

Review Form 3

Journal Name:	Asian Journal of Biotechnology and Genetic Engineering
Manuscript Number:	Ms_AJBGE_126981
Title of the Manuscript:	Anti-Diabetic Potential of Anacardium Occidentale Leaf Extract in Alloxan-Induced Diabetic Albino Rats
Type of the Article	Research Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<p>This manuscript provides valuable insights into the anti-diabetic potential of <i>Anacardium occidentale</i> (cashew) leaves extract in an alloxan-induced diabetic rat model, highlighting its bioactive properties that may help modulate blood glucose levels and address diabetes-related complications. The use of a well-established diabetic model adds scientific rigor, making the findings relevant to researchers exploring plant-based therapies. Overall, the study contributes to the growing body of evidence supporting the therapeutic use of <i>Anacardium occidentale</i> in diabetes management and opens the door for future research in this area.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Not</p> <p>The title should be revised to clarify that more than 1 leaf was used in the study. Also, add a solvent name. A suggested revision could be:</p> <p>Revised Title: Anti-Diabetic Potential of <i>Anacardium Occidentale</i> [aqueous] [leaves extract] in alloxan-induced diabetic albino rats</p>	
<p>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.</p>	<p>The solvent description in the Abstract ("aqueous solvent") differs from that in the Materials and Methodology section ("water"). Make it precise. Because this will impact the extraction efficiency and bioactive content. In the keyword section, ensure that the plant's scientific name is italicized. Suggested revision: In the abstract, make sure the plant species name appears in italics wherever referenced.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>The paper is likely to be accepted after the suggested revisions, which will enhance clarity, consistency, and professionalism. Addressing issues with the title, citations, and methodology ensures scientific accuracy and reproducibility. Strengthening the statistical analysis and discussion will improve the scientific argument while adhering to the journal's guidelines will enhance the presentation. These revisions will increase the study's robustness, alignment with current research, and potential for meaningful contribution to the field.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :</p>	<p>Ensure that the references follow the specific formatting guidelines of the journal, including the correct numbering order. List the references at the end of the manuscript in the order they appear in the text. Add more latest references. Suggested revision: References should be numbered in the order they are cited in the manuscript and formatted according to the journal's guidelines. Ensure that all references adhere to the proper citation style.</p>	

Review Form 3

<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Eliminate any sections where there is unnecessary repetition or where all-caps text has been used incorrectly. Ensure that the manuscript maintains consistent style and formatting throughout.</p> <p>Suggested revision: Please carefully review the manuscript for any repeated phrases or words. Ensure consistent use of proper capitalization and maintain a professional tone throughout the paper.</p>	
<p>Optional/General comments</p>	<p>1) Title:</p> <p>The title should be revised to clarify that more than 1 leaf was used in the study. Also, add a solvent name. A suggested revision could be:</p> <p>Revised Title: Anti-Diabetic Potential of <i>Anacardium Occidentale</i> [aqueous] [leaves extract] in alloxan-induced diabetic albino rats</p> <p>2) Abstract:</p> <p>In the keyword section, ensure that the plant's scientific name is italicized.</p> <p>Suggested revision: In the abstract, make sure the plant species name appears in italics wherever referenced.</p> <p>3) Introduction:</p> <p>Add a diabetes development in the sample collection's city or state with reference and also include why only Leaves were chosen for this study, but not a whole plant or other part of parts like roots, flowers, etc.</p> <p>Repetition of certain words or phrases can be eliminated for clarity and conciseness. Add a sentence at the end of the introduction specifying which part of the plant was used in this study. This could be revised as:</p> <p>Suggested revision: "This study primarily focuses on the <i>Anacardium occidentale</i> [leaves], as they are known for their multiple therapeutic activity."</p> <p>4) Materials and Methods:</p> <p>Specify whether the maceration procedure used was cold or hot, as this will impact the extraction efficiency and bioactive content. Also, The solvent description in the Abstract ("aqueous solvent") differs from that in the Materials and Methodology section ("water").</p> <p>Make it precise. Because this will impact the extraction efficiency and bioactive content.</p> <p>Suggested revision: "The plant material was subjected to [cold/hot] maceration with [solvent], following standard procedures for plant extract preparation."</p> <p>Include a reference for AST activity to provide credibility and support to your methodology.</p> <p>Suggested revision: "AST activity was measured as per the method described by [Author(s), Year]."</p> <p>Ensure there is a space between words and punctuation in the figure captions.</p> <p>5) Statistical Analysis:</p> <p>Consider adding a suggestion for a more robust statistical analysis, such as Tukey's HSD or Duncan's Multiple Range Test (DMRT), for more precise and reliable results.</p> <p>Suggested revision: For more accurate statistical analysis, Tukey's HSD or Duncan's Multiple Range Test (DMRT) is recommended to assess significant differences between treatment groups.</p> <p>6) Discussion:</p> <p>Integrate a comparison of your findings with previous research, emphasizing how your results align or contrast with established data.</p> <p>Suggested revision: "The results of this study corroborate the findings of [Author(s), Year], who reported similar effects of [Plant Name] in [condition/setting]. Recent advancements in phytochemical research have highlighted the role of compounds such as [list relevant compounds] in modulating diabetes-related pathways."</p> <p>Discuss the relationship between phytochemicals and diabetes management, if applicable.</p> <p>7) References:</p> <p>Ensure that the references follow the specific formatting guidelines of the journal, including the correct numbering order. List the references at the end of the manuscript in the order they appear in the text. Add more latest references.</p> <p>Suggested revision: References should be numbered in the order they are cited in the manuscript and formatted according to the journal's guidelines. Ensure that all references adhere to the proper</p>	

Review Form 3

	<p>citation style.</p> <p>8) Overall Edits: Eliminate any sections where there is unnecessary repetition or where all-caps text has been used incorrectly. Ensure that the manuscript maintains consistent style and formatting throughout. Suggested revision: Please carefully review the manuscript for any repeated phrases or words. Ensure consistent use of proper capitalization and maintain a professional tone throughout the paper.</p> <p>9) Final Recommendation: It is suggested that you review recent publications in the journal to ensure your manuscript is aligned with current formatting and presentation standards. Suggested revision: For a better understanding of the journal's specific requirements, we recommend reviewing recent articles published in this journal. By applying these revisions, the manuscript will be more precise, professional, and aligned with the journal's guidelines, increasing the likelihood of acceptance with minor revisions.</p> <p>The paper is likely to be accepted after the suggested revisions, which will enhance clarity, consistency, and professionalism. Addressing issues with the title, citations, and methodology ensures scientific accuracy and reproducibility. Strengthening the statistical analysis and discussion will improve the scientific argument while adhering to the journal's guidelines will enhance a presentation. These revisions will increase the study's robustness, alignment with current research, and potential for meaningful contribution to the field.</p>	
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PART 2:

	Reviewer's comment	Author's comment (if agreed with the 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?	<p>I can outline some common ethical issues to look for in your review: If the study involves human or animal subjects, it is crucial to ensure that appropriate ethical approval has been obtained. In a manuscript, it is written where rats collection was done. However, there were no statements in the manuscript indicating that ethical approval was obtained for the study.</p>	

Reviewer Details:

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