

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Biochemistry, Genetics and Molecular Biology</a>
Manuscript Number:	Ms_AJBGMB_82721
Title of the Manuscript:	ANALGESIC PROPERTIES OF AQUEOUS LEAF EXTRACT OF Alchornea cordifolia (Christmas bush) ON WISTAR RATS
Type of the Article	Original Research Article

### **General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajbgmb.com/index.php/AJBGMB/editorial-policy> )

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**PART 1: Review Comments**

	<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><u>Compulsory</u></b> REVISION comments	<p>Review Comments (Ms_AJBGMB_82721)</p> <p>Abstract: The abstract should be rewritten using background, objective, methodology, results, and conclusion and must be summarized in 250 words. In the abstract, the results mentioned the increase in paw size, but details are not given in the manuscript.</p> <p>Introduction: In this section, the objective states for evaluation of the anti-inflammatory, antipyretic, and analgesic properties of the plant selected for study. But the article focused only on analgesic properties under methodology, results, and discussion, as well as in conclusion.</p> <p>Material &amp; Methods: The acetic acid produced analgesia method must be thoroughly discussed with appropriate references. This section should contain methodologies for phytochemical analysis. For proper identification and authentication of the medicinal plant used, the taxonomic authentication number must be included. For the use of experimental animals, CPCSEA approval must be mentioned. References must be cited properly in the methodology used.</p> <p>Results: The results in Table 3 must be re-analysed for significant levels whether compared with negative control (only acetic acid treated group) or with positive control (standard aspirin treated group). According to the findings, 400 mg/kg is equivalent to aspirin, while 800 mg/kg is more effective than standard aspirin. Results in Table 4 stated the highest IL-6 level in the control group. Both the doses of extract reduce IL-6 levels more than standard aspirin. The level of CRP in the 800 mg/kg treated group is higher than the negative control (acetic acid treated animals) [contradictory results]. Nitric Oxide levels are increasing with 800 mg/kg of extract and standard aspirin treatment in animals (wrongly explained in the discussion section). Both the results and the discussion sections must be merged. All the findings should be explained again with the relevance of parameters analysed and their role in analgesia along with proper citation of references.</p> <p>Conclusion: It is recommended that authors conclude their study effectively. Concentrate on the study's findings and how they will aid scientists and future researchers.</p>	
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		

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**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> CPCSEA approval for animal study and taxonomic authentication number for medicinal plant are required.	

**Reviewer Details:**

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