



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Journal of Biochemistry Research &amp; Review</a>
Manuscript Number:	Ms_IJBCRR_25425
Title of the Manuscript:	<b>Preliminary Study of Antidiabetic Activity of the Methanolic Leaf Extract of Axonopus Compressus (P. Beauv) in Alloxan Induced Diabetic Rats</b>
Type of the Article	<b>Original Research Article</b>

**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>)



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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	<ol style="list-style-type: none"> <li>1. In your study design you included 20 mice of both gender for toxicity evaluation, what is the rationale of using both gender? Where are the results and discussion of this study? Which parameters did you evaluate for toxicity activities of <i>A compressus</i>? "For instance, Hematological indices, biochemical parameters, Histopathology, Phytochemistry and Mineral element Analysis." # If you did toxicity tests, please revise your title too. I propose, "Preliminary Study of Antidiabetic Activity and Safety of the Methanolic Leaf Extract of <i>Axonopus Compressus</i> (P. Beauv) in Alloxan Induced Diabetic Rats" #Please eliminate this part of toxicity from this article if you erroneously included it or include the results and discussion for safety evaluation if you did it</li> <li>2. What do you attribute to the antidiabetic effect of your extract? Please discuss more on these factors especially the phytochemicals and trace elements that have been found to contain hypoglycemic effect from other researches. I recommend you to refer to, Arika et al., 2015, "Hypoglycemic Effect of <i>Lippia javanica</i> in Alloxan Induced Diabetic Mice. J Diabetes Metab, 6(624), 2." &amp; Arika et al., 2016," Mineral Elements Content of Selected Kenyan Antidiabetic Medicinal Plants."</li> <li>3. In the first paragraph of your introduction you state, "Diabetes is a major degenerative disease in the world</li> </ol>	



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	<p>today, affecting at least “<b>15 million people...</b>” Please refer the recommended prevalence and incidence rate of diabetics globally from WHO documentations.</p> <ol style="list-style-type: none"><li>4. Indicate clearly the average weight of the rats used in this study</li><li>5. Please change the sub-title, “Regrouping of the Animals” to “Study Design”</li></ol>	
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<p><b>Minor</b> REVISION comments</p>	<p>There are some typographical errors,                  # In the abstract correct “gilibenclamide” to “glibenclamide”                  # In the first paragraph of introduction replace “hemostasis” with “homeostasis”                  # In the Introduction, avoid using “etc” and the word “Therefore” is proceeded with a comma                  #In the first paragraph of Materials and Methods correct “maual” to “manual”                  #In the discussion correct “aloxan” to “alloxan”                  #In the discussion section correct.... Leading to a “<b>reduce</b>” efflux of potassium concentration... to “<b>reduced</b>”                  # Discussion section, remove the phrase, “... <b>due to the increase in the uptake of blood glucose.</b>” From the statement which starts as, This suggest that <i>A. compressus</i> extract could stimulate insulin secretion from the remnant beta-cells or from regeneration beta-cells like the reference drug <i>due to the increase in the uptake of blood glucose.</i>                  # Always italicize botanical names                  # In the Discussion section “Moreso” should be proceeded with a comma and please provide a citation in the statement that began with “Moreso...”</p>	
<p><b>Optional/General</b> comments</p>	<p>This is a good study as it scientifically validates the folkloric usage of <i>Axonopus compressus</i> in the management of diabetes mellitus in most parts of Nigeria</p>	

**Reviewer Details:**

Name:	<b>Wycliffe Arika</b>
Department, University & Country	<b>Department of Biochemistry &amp; Biotechnology, Kenyatta University, Kenya</b>