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Journal Name:	**Journal of Advances in Medical and Pharmaceutical Sciences**
Manuscript Number:	**2015_JAMPS_16310**
Title of the Manuscript:	**Positive Anti-Cadmium Poisoning Anti-Oxidant Effects of Moringa Seed Oil and Cashew Nut Oil in Juvenile Wistar Rats Hippocampus**
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.
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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	**There are many comments on this article:** **Abstract:** **At line-8, properties should be replaced with compounds.** **At line-8, "carotenoids, against" should be corrected to "carotenoids, which exhibit antioxidant effects".** **At line-16, "in group B, E, F" should be corrected to "in groups B, E, F".** **At line-20, "while group C rats" should be corrected to "while groups C and D rats".** **At line-22, the abbreviations of LDH and G6PD should be defined to be "lactate dehydrogenase (LDH) and glucose-6-phosphate dehydrogenase (G6PD)".** **At line-25, the abbreviations SOD and GPx should be defined to be "superoxide dismutase (SOD) and glutathione peroxidase (GPx)".** **At line-25, "significant difference in group C, D, E" should be corrected to "significant differences in groups C, D, E".**	

	Introduction: **At line-33, [22] should be corrected to [1].** **At line-37, [10, 11] should be corrected to [2, 3].** **At line-33, [7] should be corrected to [4].** **At line-39, [18] should be corrected to [5].** **At line-40, [18] should be corrected to [5].** **At line-40, [9] should be corrected to [6].** **At line-41, [4] should be corrected to [7].** **At line-44, [23] should be corrected to [8].** **At line-46, [14] should be corrected to [9].** **At line-51, [3] should be corrected to [10].** **At line-53, [16] should be corrected to [11].** **At line-55, damaged should be corrected to damage.** **At line-56, [5] should be corrected to [12].** **At line-60, [2] should be corrected to [13].** **At line-62, [15] should be corrected to [14].** **At line-65, [17] should be corrected to [15].**	

	At line-67, [8] should be corrected to [16]. **At line-69, [8] should be corrected to [16].** **-The aim of the work should be mentioned at the end of introduction.** **Materials and Methods:** **At line-74, [21] should be corrected to [17].** **At line-84, "while group C and D" should be corrected to "while groups C and D".** **At line-95, the biochemical assays should be described in detail as possible.** **At line-97, [P values being P≤ 0.05" should be corrected to [*P* values ≤ 0.05 were considered statistically significant".** **Results:** **At line-111, are LDH and G6PD histochemical or biochemical assays?** **-The results (either Tables or Figures) should be presented and described in detail in the text of results.** **Discussion:** **At lines-126, 127, "The current investigation on phytochemical properties-and potential protective effects on hippocampus-of Moringa oleifera seed and**	

	Cashew nut extracts" should be corrected to "The current investigation on the potential protective effects of of Moringa oleifera seed and Cashew nut extracts on hippocampus strongly suggest that". **At line-131, [12] should be corrected to [18].** **At line-133, [6] should be corrected to [19].** **At line-137, "in cadmium group rats [20]" should be corrected to "in cadmium treated group of rats, which are in agreement with a previous study [20].".** **At lines-137, 138, 139, 140, "and antioxidant enzyme (SOD and GPx) also so similar characteristic, increase in superoxide dismutase and glutathione peroxidase were evident in cadmium treated group rats as compared with animals in normal control and other treatment animal groups which is significant, hence," should be corrected to "The results of antioxidant enzymes activities showed an increase in SOD and GPx activities in cadmium treated group of rats, as compared with animals in normal control and other treatment animal groups.".** **At line-140, 141, "hence, there was a decrease in SOD, GPx, G6PD and LDH in group D animals which " should be corrected to "There was a decrease in SOD, GPx, G6PD and LDH activities in group D animals, which ".** **At line-143, [1] should be corrected to [21].** **At line-143, "The treatment group animal's" should**	

	be corrected to "The treatment group animals". **At line-144, "restoring evident" should be corrected to "a restoring effect".** **At line-145, [13] should be corrected to [22].** **Conclusion:** **At line-147, "has provide" should be corrected to "has provided".** **References:** **At line-151, reference [1] should be replaced with reference [22].** **At line-152, reference [2] should be replaced with reference [10].** **At line-153, reference [3] should be replaced with reference [11].** **At line-153, "et al" should be replaced with "Latif S, Ashraf M, Gilani AH".** **At line-156, reference [4] should be replaced with reference [7].** **At line-158, reference [5] should be replaced with reference [18].** **At line-160, reference [6] should be replaced with reference [9].**	

	At line-160, the title and journal of reference [6] should be written. **At line-161, reference [7] should be replaced with reference [4].** **At line-163, reference [8] should be replaced with reference [23].** **At line-165, reference [9] should be replaced with reference [14].** **At line-168, reference [10] should be replaced with reference [3].** **At line-172, reference [11] should be replaced with reference [16].** **At line-176, reference [12] should be replaced with reference [5].** **At line-179, reference [13] should be replaced with reference [2].** **At line-181, reference [14] should be replaced with reference [15].** **At line-183, reference [15] should be replaced with reference [17].** **At line-184, reference [16] should be replaced with reference [8].**	

	At line-187, reference [17] should be replaced with reference [21]. **At line-189, reference [18] should be replaced with reference [12].** **At line-191, reference [19] should be deleted because it is not mentioned in the text of the manuscript.** **At line-193, the authors and title of reference [20] should be written.** **At line-194, reference [21] should be replaced with reference [1].** **At lines-195, 196, "Acute Toxicity Studies of Moringa oleifera Ethanol leaf extract" should be in a single sentence in one line.** **At line-198, reference [22] should be replaced with reference [21].** **At line-199, "Chris M. (2008)" is a new reference. What is the number of this reference? I think that it should be deleted.** **Most references are not written in the style and format of the journal.** **-All references must be written in the style and format of the journal as the following:** **Brass SD. Multiple Sclerosis and acute disseminated encephalomyelitis in childhood. Pediatr. Neurol. 2003; 29(3): 227-231.**	

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	The animal ethical committee by which the experimental protocol was approved and the guide for the care and use of laboratory animals should be mentioned.	
Minor REVISION comments	**No**	
Optional/General comments	**No**	

Reviewer Details:

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