

## Review Form 1.6

Journal Name:	<a href="#">Journal of Advances in Medical and Pharmaceutical Sciences</a>
Manuscript Number:	Ms_JAMPS_81808
Title of the Manuscript:	Chemical Composition, Antioxidative and Anti-hyperglycemic Activity of Combined Seed Extracts of <i>Xylopi</i> a <i>aethi</i> o <i>p</i> i <i>c</i> a and <i>Trichilia emetica</i> in Alloxan Induced Diabetic Wistar Rats.
Type of the Article	Data 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:

(<https://www.journaljamps.com/index.php/JAMPS/editorial-policy> )

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**PART 1: Review Comments**

	<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>Compulsory</b> REVISION comments	<b>Authors should include statement on ethical approval and indicate if approval was obtained for the study</b>	
<b>Minor</b> REVISION comments	<p>I would suggest that authors include information on body weight changes, survival rate and effect of the treatments on the haematological and biochemical profile of the rats used for the study. This would help us to appreciate the safety of the treatments which is equally important</p> <p>Abstract</p> <ol style="list-style-type: none"> <li>1. State what the Normal control group received</li> <li>2. Abbreviations ATX and ETX are not well defined</li> </ol> <p>Introduction</p> <ol style="list-style-type: none"> <li>1. Unwanted side effects such as ... (kindly list some of those side effects)</li> <li>2. The introduction looks good, however the authors failed to mention why they chose to investigate these plants in diabetes control. Was their choice based on traditional use or just a trial study</li> </ol> <p>Materials and methods</p> <ol style="list-style-type: none"> <li>1. Kindly quote the voucher number given to the plant after authentication</li> <li>2. The yield of extract obtained should be stated in either extract preparation or results</li> <li>3. I suggest that authors briefly describe how SOD, catalase, GSH and MDA were specifically determined in their study</li> <li>4. State the statistical software/tool used for analyses of the data obtained (under "statistical analysis of data)</li> </ol> <p>Results</p> <ol style="list-style-type: none"> <li>1. Show significance with a symbols or letters on the figure/graphs</li> <li>2. Authors stated that the values presented in table 2 are percentage composition. Summation of the percentages under each extract is more than 100, so what % is being referred.</li> <li>3. In figures 1,2 and 3, authors should use symbols or letters to demonstrate significance. Abbreviations in the figures should be written in full as figure legends. Meaning of bars should be stated with number of animals considered stated as well</li> <li>4. Why are animals in "Normal Control" having low glucose concentrations? The authors stated in table 1 that they were all induced with diabetes, however animals in Normal control were treated with distilled water only. Therefore, I expect them to have increased glucose concentration contrary to what has been reported.</li> <li>5. Authors keep quoting p-values which are not visible from the figures provided. They should present the figures appropriately or convert them to tables.</li> <li>6. There is no mention of TBARS in methods and equally not in any of the images in figure 3, so which TBARS is being referred to in the results.</li> </ol>	
<b>Optional/General</b> comments		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details).</i> Yes, Authors must provide statement confirming that the study was approved by an ethical review board and provide approval number where necessary.	

**Reviewer Details:**

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Department, University & Country	<b>University of Cape Coast, Ghana</b>