

**Review Form 1.7**

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|--------------------------|---|
| Journal Name:            | <b>International Journal of Biochemistry Research &amp; Review</b>  |
| Manuscript Number:       | <b>Ms_IJBCRR_109816</b>   |
| Title of the Manuscript: | <b>AN ETHNO-BOTANICAL SURVEY OF MEDICINAL PLANTS USED FOR THE TREATMENT OF AFRICAN ANIMAL TRYPANOSOMOSIS IN NIGERIA</b> |
| Type of the 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><b>Compulsory REVISION comments</b></p> <ol style="list-style-type: none"> <li>1. Is the manuscript important for scientific community?</li> <li>2. Is the title of the article suitable?</li> <li>3. Is the abstract of the article comprehensive?</li> <li>4. Are subsections and structure of the manuscript appropriate?</li> <li>5. Do you think the manuscript is scientifically correct?</li> <li>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p><b>Yes. This manuscript holds significance for the scientific community, particularly within the fields of ethno-botany, veterinary medicine, and traditional knowledge systems. The study provides valuable insights into the traditional practices of Fulani pastoralists in Nigeria regarding the treatment of African Animal Trypanosomosis (AAT) using medicinal plants. The documentation of specific plant species, their uses, and the preservation of traditional knowledge make this manuscript a relevant contribution to the scientific understanding of alternative approaches to livestock health management.)</b></p> <p><b>Yes. Consider a concise and captivating title that reflects the main focus of your research. For example: "Traditional Medicinal Plants for Treating African Animal Trypanosomosis: An Ethno-botanical Survey in Nigeria."</b></p> <p><b>The abstract is well-constructed and provides a comprehensive overview of the manuscript. It effectively summarizes the background, objectives, methodology, key findings, and conclusions. The inclusion of specific plant names, dosage forms, and the emphasis on the preservation of traditional knowledge enhances the abstract's clarity and completeness.</b></p> <p><b>The manuscript's structure is generally appropriate, with clear delineation of sections such as Introduction, Materials and Methods, Results, and Discussion. However, it would be beneficial to include a separate section for Limitations and Future Directions to address any constraints in the study and suggest avenues for future research.</b></p> <p><b>Yes. However, it would strengthen the manuscript to explicitly address any limitations in the study and acknowledge potential biases inherent in ethno-botanical surveys.</b></p> <p><b>The references provided are relevant and contribute to the scholarly context of the study. However, it is recommended to ensure the inclusion of more recent references, especially in the Introduction and Discussion sections, to demonstrate the current state of research in ethno-botany, veterinary medicine, and related fields. Additionally, considering the multidisciplinary nature of the study, references from fields such as ethnopharmacology and veterinary ethno-medicine could further enrich the bibliography.</b></p> <ul style="list-style-type: none"> <li>• Consider adding a section on the ethical considerations and informed consent process, especially when dealing with traditional knowledge.</li> <li>• Provide a brief explanation of the significance of the identified plants' phytochemical compounds and their potential therapeutic effects against Trypanosomes.</li> <li>• Clarify the availability and accessibility of the medicinal plants mentioned in the study, as this information could be valuable for future research or practical applications.</li> <li>• Ensure consistency in formatting and citation style throughout the manuscript.</li> </ul> |   |

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|  | Overall, the manuscript is a valuable contribution to the scientific literature, and addressing the suggested revisions will enhance its clarity, completeness, and scholarly impact.   |  |
| <b>Minor</b> REVISION comments<br><br><b>1. Is language/English quality of the article suitable for scholarly communications?</b><br>manner. | However, some sentences could benefit from minor revisions for clarity and precision. Specifically, check for consistent use of terminology, and ensure that complex ideas are expressed in a straightforward   |  |
| <b>Optional/General</b> comments   | <ul style="list-style-type: none"><li>In the Materials and Methods section, consider providing more details on the questionnaire design, including specific questions related to medicinal plants, dosage forms, and administration methods.</li><li>Emphasize the importance of preserving traditional knowledge in the conclusion, highlighting its potential contribution to future research and sustainable livestock management.</li></ul> |  |

### **PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
|---|--|--|
| <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:**

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|----------------------------------|---|
| Name:                            | <b>Ricardo Da Silva Carvalho</b>  |
| Department, University & Country | <b>Federal University of the Jequitinhonha and Mucuri Valleys, Brazil</b> |