

Review Form 3

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_129196
Title of the Manuscript:	EFFECT OF <i>Telfairia occidentalis</i> STEM EXTRACT AND FRACTIONS ON PARASITAEMIA, OXIDATIVE STRESS MARKERS, LIPID PROFILE, HEMATOLOGICAL PARAMETERS, LIVER FUNCTION INDICES AND LIVER HISTOLOGY IN <i>Plasmodium berghei</i> INFECTED MICE
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 (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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 presents an insightful study on the antimalarial properties of <i>Telfairia occidentalis</i> stem extracts and their potential to moderate oxidative stress and hepatotoxicity in <i>Plasmodium berghei</i> -infected mice. The work is significant as it contributes to the growing body of literature on plant-based antimalarial agents, which are highly relevant for combating malaria, particularly in sub-Saharan Africa where the disease remains a major public health issue. Additionally, the investigation into the effects on oxidative stress markers, lipid profiles, hematological parameters, and liver histology enhances our understanding of the broader therapeutic potential of <i>T. occidentalis</i> .	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is appropriate and reflects the core objectives and findings of the study. However, it could be refined for better clarity and conciseness. Suggested Title: "Antimalarial and Hepatoprotective Potential of <i>Telfairia occidentalis</i> Stem Extracts: A Study in <i>Plasmodium berghei</i> -Infected Mice."	
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 and outlines the key objectives, methods, findings, and implications of the study. However, it could benefit from rephrasing the results section for better clarity and brevity. Additionally, including the limitations or suggestions for future research would improve the abstract's completeness.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears scientifically sound with well-documented methodologies and appropriate statistical analyses. The results are clearly presented, and the discussion provides a thorough interpretation of the findings. However, some sections, such as the mechanisms of action of the plant's phytochemicals, could include more references to existing literature for validation.	
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 relevant. However, the inclusion of more recent studies (post-2020) on antimalarial properties of medicinal plants would enhance the manuscript's relevance. For example: <ul style="list-style-type: none"> • Studies on similar phytochemicals and their antimalarial mechanisms. • Recent WHO malaria reports. 	
Is the language/English quality of the article suitable for scholarly communications?	The language is generally suitable for scholarly communication. Minor grammatical errors and typographical issues should be addressed for improved readability. The manuscript could also benefit from more concise phrasing in certain sections to enhance clarity.	
Optional/General comments	The histological observations are valuable, but including clearer images or micrographs would make the data more comprehensible. Furthermore, providing additional details about the limitations of the study, particularly the low doses of the extracts used, would strengthen the manuscript.	

PART 2:

	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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Reviewer Details:

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