



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Journal of Biochemistry Research &amp; Review</a>
Manuscript Number:	<b>Ms_IJBCRR_66966</b>
Title of the Manuscript:	<b>Ameliorative effect of ethanol extract of <i>Annona muricata</i> leaves in sodium arsenite induced- toxicity in male Wistar rats</b>
Type of the Article	<b>Original Research Article</b>

**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:

(<http://www.sciencedomain.org/journal/10/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)
<p><b>Compulsory</b> REVISION comments</p>	<p>Ameliorative effect of ethanol extract of <i>Annona muricata</i> leaves in sodium arsenite induced- toxicity in male wistar rats The correct name is Wistar Wistar rats are albino rats belonging to the species <i>Rattus norvegicus</i>. So, the title must be corrected change wister to Wistar</p> <p>Ameliorative effect of ethanol extract of <i>Annona muricata</i> leaves in sodium arsenite induced- toxicity in male Wistar rats</p> <p>Abstract for the management of arsenicosis If the authors mention the problem of arsenicosis. I suggest than they briefly mention the prevalence of this condition first, globally, or in their community. Or indicate that several countries have an excess of arsenic, especially in water springs. Or says that population the intake of water with arsenic was increased. This further highlights the importance of reducing the damage with the extract of the <i>Annona muricata</i> leaves.</p> <p>Plant extraction Indicate if the leaves were harvested on any date or in particular in any month or season of the year. It is important that afterward, they mention which of these groups the hepatoprotective action may be due to or to include the% of these elements in the leaves. If the latter is possible. Or include some other study (reference) that supports your comment regarding the activity of the components.</p> <p>The presence of alkaloids, flavonoids, glycosides, tannins and saponins were analyzed.</p> <p><b>RESULTS</b> Table 1. The values of the statistics of the values between groups are not given. However, there was a significant decrease in liver weight of SA-only-treated group when compared with control. The value of the liver weight percentage must include its standard deviation. Histopathological analysis of liver I suggest a more comprehensive description of how the tissue was selected for histology. Considering that the rat liver is multi-lobed, the authors should say which lobe or lobes were chosen for histology. In addition, they must include the size of the liver tissue sections. Thin sections were cut and stained with</p> <p>Figure 1 Arrows are indicated in the description, but they are not seen in the photomicrographs. Nothing is said in the results of the two concentrations of AM. Not even in the discussion is it mentioned that the values were very similar; what can be discussed is that with the low concentration of 250 mg / Kg, similar changes were observed at the concentration of 500 mg/kg in the enzymes ALT, AST, and APL.</p> <p>Discussion I consider the discussion to be the weak part of the project. Only 4 references are included in the discussion that supports the results obtained in this work.</p>	



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	<p>Before the conclusion, the authors can briefly include what the limitations of the study were.</p> <p>Conclusion It is not stated how this extract could be used for human use (study application). Perhaps indicate that concentration will have to be assessed first. Or later, check which of the extract components would be the one that participates the most. This would be like mentioning the objective of the next study.</p> <p>In the introduction, more of the AM characteristics are discussed and described, but in the discussion, no comments are included anymore.</p> <p>In the beginning, in the background, it was said that. The presence of alkaloids, flavonoids, glycosides, tannins and saponins were analyzed.</p>	
<b>Minor</b> REVISION comments	<p>I suggest improving your grammar punctuation, preferably that a native English speaker reviewed the document (to mention a few examples).</p> <p>However Pretreatments of rats      Howeve, pretreatments of rats However the ingestión                  However, the ingestion Also arsenic                                  Also, arsenic reaction catalysed by ALT or AST      reaction catalyzed by ALT or AST intensely coloured hydrazone          intensely colored hydrazone</p> <p>Change all A Muricata to italics. Write in italics muricata is active against Correct the word leaveas by leaves and this one should not be in italics A preliminary phytochemical screening of <i>annona muricata leaveas</i> was carried out</p>	
<b>Optional/General</b> comments	<p>Experimental animals I suggest adding that the handling of animals is also in accordance with international rules.</p> <p>Hepatoprotective study The wavelength for measuring ALT and AST is included, but the wavelength for measuring ALP activity is not stated.</p>	

**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>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> <p>No. All procederes described were reviewed and approved by the Institutional Animal Ethical Committee</p>	

**Reviewer Details:**

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