

Review Form 1.7

Journal Name:	Journal of Complementary and Alternative Medical Research
Manuscript Number:	Ms_JOCAMR_108528
Title of the Manuscript:	Anti - Arthritis, Antioxidant and Anti - Inflammatory Potential of Ethanoic Extract of Guava Leaves on Rats Exposed to High Fat Diet and Freud Adjuvant
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes</p> <p>Anti-arthritis potential of ethanoic extract of guava leaves on rats exposed to high fat diet and Freud adjuvant</p> <p>No</p> <p>Yes but the presentation of the data must be more obvious and add the lipid profile</p> <p>Recent but not sufficient the add references for MDA, SOD, IL6, CRP and TNF1 and others as mentioned in comment No. 18</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>1-The Abstract must structure as the Journal style as following: Objective:Methodology:Results:Conclusion:.....</p> <p>2-The second part after introduction is 2. MATERIALS ANS METHODS (Missed in the manuscript)</p> <p>3- the lipid profile (Tchol, TG, LDL) were significantly reduced in test subjects at P<0.05, HDL (No lipid profile in the manuscript)</p> <p>4-In the abstract: 6.75 mg/kg¹ orally 6.75 mg/kg orally</p> <p>5- Keywords: A-Add Guava (Psidium guajava), Myrtaceae B-Arrange the keywords in alphabet order.</p> <p>6-INTRODUCTION In the end of introduction write: Thus the quest for a cheaper and safer alternative. This provoked us to carry out the current study, to investigate.....</p> <p>7-Date of plant collection.</p>	

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	<p>8-Mention the weight of the ethanol extract.</p> <p>9- Group 2; Healthy rats fed with normal feed and water treated with ethanoic extract of guava leaf. (Dose ?? of the extract)</p> <p>10- The normal rat chaw was measured and 20 percent of the feed was removed and replaced with egg yolk. This was used to induce hypercholesteremia. (Add reference)</p> <p>11-In Tables 1 and 2 (Add positive group number 4 to compare the obtained data with positive control)</p> <p>12-In Table 2 (Data missed in the first column from the left) groups. In the line with 0.95 ± 0.1^a</p> <p>13- In Table 2 (Data missed in the first column from the left) groups. In the line with $0.67 \pm 0.02b$</p> <p>14-COMPETING INTERESTS is missed.</p> <p>15- Ethical approval is missed.</p> <p>16-Write one style for TNF-α or TNF1 (Which one you will use?)</p> <p>17- Psidium guava, Kindly make the plant name <i>Italic</i> in anywhere. (specially in the References list). Kindly check the highlighted parts.</p> <p>18- Add these reference:</p> <p>Tao Wu. The effect of Psidium guajava hydroalcoholic extract on reducing the expression of Resistin and TNF-α genes in articular chondrocytes of patients with knee osteoarthritis Cellular and Molecular Biology. 2021, 67(6): 74-81</p> <p>Jin A. Shin, Subin Oh, Jong-Moon Jeong The potential of BEN815 as an anti-inflammatory, antiviral and antioxidant agent for the treatment of COVID-19. Phytomedicine Plus 1(4), 2021, 100058.</p> <p>Mi Jang, Seung-Weon Jeong, Somi K. Cho, Kwang Seok Ahn, Jong Hyun Lee, Deok ChunYang, and Jong-Chan Kim. Anti-Inflammatory Effects of an Ethanol Extract of Guava (Psidium guajava L.) Leaves In Vitro and In Vivo Journal of Medicinal Food. 2014, 17(6):678-85.</p> <p>19-In discussion part, Add reference for this paragraph: The anti-inflammatory action of flavonoids found in guava leaf extract is mainly due to its ability to inhibit the formation of proinflammatory mediators (e.g., adhesion molecules, cytokines, eicosanoids, and C-reactive protein).</p> <p>20-In discussion part: Phytochemical analysis of guava leaf extract shows a high content of flavonoids alongside alternative phytoconstituents, which can be responsible for its, antioxidative and anti-inflammatory properties [16]. A-Which extract? B- shows (write it in past tense) C- alternative phytoconstituents (What is this mean?)</p> <p>21-Table numbers in the manuscript must be in ascending manner (Table 1 followed by Table 2.... and so on). While, in the manuscript Table 4 (The first one in page 6 followed by Table 1)</p> <p>22-750mg (add space between numbers and units) to become 750 mg (Check all in the manuscript)</p> <p>23- <i>Psidium guajava</i> mention the full name of the plant in the first time, then you should use the abbreviated one in the rest of the manuscript (<i>P. guajava</i>).</p> <p>24-You must follow the journal reference style in the reference list. Check also the red high-lighted parts.</p>	
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	<p>25-The methods for measuring MDA, SOD, IL6, CRP and TNF1 must be mentioned.</p> <p>IL-6, TNF In this reference: Samy MN, Hamed ANE, Mahmoud BK, Attia EZ, Abdelmohsen UR, Fawzy MA, Attya ME, Kamel MS. LC-MS based identification of bioactive compounds and hepatoprotective and nephroprotective activities of <i>Bignonia binata</i> leaves against carbon tetrachloride induced injury in rats. <i>Natural Product Research</i>, 2022; 36(5):1375-1379.</p> <p>MDA Hamed ANE, Ismail MM, Abdelmohsen UR, Kamel AA, El-Daly M, Fouad MA, Khattab AR, Kamel MS. Headspace GC-MS and LC-MS based metabolomic study of Waterpipe smoke of unflavored and peach-flavored Moâssel with an insight into their health hazards, <i>Journal of Advanced Biomedical and Pharmaceutical Sciences</i>, 2021;4(2), 69-80.</p>	
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PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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