

## Review Form 1.7

Journal Name:	<a href="#">International Research Journal of Gastroenterology and Hepatology</a>
Manuscript Number:	Ms_IRJGH_117082
Title of the Manuscript:	BIOCHEMICAL CHANGES IN STREPTOZOTOCIN-INDUCED DIABETIC RATS FED WITH HIGH CONCENTRATION OF COLOCASIA ESCULENTA FLOUR.
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://journalirjgh.com/index.php/IRJGH/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)
<p><b>Compulsory REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<ol style="list-style-type: none"> <li>Yes, the manuscript is important for the scientific community as it explores the potential of cocoyam flour in managing diabetes mellitus, offering a cost-effective and accessible treatment option, especially relevant for low-resource settings.</li> <li>The title is somewhat suitable but could be more specific. Suggested alternative: <b>"Evaluating the Antidiabetic and Antioxidant Properties of Cocoyam Flour in Streptozotocin-Induced Diabetic Rats"</b>.</li> <li>Yes, the abstract is comprehensive. It summarizes the study's objectives, methods, key findings, and conclusions effectively.</li> <li>Yes, the subsections and structure of the manuscript are appropriate, clearly organizing the introduction, methods, results, discussion, and conclusion sections.</li> <li>Yes, the manuscript appears scientifically correct, with well-documented methods, appropriate controls, and conclusions supported by the data presented.</li> <li>The references listed cover a wide range of relevant topics and include recent sources up to 2023, indicating that they are sufficient and up-to-date. However, there are some older references (e.g., from 1992, 1995, and 2000) that might be worth updating with more recent studies to ensure the most current information is represented.</li> </ol>	
<p><b>Minor REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>The language quality of the article is inadequate for scholarly communication due to numerous grammatical errors, awkward phrasings, and inconsistent verb tense usage.</p>	
<p><b>Optional/General</b> comments</p>	<ol style="list-style-type: none"> <li>Can the study elucidate the mechanisms underlying the observed hypolipidemic and hepatoprotective effects of cocoyam flour despite its hyperglycemic impact?</li> <li>Given the conflicting findings on blood glucose control, how might the effects of cocoyam flour evolve over longer intervention periods, and what implications could this have for its clinical utility?</li> <li>Was there any exploration of dose-dependent effects of cocoyam flour on the biochemical parameters measured, and if so, what were the findings?</li> <li>How do the effects of cocoyam flour compare with existing pharmaceutical interventions for T2DM and dyslipidemia in terms of efficacy and safety?</li> <li>Considering the promising preclinical results, are there any plans to conduct clinical trials to assess the efficacy and safety of cocoyam flour in humans with T2DM?</li> <li>What cultural or socioeconomic factors might influence the acceptability and accessibility of cocoyam flour as a potential therapeutic agent in communities where it is traditionally consumed?</li> <li>Did the study analyze the nutritional composition of cocoyam flour to understand its potential as a dietary supplement beyond its medicinal properties?</li> </ol>	

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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>	

**Reviewer Details:**

Name:	<b>Md Saifur Rahman</b>
Department, University & Country	<b>Chittagong University of Engineering and Technology(CUET), Bangladesh</b>