



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_26473
Title of the Manuscript:	EFFECT OF METANOLIC TOTAL EXTRACT OF CHRYSOPHILLUM PERPULCHRUM ON LIPEMIA, AND BLOOD PRESSURE IN RATS MADE DIABETIC BY STREPTOZOTOCIN
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

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	Page 1 Line 2: Remove the heading, "TITLE:". Also Metanolic should be corrected to Methanolic. ABSTRACT Report abstract under the following subheadings: Aims, Methodology, Results, Conclusion. Aim should be concise and avoid repetition of introduction within abstract. Methodology here does not correlate with what is in the text. In few sentences, explain what you did, with reference to sample preparation and animal treatment. The doses as stated here are not comprehensible. Introduction Numbering of headings and sub-headings should be as recommended by SDI guideline. The author should review the entire "introduction" for grammatical and scientific correctness, and better understanding. If work is translated from another language, a more efficient translator should be used. Material and Methods Methods/procedures for phytochemical study, blood pressure measurement, glucose test, lipid profiling, renal function (urea and creatinine) tests, histology and others should be reported in the methodology.	Thank you very much for your comments and suggestions that helped me to improve the manuscript. Page 1 The title has been revised Abstract; Introduction; Material and Methods; Results; References and Tables and Figures: Your remarks and suggestions have been taken into account in the final manuscript. thank you.



SDI Review Form 1.6

	Results Table and figures should be placed inside the text as per their appearance. See SDI guidelines. References There should be no numbering for references. The references require total review. Author should consult SDI guideline for referencing.] Tables and Figures Tables and figures should be placed inside the text. Vestiges of non-English words should be fully translated into English Language. Tables should be numbered in Arabic numerals-1,2,3 etc. Use full stop after table or figure number (not colon). Also start table title with capital letter- see Table 1.	
--	---	--



SDI Review Form 1.6

Minor REVISION comments	ABSTRACT Line 11: ...in diabetic rats [.] Made [delete] Line 12: Material and Methodology [Methodology] Line 13: ..extracted in methanol [what percentage?] Lines 14/15: see comment under Compulsory REVISION comments. Line 16: ..triphytochemique [phytochemical analysis] of... Line 18: ..methanolic total [why total. Is there another extract? If not, "methanolic extract" should suffice] extract.. Line 19: ..diabetics [diabetic rats] significantly..... of [from]...for the dose of 200 [mg/kg bw] [Your abstract made no mention of induction of diabetics. Why?] Line 21: ..normalizes [normalized]blood pressure, all of [remove] lipid, urea and creatinine levels previously brought to the increase [increased] in diabetic rats. Line 23: ...diabetic rats by [with] Line 24: ...improves resistance against diabetes [I don't agree with that! The extract only had effect on indicators of diabetics] Line 25:... is related to [may be related to] Line 27: ..carbohydrate metabolism. Lipid[carbohydrate and lipid metabolism] Introduction [Numbering of headings and sub-headings should be as recommended by SDI guideline] Line 31: Which [this] results....metabolism from power[what's that?] Line 32: [use the recommended citation style as provided in the SDI guideline for all your citations] Line 32: hypoglycaemic [do you mean hypoglycemics] Line 34: indeed [whereas]....diabetics [diabetic cases]	We specified " total extract " because there may be other types of extracts; for example, extracts obtained by partition, after chromatography of the total extract etc ... Apart from a few answers here, I think your comments and suggestions were taken into account. The harvesting of organs for establishing histological sections mentioned in section 3.5 on line 110 I agree with you to remove numbering references. This was done by the journal. About the figures and tables, the instructions for authors of the journal asked to place them after following text (after the references) Your suggestions have been taken into account in the final manuscript. thank you
---------------------------------------	---	---



SDI Review Form 1.6

	listed [were recorded]...the figures are respectively increased [have increased] to.. [the author should review the entire “introduction” for grammatical and scientific correctness , and better understanding] Page 3 Material and Methods Line 54: ...(Issia department)[what is that? “Department” should be more appropriate] Line 55:...Prof. Ake-Assi [of] Botanical.... Line 62: ...containing a [delete] litter of ... Line 70: ..preparation is [was] performed.. Line 71: indeed [delete] fifty [Fifty] grams... Line 73: ...mixture is [was] filtered Page 4 Ltne 82...(I.P) [i.p]...for one week. [remove full stop] Of [of] a... Line 83: ..single dose [of streptozotocin].. Line 84: ...blood glucose level [greater than] or equal to... Line 85: ..days are [were] considered.....are called Diabetic lot [rat?] Line 88:...three (3) healthy rats were divided into five groups of three rats each [that’s absolutely impossible! Please review the sentence.] Line 89: [please provide the treatment protocols herein prose format. Do not refer to tables.] Line 93: [How long was the treatment?] Line 96: ..plasma is [was] separated.. Page 5 Line 100: [decapitation? Trying hard to understand that. Do you need that to obtain the pancrease. I see	
--	---	--



