



SDI Review Form 1.6

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_53801
Title of the Manuscript:	Determination of Acetylcholinesterase and Butylcholinesterase inhibitory activities of <i>G. asiatica</i> and <i>G. tiliaefolia</i> (family Tiliaceae) leaves..
Type of the 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>)



[SDI Review Form 1.6](#)

**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><b>Compulsory</b> REVISION comments</p>	<p><b>Title:</b> The study has been completed already. So the possible title should be:  <b>“Anti-Acetylcholinesterase and anti-Butyrylcholinesterase activities of <i>G. asiatica</i> and <i>G. tiliaefolia</i> (Tiliaceae) leaves”.</b></p> <p><b>ABSTRACT</b>  <b>Methodology, re-write:</b> In this study, cholinesterase inhibitory effects of different fractions of crude ethanol extract of both plants were examined using swiss albino mice at 300 mg/kg b.w. dose. We determined anti-acetylcholinestrse (AChE) and anti-butyrylcholinestrse (BChE) activities using slightly modified Elman coupled enzyme assay.</p> <p><b>Results, line 2, write:</b> were exhibited by PEF and CLF of <i>G.asiatica</i> with the IC<sub>50</sub> values found to be 55.88µg/ml and 26.14</p> <p><b>1. INTRODUCTION</b></p> <p><b>Line 9, write:</b> AD associated with memory impairment that progressively declines in cognitive abilities and behaviors,</p> <p>Line 14, write: <i>tiliaefolia</i> belonging to the family Tiliaceae [5] are trees that have been used in traditional medicine to relief of</p> <p>Line 18, write: plants <i>G. asiatica</i> and <i>G. tiliaefolia</i> possess ...</p> <p>Line 20, write: ... the neuroprotective effects of</p> <p><b>2. MATERIALS AND METHODS</b></p> <p><b>2.1. Collection of the plant materials and preparation of extracts</b></p> <ul style="list-style-type: none"> <li>➤ Why collect whole plants when only the leaves were required in the study?</li> <li>➤ Description of extract preparation is incomplete</li> <li>➤ Also describe how each fraction was prepared</li> <li>➤ Describe the dose of the plants extract used and why the choice of the dose</li> </ul> <p><b>2.2. Drugs and chemicals</b></p> <p><b>2.3. Anti-acetylcholinesterase activity assay</b></p> <ul style="list-style-type: none"> <li>➤ Describe how the animals were sacrificed and the brain collected</li> </ul>	



	<p>➤ Separate this section into: principle and procedure</p> <p><b>2.4. Anti-butyrylcholinestrerase activity assay</b></p> <p>➤ Also separate this section into: principle and procedure</p> <p>2.5. Describe how the data collected was analyzed</p> <p><b>3. RESULTS</b></p> <p><b>3.1 Acetyl cholinesterase inhibitory activity assay of <i>G. asiatica</i></b></p> <p>Lines 4-5, write: The results for anticholinesterase activity of the different fractions of the crude ethanol extract of <i>G. asiatica</i> are given in Table 1.</p> <p>Table 1, title, write: <b>Table 1: Acetylcholinesterase inhibitory ... different concentrations.</b></p> <ul style="list-style-type: none"><li>➤ Provide a Legend to Table 1</li><li>➤ Figs. 3 and 4 are not announced in the text.</li><li>➤ Write Figure title below the Figure</li></ul> <p><b>3.2 Acetyl cholinesterase inhibitory activity assay of <i>G. tiliaefolia</i></b></p> <p>Lines 4-5, write: The results for anticholinesterase activity of the different fractions of the crude ethanol extract of <i>G. tiliaefolia</i> are given in Table 2.</p> <p>Table 2 title, write: <b>Table 2: Acetylcholinesterase inhibitory activity ...at different concentrations.</b></p> <ul style="list-style-type: none"><li>➤ Provide a Legend to Table 2</li><li>➤ Revise title of Fig.5 (did you use ethanol or methanol)</li><li>➤ Figs. 5 and 6 are not announced in the text</li><li>➤ Write Figure title below the Figure</li></ul> <p><b>3.3 Butyrylcholinesterase inhibitory (BchE) activity assay of <i>G. asiatica</i></b></p> <p>Revise this section as the preceding (3.2) section</p> <p><b>3.4 Butylcholinesterase inhibitory (BchE) activity assay of <i>G. titiaefolia</i></b></p> <ul style="list-style-type: none"><li>➤ Revise this section as the preceding (3.2 and 3.3) sections</li></ul> <p><b>4. DISCUSSION</b></p> <p>Line 1, write: Alzheimer's disease (AD) is a progressive neurodegenerative disorder characterized by loss of memory</p> <p>Line 10, write: acetylcholine and is a promising strategy for the development ...</p> <ul style="list-style-type: none"><li>➤ Provide a detailed phytochemical composition of each plant</li><li>➤ Explain why/how both plants were able to induce anti-cholinesterase and anti-butyryleaterase activities</li><li>➤ Literature cited in this section is inadequate (just 2 citations). Cite more, appropriate and recent literature.</li></ul>	
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--



**SDI Review Form 1.6**

	<p><b>REFERENCES</b></p> <ul style="list-style-type: none"> <li>➤ Be consistent in writing journal names</li> <li>➤ Write all journal names in full and italics</li> <li>➤ See a recent volume of the journal in writing this section of the manuscript</li> </ul>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	<ul style="list-style-type: none"> <li>➤ Ensure proper editing of manuscript</li> <li>➤ Revise the numbering of the sub-sections of "MATERIALS AND METHODS"</li> <li>➤ Do not underline the sub-sections of "MATERIALS AND METHODS"</li> </ul>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes. Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b><i>Egbe B. Besong</i></b>
Department, University & Country	<b><i>University of Buea, Cameroon</i></b>