

### Review Form 3

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|--------------------------|--|
| Journal Name:            | <a href="#">Asian Research Journal of Mathematics</a>  |
| Manuscript Number:       | Ms_ARJOM_121077  |
| Title of the Manuscript: | <b>Mathematical Modelling of African Animal Trypanosomiasis Incorporating Spraying of Vector Population and Treating the Host Population</b> |
| Type of the Article      |  |

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**PART 1: Review Comments**

| <b><u>Compulsory</u></b> REVISION comments  | Reviewer's comment   | <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> |
|---|--|--|
| 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.                        | The manuscript gives insight into the treatment of the host population which significantly reduces the infection by AAT as compared to spraying of the vector population. Development of mathematical model is definitely an innovative approach.  |  |
| Is the title of the article suitable? (If not please suggest an alternative title)  | The title can be made smaller -<br><br>Mathematical model for describing the transmission of Animal African Trypanosomiasis in cattle  |  |
| 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.   | Yes . No suggestions   |  |
| Are subsections and structure of the manuscript appropriate?  | Yes  |  |
| 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. | It seems to be an innovative approach formulating mathematical model of African Animal Trypanosomiasis Incorporating Spraying of Vector Population and Treating the Host Population. Various numeric results has been included in the manuscript making it scientifically robust and technically sound |  |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.<br>=  | Yes  |  |
| <u>Minor</u> REVISION comments<br><br>Is the language/English quality of the article suitable for scholarly communications?   | Yes  |  |
| <b><u>Optional/General</u></b> comments   | A very good manuscript for publication   |  |

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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:**

|                                  |                    |
|----------------------------------|--------------------|
| Name:                            | <b>Sagya Singh</b> |
| Department, University & Country | <b>India</b>       |