



SDI Review Form 1.6

Journal Name:	Journal of Complementary and Alternative Medical Research
Manuscript Number:	Ms_JOCAMR_40587
Title of the Manuscript:	Effect of methanol extract of Mangifera indica on mitochondrial membrane permeability transition pore in normal rat liver and monosodium glutamate-induced liver and uterine damage.
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
Compulsory REVISION comments	<p>* In section "2 MATERIALS AND METHODS" please mention the details about the ethical approval for animal studies.</p> <p>* I didn't understand why the method given in section 2.13.2 as <i>in vivo</i>. Please give information about this.</p> <p>* Please give details of which statistical test were done on the data.</p> <p>* The X axis of Figure 1 was trimmed. It wasn't possible to check the comments about this figure.</p> <p>* All the graphs should be more readable.</p> <p>* Line 233 In the results section it is mentioned as "...1.5, 10.3, 11.5, 13.1 and 17.4 fold respectively..." but in figure 3 there is no data related to this.</p> <p>* In the results section the data given should match the data on graphs. In this way it is not trackable. Some data was given in results section referring to a figure, but it is not possible for some figures to see the data given in the text. All the data and the figure matching should be revised.</p> <p>* It is not easily observable which data is for 14 or 28 day of treatment form the graphs.</p> <p>* The data could be presented and discussed better.</p>	<p>All experiments have been performed in accordance with the ethical standards laid down in the 1964 Declaration of Helsinki. This has been indicated in the section.</p> <p>This method (Varshney and Kale) measures the amount of malondialdehyde (MDA) produced in the experimental animals used for the study (<i>in vivo</i>). This is different from Ruberto <i>et al.</i>, method which involves the use of ferrous to induce the lipid peroxidation (<i>in vitro</i>).</p> <p>The data has been redrawn and reanalysed using graph pad prism 5.00.288. One way ANOVA and Turkey's post test was used for the statistical analysis at $p < 0.05$</p> <p>The figure 1 has been redrawn and corrected.</p> <p>The graphs have been redrawn, rearranged and ordered .</p> <p>All the results gotten on the MMPT assays involve line tracing using spectrophotometric technique. The induction folds shown here is calculated from the formula :</p> <p style="text-align: center;">Change in absorbance of [Extract – NTA]</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">NTA</p> <p>The induction folds were gotten from the change in absorbance recorded at each concentrations and dosages compared with the NTA/control as shown in the formula above.</p> <p>The results in this case is shown in the form line tracing and not in the form of bar chart. This is the reason the induction folds were not written on the line graphs . It was calculated from the change in absorbance.</p> <p>The data has been rearranged and the 14 and 28 days treatment is now better defined</p>



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<p>Minor REVISION comments</p>	<p>* Line 19: Please delete the space before full stop in “spectrophotometrically .”</p> <p>* Line 20: It is a well-known acronym, but it will be better to use as “monosodium glutamate (MSG)” at the very first time the acronym is mentioned.</p> <p>* Line 29: Please change “co administered” as “co-administered”.</p> <p>* Line 58: Please change “[8,9,10[.” As “[8,9,10].”</p> <p>* Line 70: Please change “specie” as “species”.</p> <p>* Line 71: Please change “flowering plant” as “flowering plants”</p> <p>* Line 73: Please change “carbohydrates[17].” as “carbohydrates [17].”</p> <p>* Line 78: Please change “fibroid ,” as “fibroid,”</p> <p>* Line 86: Please revise the sentence starting as “Its toxic and deleterious...”</p> <p>* Line 115: Is Ajinomoto the local name of MSG or a brand? If so, please mention this.</p> <p>* Line 133: Do you need an extra “METHODS:” title?</p> <p>* Line 144: Please change “210mMMannitol” as “210mM Mannitol”</p> <p>* Line 154: Please change “aT70 UV/” as “a T70 UV/”</p> <p>* Line 157: Please use a degree sign in “270C”</p> <p>* Line 181: Please change “680nm.A” as “680nm. A”</p> <p>* Line 194: Please change “532nm .Percentage” as “532nm. Percentage”</p> <p>* Line 201: Please change “[34].Under” as “[34]. Under”</p> <p>* Line 203: Please delete one of the full stops in “532 nm..”</p> <p>* Line 207: Please use superscript style for “-1”s in “$\epsilon = 100 \text{ mM}^{-1} \text{ cm}^{-1}$”</p> <p>* Line 212: Please delete the extra space in “10 mins .” as “10 mins.”</p> <p>* Line 213: Please delete the extra space in “cytochrome C .” as “cytochrome C.”</p> <p>* Line 224: Please delete the extra space in “significant .” as “significant.”</p>	<p>The space has been deleted It has been corrected It has been corrected</p> <p>It has been changed It has been corrected It has been changed It has been corrected It has been changed It has been corrected The statement has been reframed</p> <p>It is a brand of monosodium glutamate. This has been effected No, it has been deleted It has been changed It has been corrected It has been corrected It has been corrected It has been changed</p> <p>It has been corrected It has been deleted It has been corrected It has been corrected It has been deleted It has been deleted</p>
<p>Optional/General comments</p>		