

Review Form 1.7

Journal Name:	International Research Journal of Gastroenterology and Hepatology
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>)

Review Form 1.7

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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> This manuscript holds significant importance for the scientific community as it explores the biochemical effects of Colocasia esculenta flour on streptozotocin-induced diabetic rats. This research contributes valuable insights into alternative treatments for type-2 diabetes mellitus (T2DM), particularly beneficial for resource-limited settings where cost-effective and accessible treatments are critically needed. The current title is appropriate, but a slight modification could enhance its clarity. Suggested title: "Biochemical Effects of Colocasia Esculenta Flour on Streptozotocin-Induced Diabetic Rats". The abstract is generally comprehensive but requires minor edits for clarity and coherence. For instance, the phrase "CYN was processed into pellets" should be corrected to "CYN was processed into pellets". The manuscript's subsections and structure are well-organized, with distinct sections for the introduction, methodology, results, and discussion. However, some sections would benefit from more detailed subheadings to improve navigability for the reader. The manuscript appears scientifically sound. However, additional clarifications are needed, particularly concerning the specific biochemical pathways influenced by the bioactive compounds in Colocasia esculenta. The references included are adequate and up-to-date. To further strengthen the discussion, it would be beneficial to incorporate more recent studies on the hypoglycemic effects of Colocasia esculenta. <p><u>Additional Suggestions/Comments:</u></p> <ul style="list-style-type: none"> Clarify the statistical methods used in the analysis, ensuring that all results are substantiated by statistical evidence. Ensure all figures and tables are clearly labelled and referenced in the text. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> The language quality is generally good but requires some grammatical corrections and improvements in sentence structure for enhanced readability. 	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> Consider adding a section discussing the potential mechanisms of action for the observed biochemical changes. <p>This manuscript is well-researched and provides significant insights into the potential therapeutic use of Colocasia esculenta flour for managing type-2 diabetes mellitus. While minor revisions are necessary to enhance clarity and precision, the study's findings are valuable and contribute meaningfully to diabetes research.</p>	

Review Form 1.7

PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Saleh Ahmed Jalal Siam
Department, University & Country	American International University, Bangladesh