

Review Form 3

Journal Name:	International Neuropsychiatric Disease Journal
Manuscript Number:	Ms_INDJ_127771
Title of the Manuscript:	NUTRITIONAL ATTRIBUTES OF Moringa oleifera VIA ANTIOXIDANTS AND ANTI-INFLAMMATORY RESPONSES ABATES ALUMINUM CHLORIDE INDUCED NEUROBEHAVIORAL DEFICITS, BIOGENICAMINES IMBALANCE AND HIPPOCAMPAL NEURODEGENERATION IN ADULT MALE WISTAR RATS
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The recent spread of toxic elements has attracted attention of researchers to focus on silent toxicity hacked human body through nutrients eaten as health food. After effect of such low concentration all over the course of human life afford the study more importance. The replacement more and more of pharmaceutical products with natural plants, give the study a particular humanistic label.	
Is the title of the article suitable? (If not please suggest an alternative title)		

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<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>		
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The study description has well detailed, the number of rats has sufficient, doses of both toxic ingredient and the main healer plant were given with details of administration, behavioral tests assessing spatial memory of rats and histological sections confirmed the beneficial effects of <i>Moringa</i>.</p> <p>The introduction has included main characteristics of the disease and its negative impacts on society. Aluminum negative effects on molecular level aggravating Alzheimer has well explained. Finally, worldwide distribution of the plant and some of its characteristics has cited and enclosed with the aim of the study.</p> <p>All details about the collection, extraction of the plant has recorded. Housing and acclimatizing of rats</p> <p>All details about procedures used in biochemical analyses reflected the good choice of the author.</p> <p>All procedures are harmonious as behavioral tests and histological sections will give agreed results about the principal effect of the plant and aluminum.</p> <p>Morris water maze known with the duration of escape latency “from the main quadrant”, the more it increases the more this indicates impairment of memory, and this study revealed decrease of latency in treated group with morenga.</p> <p>These results have been confirmed with those of Y-maze and increase in exploratory distance in open field test.</p> <p>Restored effect of MO of all antioxidant enzymes CAT, SOD and GSH confirmed results of behavioral tests.</p> <p>The decrease in oxidative stress markers as (MDA, NO and H₂O₂ is in accord with results about levels of antioxidant enzymes.</p> <p>Restored effects of MO against alterations caused with AlCl₃ has attained the brain monoamine neurotransmitters; where it increased dopamine, serotonin and norepinephrine.</p> <p>MO has adjusted concentrations of all of Na⁺, Ca²⁺, Cu²⁺ and Zn²⁺, especially the crucial effect of sodium and Calcium in neurotransmission. Zinc in other hand increased and accorded with antioxidant enzymes.</p> <p>The conclusion reflects main objective of the study, moringa has really treated all defects caused with aluminum at all levels molecular, behavioral and biochemical level, this will help for prevention of memory impairment and encouraged for further studies to precise effective concentrations appropriate for human body.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>Behavioral tests have well presented, but exact days of tests has not noticed. It would prefer the author cited the main cause of dedicating right hemisphere for histological processing and left hemisphere for biochemical study.</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>	

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