

Review Form 3

Journal Name:	Asian Journal of Research and Reports in Neurology
Manuscript Number:	Ms_AJORRIN_124031
Title of the Manuscript:	EVALUATION OF STACHYTERPHETA JAMAICENSIS ETHANOL EXTRACT ON LIFESPAN, OXIDATIVE STRESS AND NEUROTOXICITY IN TRANSGENIC DROSOPHILA MODEL OF PARKINSON'S DISEASE
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	I like the manuscript for this model of Parkinson's disease but there was deficient in discussion and there was no comment on GSH as an antioxidant marker. There is no evidence of neurotoxicity on brain or midbrain by histology or immunohistochemistry of tyrosine hydroxylase as it is mandatory in Parkinsonian model.	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
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.	yes	
Are subsections and structure of the manuscript appropriate?	yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This manuscript is scientifically correct as the model is very strong regarding Parkinson's disease. I think the extract may be used in this disease and decrease its prevalence.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Many reference should be up dated De Lazzari et al., 2020 Siddique, Y. H. (2022).	

Review Form 3

<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>yes</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1- How the dose of stachyterpheta jamaicensis ethanol extract was determined for this study, and was it optimized for neuroprotective effects? Was there minimum dose for toxicity? 2- Was there any toxicity of this extract on the brain and body in drosophila or any species? 3- Were there any specific reasons for choosing this model as the focus of this study in relation to Parkinson's disease 4- Why acetyl choline activity, protein carbonyl content and thiol determination in this study, what did this markers measure? 5- What are the potential limitations of this study, particularly in translating the findings to human models of Parkinson's disease? 6- How did the study ensure the consistency and reliability of locomotor activity and is there any other test to ensure this result? 7- Was there sample size calculation? Why you choose ten flies only in each group? 8- Were there any dose-response studies conducted to optimize the stachyterpheta jamaicensis ethanol extract dosage for maximum neuroprotective effect, and how does the chosen dose compare with doses used in previous studies? 9- GSH, NO, SOD should be measured as antioxidant marker profile? 10- Correlate between increasing in MDA and Locomtor activity? 11- Correlate between increasing in MDA and survival (Life span)? 12- Provide complete p value for all your histograms. 	

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

Reviewer Details:

<p>Name:</p>	<p>Dina Abdalla Abd El-shafik Arida</p>
<p>Department, University & Country</p>	<p>Mansoura University, Egypt</p>