



SDI Review Form 1.6

Journal Name:	<u>Journal of Advances in Medical and Pharmaceutical Sciences</u>
Manuscript Number:	Ms_JAMPS_21832
Title of the Manuscript:	Co-administration of Caffeine and Hydromethanolic Fraction of Citrullus lanatus Seeds Extract improved Hematological and Lipid Profile of Wistar Albino Rats
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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	extractions, etc. 2. Why was 80% methanol in water added to the seeds in “four consecutive times”? Was 1000 ml of 80% methanol added 4 times to make a final volume of 4000 ml? 3. Clarify Lines 64-65 to explain the meaning and the essence of this process “The extract was kept in a bucket... the seeds were squeezed...”. It is not clear of how it was done and it makes no sense for the extract at the end. 4. In general, water solubility of caffeine is less than that stated by the author, and thus limits its dissolution at room temperature to less than that stated in the manuscript. The author did not provide any sources of caffeine, so it is not possible to comment on the effect. If the caffeine used is a mixture of some other ingredients, the results should be discussed otherwise. 5. Line 68 “..a gelatinous substance and is diluted” is not clear. How was the substance diluted? How did the author control the quality of the “gelatinous substance” and handle in the animal studies? It is not easy to control and maintain the standard of any gelatinous plant extract and this should be well defined to ensure that the results are validated. 6. How did the animal feed with the test materials? How much? 7. The author mentioned about “...a refrigerator to prevent loss of potency” in Line 69. Antioxidants are usually labile to other factors such as oxygen and light, etc. Are these factors controlled? 8. Please verify the uniformity of the extracts of the CL seeds used (for 21 days).	The extract were carefully covered with aluminium foil and stored in a refrigerator.
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	RESULTS Display of the results: The tables are not well displayed as the group of animals are not specified anywhere in the manuscript. Graphs may be a better option to display the results. Discussion It is not possible to discuss that the results are the effect of antioxidants as caffeine itself has got various effect. The author should investigate on the effect of caffeine before co-administration results are discussed.	The authors believe that the tables are well displayed and the grouped are specified in the table. Discussion have been revised
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		