

Review Form 1.6

Journal Name:	Asian Food Science Journal
Manuscript Number:	Ms_AFSJ_89078
Title of the Manuscript:	Antidiabetic Potentials of Flour Composites of Finger Millet, Bambara Groundnut and 'Khain' (Lecaniodiscus Cupanioides) on Alloxan-Induced Diabetic Rats
Type of the Article	Original Research 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.journalafsj.com/index.php/AFSJ/editorial-policy>

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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)
Compulsory REVISION comments	1- The topic is important and required and the author contributed to it. 2- The author rewrites and paraphrases the summary and conclusion as shown in red 3- The author needs a clear reformulation of the introduction as shown in red. 4- The author did not perform chemical analyzes and did not mention the flour components of millet, groundnut, and cayenne (<i>Lecaniodiscus cupanioides</i>), which is the main point of the research. 5- The author needs to review the methods used in preparing different meals from each type of millet flour, peanut flour, and "chain" and especially khain. 6- The author must clarify the diet mixtures used for each type, with writing the complete abbreviations the first time to be clear to the reader. 7- The author needs to re-draft the manuscript's protocol to clarify the division of rat groups and to specify the feeding period and the experimental period. 8- The author presents a certificate of ethics for dealing with experimental animals in how to obtain their blood samples. 9- The author did not clarify the type and product of the device used in the method of separating serum or plasma and the conditions of separation. The author mentioned that the blood samples he obtained were divided into two parts, and the measurements were made in one part and the other part where it went and why this division if it had no purpose for other measurement. 10- The author should write references and abbreviations at the bottom of each table or figure for clarification. 11- Author needs to work and add some measurements such as globulin, glycogen, uric acid and responsible liver enzymes such as glucose-6-phosphatase and others. 12- Statistical analysis needs references and clarification of the number of replicates and samples used to clarify and avoid the high degree of dispersion. 13- The author did not address the effect of alloxan and free radicals that cause cirrhosis of the liver and pancreas cells and disrupt insulin secretion and thus lead to high blood sugar. 14- The results need to be reformulated and presented in a more appropriate and clear manner to improve the quality of the manuscript. 15- The author did not explain the weight measurements of the rats weekly or at the end of the experiment period. 16- The author clearly omitted all of his conclusions in which he indicated that all the effects and results in that manuscript are due to components not mentioned that they are found in the three materials used in the manuscript such as fibers or one of its components, and he does not know that those fibers are manifold, some of them are soluble and insoluble, cellulosic and non-cellulosic. As well as phytochemicals and their components such as phenols and others. 17- Finally, the decision to publish is left to you and the members of the editorial board of the magazine.	
Minor REVISION comments	1- The author rewrites and paraphrases the summary and conclusion as shown in red 2- The author needs a clear reformulation of the introduction as shown in red. 3- The author needs to review the methods used in preparing different meals from each type of millet flour, peanut flour, and "chain" and especially khain. 4-8- The author presents a certificate of ethics for dealing with experimental animals in how to obtain their blood samples. 5- The author did not explain the weight measurements of the rats weekly or at the end of the experiment period.	
Optional/General comments	1- The author did not perform chemical analyzes and did not mention the flour components of millet, groundnut, and cayenne (<i>Lecaniodiscus cupanioides</i>), which is the main point of the research. 2- The author must clarify the diet mixtures used for each type, with writing the complete abbreviations the first time to be clear to the reader. 3- The author needs to re-draft the manuscript's protocol to clarify the division of rat groups and to specify the feeding period and the experimental period. 4- The author should write references and abbreviations at the bottom of each table or figure for clarification. 5- Author needs to work and add some measurements such as globulin, glycogen, uric acid and	

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	<p>responsible liver enzymes such as glucose-6-phosphatase and others.</p> <p>6- The author did not address the effect of alloxan and free radicals that cause cirrhosis of the liver and pancreas cells and disrupt insulin secretion and thus lead to high blood sugar.</p> <p>7- The results need to be reformulated and presented in a more appropriate and clear manner to improve the quality of the manuscript.</p> <p>8- The author clearly omitted all of his conclusions in which he indicated that all the effects and results in that manuscript are due to components not mentioned that they are found in the three materials used in the manuscript such as fibers or one of its components, and he does not know that those fibers are manifold, some of them are soluble and insoluble, cellulosic and non-cellulosic. As well as phytochemicals and their components such as phenols and others.</p> <p>Constructive criticism</p> <p>1- I think that this paper is not a complete scientific research, but it is depend on or transferred from other research that may be contains that effective materials .</p> <p>2- In presenting the topic, the author relied on the sayings of some researchers without explaining the components of the three materials used and their results, which may contribute to prevention or treatment of hyperglycemia.</p> <p>3-The author did not do rigorous research work to develop effective diets contains the three materials used in the present study for prevention or treatment of hyperglycemia.</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>	

Reviewer Details:

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