

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Biochemistry, Genetics and Molecular Biology</a>
Manuscript Number:	Ms_AJBGMB_121973
Title of the Manuscript:	IN VIVO STUDY OF BITTER LEAF ( <i>Vernonia amygdalina</i> ) PLANT ON THE REMEDIATION OF THE CYTOLOGICAL AND PHYSIOLOGICAL DAMAGES ON WISTER RAT (ALBINO RAT) CAUSED BY <i>Streptococcus pyogenes</i>
Type of the Article	Original Research 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: Review Comments

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>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.</b></p>	<p>Manuscript highlights the tendency of vernonia amygdalina extract in mediating infections. However, in the manuscript, drawing a line in ascertaining the potencies of vernonia amygdalina in the field of mediating inflammatory responses and its usage in bacterial infection prognosis are not in full scale.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>A slight but precise modification is required in the title. Suggestion:- <b>Effects of the anti-inflammatory properties of bitter leaf (Vernonia amygdalina) extract on Streptococcus pyrogenes induced wister rats.</b> Note:- the choice of extract must be stated in the title e.g. aqueous, ethanol, methanol e.t.c.</p>	
<p><b>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.</b></p>	<p>A rework on the abstract is recommended. Organisation style of the abstract falls way below expectation as cogent information's are exclusively left out while trivial or irrelevant information's given much priority. Authors should focus on beginning their abstract with a concise statement, introducing the scope of the research before approaching the aim. The methodology section of the abstract should be revisited as well as the conclusive part which seems not to have addressed any problem.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Introduction:-The length of words in the introduction seems to be too voluminous. Authors should reduce the length of words to a more considerable and sizeable length worthy enough to meet the specifications of a quality journal. Materials and methods:- Salient points such as identification and authentication number of the plant information missing in the manuscript. Results:- More evidences on Vernonia amygdalina amelioration of infection in Wister rats should be included in the results.</p>	
<p><b>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.</b></p>	<p>For scientific correctness and robustness of manuscript, authors are enjoined to elucidate more on the results and findings to justify the efficacy of VA in the treatment of Streps. causing diseases. As for robustness, authors should consider the following insights to justify their claim:- (1) Blood culture tests are first done to confirm bacterial infection and also to identify what type of bacteria caused the infection. This was not captured in the manuscript. (2) C-reactive protein (CRP) and Erythrocyte sedimentation rate (ESR) are key markers for presence of inflammatory processes, lymphocytes and neutrophils not evaluated in results. (3) Temperature monitoring to detect fever in early infection cases was not captured in research. (4) Procalcitonin, a marker of generalised sepsis due to bacterial infection need to be assayed. (5) Informations on antigen and antibody generation in response to infection is lacking in research.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>References are sufficient but some are too old. New advances are being researched on in recent times.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes.</p>	
<p><b>Optional/General</b> comments</p>	<p>Manuscript needs further review and modification.</p>	

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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:**

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Department, University & Country	<b>Afe Babalola University, Nigeria</b>