

Review Form 1.7

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_112841
Title of the Manuscript:	Simulating Allergic Rhinitis infections in Adults with HIV-AIDS using Runge-Kutta Fourth Order Method in SIR Model
Type of the Article	Review Article

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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The work is interesting and novel. The article may be accepted for publication after addressing the following points satisfactorily.</p> <ol style="list-style-type: none"> 1. The introduction needs to be improved by the recent papers 2021, 2022 and 2023. 2. What do you mean "disease@" in Introduction section. 3. There are no comma and full stop in the equations (1) to (6). Kindly rectify throughout the paper. Several typographical errors and grammatical errors have been found throughout the manuscript, please modify such errors. 4. How did you choose the parameters values in Result and Discussion section? 5. Conclusions should be expanded to include a better explanation of the work done in this manuscript. Future research direction must be shown in conclusion. 6. We suggest the authors to update the following reference: Fractional order SEIQRD epidemic model of Covid-19: A case study of Italy. PLoS ONE 18(3). e0278880. <p>Study of Fuzzy Fractional Caputo Order Approach to Diabetes Model. In: Jana, C., Pal, M., Muhiuddin, G., Liu, P. (eds) Fuzzy Optimization, Decision-making and Operations Research. Springer, Cham. https://doi.org/10.1007/978-3-031-35668-1_19</p> <p>Dynamics of Caputo Fractional Order SEIRV Epidemic Model with Optimal Control and Stability Analysis. Int. J. Appl. Comput. Math. 8(28).</p> <p>Study of Fractional Order Tri-Tropic Prey-Predator Model with Fear Effect on Prey Population. <i>Advances in Pure Mathematics</i>, 12, 652-675. doi: 10.4236/apm.2022.1211050</p> <p>Stability analysis and Hopf bifurcation in fractional order SEIRV epidemic model with a time delay in infected individuals. <i>Partial Differ. Equ. Appl. Math.</i> 5, 100282.</p> <p>Dynamical behavior of a fractional order SIR model with stability analysis, <i>Results in Control and Optimization</i>, 10, 2023, 100212, https://doi.org/10.1016/j.rico.2023.100212.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</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>	

Reviewer Details:

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