

Review Form 3

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_123606
Title of the Manuscript:	Prey-Predator Model On The Interaction Of Pathogenic Bacteria And Bacteriophages In The Presence Of Medication
Type of the Article	RESEARCH ARTICLE

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<p>Study of prey – predator dynamics is very old concept. But reading this article I personal observed that this article provides something new that is suitable alternative for the clinical treatment of bacterial infections using combination antibiotics and bacteriophages.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Prey-Predator Model of the Interaction Between Bacteriophages and Pathogenic Bacteria When Medication Is Present</p>	
<p>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.</p>	<p>Try to concise abstract, also write down MATLAB code for Graph. No Need of writing these lines in ABSTRACT, Write these lines when we formulate the model. The model was formulated by the use of ordinary differential equations. The model has three variables x, y and z representing the prey, primary predator and the secondary predator respectively. The local stability analysis of equilibrium points are carryout using Jacobian matrix method from the model. The stability of the model was found at $\frac{\beta - \sigma}{(\beta\theta_2 - \mu\theta_1)} < 1$ which clearly showed how a therapy of both medication and bacteriophages is effective.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>1)Section 2 is preliminaries, but there are no such preliminaries written. 2) Write flow chart change this by model flow diagram and write this bottom of the diagram. 3) Format is not same for all paragraph, make this same. 4) Write review of literature in introduction part with proper citation. 5) Numbering of the equation is not accurate, make this uniformly.</p>	
<p>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.</p>	<p>1) How you find out the equilibrium point of the system. 2) Explain how many equilibrium point are possible for the system. 3) If equilibrium point are more then one, then why you not explained all the points in article.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>References are not up to date, use references at least one per year starting from the basic to the latest, use systematic references</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Revise manuscript again also improve English while writing the introduction part.</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:

Name:	Shiv Raj
Department, University & Country	Shri Jagdish Prasad Jhabarmal Tibrewala University, India