

Review Form 1.7

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_113994
Title of the Manuscript:	Sensitivity and Bifurcation Analyses of a co-infection Model for Monkeypox and HIV/AIDS Infections.
Type of the Article	Original Research Article

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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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript may be important for the scientific community, especially for those who are interested in mathematical epidemiology and infectious disease modelling. This may also contribute to the understanding and management of the co-infection of monkeypox and HIV/AIDS infections, which could have significant implications for public health and policy. 2. It is a descriptive title that summarizes the main topic and methods of the article. However, a suggestion to improve the title is: Use a colon to separate the main topic and the subtopic, such as "A co-infection Model for Monkeypox and HIV/AIDS: Sensitivity and Bifurcation Analyses" 3. The abstract is fairly comprehensive, as it provides an overview of the main objectives, methods, results, and implications of the study. However, it could be improved by: Providing some background information on the epidemiology and transmission of monkeypox and HIV/AIDS infections, and why they are important to study. 4. The subsections and structure of the manuscript are appropriate for a research article in the field of mathematical epidemiology. 5. The manuscript is not scientifically correct in its current form, and it needs some revisions and improvements : <ol style="list-style-type: none"> a) The manuscript does not provide any data or empirical evidence to support the model assumptions and parameters. b) The manuscript does not compare the model results with other existing studies on the same or similar topics. It is unclear how novel and significant the model contributions are in advancing the knowledge and understanding of the co-infection problem. 6. The references are sufficient and recent for the most part and most of which are from the past decade and relevant to the topic of co-infection of monkeypox and HIV/AIDS. <ol style="list-style-type: none"> a) However, there are some references that are outdated. For example, reference is from 1928 and does not seem to be related to the current research. Reference is from 1988 and may not reflect the latest knowledge on monkeypox diagnosis and transmission. b) Therefore, the authors may have to update or replace some of these references. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> 1. The manuscript has some grammatical and typographical errors such as, inconsistent use of tenses, punctuation, misspellings, capitalization, and symbols. 	
<p>Optional/General comments</p>	<p>The article is well-organized, clear, and informative. But based on the above comments it needs some revisions and improvements before it can be considered for publication.</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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