

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Biochemistry</b>
Manuscript Number:	<b>Ms_AJRB_114497</b>
Title of the Manuscript:	<b>Ameliorative Potentials of Persea americana Mill (Avocado) Seed Extract on Acetaminophen-induced Hepatic Insufficiency in Rats.</b>
Type of the Article	<b>Original Research Article</b>

## Review Form 1.7

### 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</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Grammar certificate is required</p>	
<p><b>Optional/General</b> comments</p>	<ol style="list-style-type: none"> <li>1. Could you provide more details on the methods employed for liver tissue analysis, specifically the techniques used to measure markers of liver integrity, liver function, and antioxidant status?</li> <li>2. The study mentions changes in liver architecture, including inflammation, fatty changes, and hepatocyte necrosis. Could you elaborate on the observed histological changes and their significance?</li> <li>3. The results indicate a dose-dependent effect of <i>Persea americana</i> seed ethylacetate extract. Can you discuss the rationale behind the chosen doses (150 mg/kg bw and 350 mg/kg bw), and how these doses were determined?</li> <li>4. In the conclusion, it is mentioned that the extract showed ameliorative effects at a higher dose. What factors contribute to the dose-dependent response, and how does this relate to the observed changes in liver parameters?</li> <li>5. Considering the comparison to silymarin, could you discuss any potential implications of using <i>Persea americana</i> seed ethylacetate extract as a therapeutic agent for acetaminophen-induced hepatotoxicity in comparison to established treatments?</li> <li>6. Were there any unexpected findings or limitations encountered during the study that may impact the interpretation of the results?</li> <li>7. In the future, what additional research or experiments do you believe would be valuable to further support the findings of this study and potentially translate them into clinical applications?</li> </ol>	

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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>SRM Institute of Science and Technology, India</b>