

Review Form 1.7

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_116671
Title of the Manuscript:	THE ANTI-OXIDATIVE POTENTIALS OF ETHANOLIC EXTRACT OF AVOCADO PULP (<i>Persea americana</i> mill) ON CAFFEINE INDUCED OXIDATIVE STRESS ON WISTAR RATS
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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No, need 2015 to 2023</p> <p>Original Research Article</p> <p>1. (<i>Persea americana mill</i>) mill word should not be ittelic, it is not a part of binomial.</p> <p>2. <i>Persea americana</i> Mill. seed also contain or avocado seed contains phytochemical components such as flavonoids, tannins, saponins, phenolic, and alkaloid. The phenolic compounds of avocado seed are mainly catechin, hydroxybenzoic acid, caffeic acid, chlorogenic acid, coumaric acid, ferulic acid, and triterpenoid glycosides. Its fruit may or not contain caffeine.....mention it in paper Phytochemicals properties of avocado seed: A review H Y Setyawan¹, S Sukardi¹ and C A Puriwangi¹</p> <p>Published under licence by IOP Publishing Ltd IOP Conference Series: Earth and Environmental Science, Volume 733, International Conference on Green Agro-industry and Bioeconomy 25 August 2020, Malang, IndonesiaCitation H Y Setyawan <i>et al</i> 2021 <i>IOP Conf. Ser.: Earth Environ. Sci.</i> 733 012090</p> <p>3. Group two (2) to group six (6) were induced with 200mg/kg caffeine for two weeks. Per day ?</p> <p>4. proviron tab may be testosterone effect ? why it is selected, if alternate pure source available?</p> <p>5. The rats were sacrificed twice after treatment: ambiguous statement, rats in groupsandwere sacrificed twice</p> <p>6. Make clear two weeks after treatment and four weeks after treatment 7. and blood, was collected to measure for oxidative stress markers.</p> <p>8. Caffeine is a psychoactive compound which intake is on the high side effects(13).</p> <p>PROCUREMENT OF ANIMALS Fifty-four (54) healthy and sexually mature male wistar rats were used for this study. The rats werwe housed in a conventional wire mesh cages. 24hrs. when twenty- four hours elapsed, the sample was filtered and the residue was re-extracted</p>	

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	<p>and then subjected to refiltration. The concentration of the filtrate was done at low temperature using water bath. The crude extractplus the reagent bottle was weighed. The difference in weight of the reagent</p> <p>Percentage inhibition = (absorbance of reference- absorbance of test) / absorbance of reference</p> <p>Therefore, Superoxide Dismutase activity in-units/mg-protein=%inhibition</p> <p style="text-align: right;">50 XT</p> <p>ASSAY OF GLUTATHIONE REDUCED (GSH)LEVEL</p> <p>Tables need format adjustment</p> <p>RESULTS AND DISCUSSION</p> <p>RESULTS</p> <p>Table 2 . Proximate content of <i>Persea americana</i> pulp</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PARAMETERS</th> <th style="text-align: left;">MEAN/S.D.</th> <th style="text-align: left;">?????????</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>MOISTURE (%)</td> <td>75.33±2.33</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ASH (%)</td> <td>1.93±0.30</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FIBRE (%)</td> <td>0.90±0.10</td> <td></td> <td></td> <td></td> </tr> <tr> <td>LIPID (%)</td> <td>11.46±1.25</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PROTEIN (%)</td> <td>4.64±0.86</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	PARAMETERS	MEAN/S.D.	?????????			MOISTURE (%)	75.33±2.33				ASH (%)	1.93±0.30				FIBRE (%)	0.90±0.10				LIPID (%)	11.46±1.25				PROTEIN (%)	4.64±0.86				
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Minor REVISION comments																																
1. Is language/English quality of the article suitable for scholarly communications?	Yes																															
Optional/General comments																																

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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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Department, University & Country	Pakistan