the numerical simulation provides an overview of the success of applying the implemented control variables to the compartmental model.</p>	

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PART 2:

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