SDI Review Form 1.6

	too much anaesthesia which may affect the parameters.] Line 103: [sub-heading did not reflect the procedure reported. "Determination of insulin levels in diabetic rats" would be more appropriate.] Line 104: ..determined every other day of induction of diabetes in rats..[How were you able to conduct this determination in rats during induction of diabetes with streptozotocin?] Line 105: ..antidiabetics [extract] Line 108: ..(calf intestine) [from calf intestine?]. with polyclonal antibodies anti-sheep insulin [anti-sheep polyclonal antibodies?] Line 110: ..reagents was [were] incubated Line 111: meanwhile....[this is the principle of the test and should be stated as such.] Line 119: $P < .05$ [$P < .05$] Page 6 Results [procedure for phytochemical study is not reported in the methodology] Line 131: ..figures 1..represents [represent].. Line 134: [the glucose value has no unit. The unit for insulin level does not correlate with that shown in the graph. Which is correct?] Line 135: [the glucose value has no unit.] Line 136: [The unit for insulin level does not correlate with that shown in the graph. Which is correct?] Line 138: ..methanolic extract total [still not comfortable with that word as it relates the extract. It can be avoided] Line 138: ..and avandia [what's that.?It was not mentioned in your methodology] Line 145: ..insulin rate [level?] Line 148: avandia [,] a commercially available [?]	
--	---	--



SDI Review Form 1.6

	compared to..... Page 7 Line 154: ..against blood sugar [correct this part of the sentence for sense] Line 155: LDL and [?]. [There is so much repetition of figures in this paragraph. Increase or decrease in relation to control should be mentioned here. The tables should take care of the figures.] Line 158: ..diabetic rats the dose [with] 400 mg/kg bw....declining [reduced] serum.... Line 161: antidiabetic commercially available [this repetition is not necessary] Line 162:... diabetic rats treated [treated diabetic rats]... Discussion Line 163: discussion [Discussion] Line 171:... treatment with [of diabetic rats with] methanol....to diabetic animals [delete] normalizes.... Line 172: [histological analysis was not mentioned in the methodology. It is not proper.] Page 8 Line 178: The MTECp would [may] have... Line 181: ..islets of Langerhans generated [caused] by causes [generated] the free... Line 183 : ..anion ensuing [delete] is... Line 186: in addition.....formation of ceramide and hyperlipidemia [correct the sentence for understanding] Line 192: At a hypertension [Under hypertensive condition] alkaloids... Line 198: This vasoconstriction.....filtration in the renal tubules [review the entire sentence for sense]	
--	---	--



SDI Review Form 1.6

	Page 9 Line 201: thus hypertension not deal [delete] could... Line 201: ETMCp [what's that?] normalize [normalized] serum... Conclusion Line 205: ...univocal [check meaning] Line 206: ..humans as [and] various... Line 207: ..healthy rats induces... [induced disturbances in carbohydrate and lipid metabolism, organ (pancrease, kidney) function and blood pressure.] Line 208: ..the treatments s [treatment] Line 213: ..improvement of carbohydrate metabolism [delete] [and] lipid [metabolism.] References Line 223: [there should be no numbering for references] [The references require total review. Author should consult SDI guideline for referencing] Tables and Figures [Tables and figures should be placed inside the text] Line 313: [There is no interpretation of the plots LOT T and LOT D in the figure 1 title. There are still "vestiges" of French language in this figure.] Line 318: Figure 2. nsulin [insulin] change.. Line 345: Figure 3. selecred [Selected] photographies [histological sections] of ... Line 346: [italicize botanical name] Line 350: [Translation is required in the table and its title. Use of decimal points (not commas) and simpler superscripts is necessary here.]	
--	---	--



SDI Review Form 1.6

<u>Optional/General</u> comments	The original manuscript of this work seems to be in French language. Author should make efforts to completely translate to English Language for acceptability and understanding by English language readers. There is so much to be done and author should give it his best.	
---	---	--