

Review Form 3

Journal Name:	Journal of Applied Life Sciences International
Manuscript Number:	Ms_JALSI_127995
Title of the Manuscript:	Tsetse fly (Diptera, Muscidae) population dispersal in endemic areas of animal trypanosomiasis in Mali
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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PART 1: Comments

	Reviewer's comment	Author's Feedback <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. A minimum of 3-4 sentences may be required for this part.	This manuscript provides valuable insights into the distribution and diversity of tsetse fly populations in Mali, contributing to understanding vector ecology and control. Its focus on identifying key environmental and anthropogenic factors influencing tsetse dispersal adds to the knowledge necessary for effective disease management strategies. The study is particularly significant for regions heavily impacted by African trypanosomiasis, highlighting areas where targeted interventions could be most effective.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, "Tsetse fly (Diptera, Muscidae) population dispersal in endemic areas of animal trypanosomiasis in Mali," is somewhat accurate but could be more concise and specific. A suggested alternative: "Spatial Distribution and Ecological Determinants of Tsetse Flies in Trypanosomiasis-Endemic Regions of Mali."	
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.	The abstract is comprehensive but could be improved by including more specific findings, such as species diversity and their relative abundances in the regions studied. Additionally, the statistical significance of correlations (e.g., between climatic factors and tsetse density) could be briefly mentioned to strengthen its scientific value.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears scientifically sound based on the methods and analysis provided. However, some statements about the ecological and climatic correlations could benefit from additional context or references to validate the claims fully. For instance, the claim about the absence of <i>G. morsitans</i> warrants further exploration.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are adequate and mostly recent, with a few older but still relevant citations. It could be beneficial to include more recent studies on climate impact and vector control methodologies, particularly from regions with similar ecological conditions.	
Is the language/English quality of the article suitable for scholarly communications?	The language is generally suitable for scholarly communication but could benefit from minor proofreading to correct typographical errors and improve clarity in some sections.	
<u>Optional/General</u> comments	No ethical issues were identified in the manuscript.	

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>	

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