Reviewer's report

Title: Antioxidant, antidiabetic and hypolipidemic effects of Tulbaghia violacea Harv. ("wild garlic") in a diabetic rat model

Version: 3 Date: 30 July 2015

Reviewer: Jaures K Noumedem

Reviewer's report:

- Major Compulsory Revisions
  1- The whole manuscript has to be edited as there are a few typos.
  2- Give references for the following methods: Induction of diabetes, 2.8. Oral glucose tolerance test (OGTT), 2.10. Determination of plasma insulin levels, 2.13. Determination of serum lipids, liver-function enzymes and creatinine, 2.15. Determination of plasma antioxidant levels

- Minor Essential Revisions
  Title:
  3- give precision on the fact that it is methanol extract and that it is from rhizomes and
  Abstract:
  4- Page 2 Line 7 “To determine the effects of Tulbaghia violacea Harv.on blood glucose,” : add space between “Harv.” and on
  5- Page 2 Line 13 add space between “(10mg/kg.b.w).” and “Food »
  6- Page 2 Line 15 : “7 week ” add “s”
  7- Page 2 Line 15 : give the full signification of “TBARS” as it tis the first time it appears in the text

Materials and Methods
  8. Page 7 Line 11 : change “method described by[27].” into “method described by Zafar and Naqvi [27].”
  9. The authors should harmonize the way they write “LKW” and “HW” in the whole manuscript
  10- Page 17 Line 14 : change “triglyceride” into triglycerides. Also for line 16
  11- Page 19. “Table 1. Table showing compounds identified in GC-MS analysis of Tulbaghia violacea extract ” : delete “Table showing”
  12- The authors should harmonize the way they mark the significant differences for figures and tables.
  * for NDC,
# for diabetic control,
letters a,b,c for baseline values ;
$ for TVL
In this way, modifications should be made for
- Table 2,
- Figure 2, non-diabetic control is it different from non-diabetic group ? these appear separately. Also ### is put for p<0.01, it should be p<0.001 or ## is put for p<0.01
13- For the figures 2 and 3, the curves of diabetic control should be harmonize (same colour, ...)
References
14- The authors should make sure they write all the scientific names in italic. Example of mistakes include Z. officinale, Eryngium carlineae and Terminalia paniculata respectively in references 1, 2 and 3
- Discretionary Revisions (which are recommendations for improvement but which the author can choose to ignore)
15- Many abbreviations are used in the manuscript, it is better to include a list of abbreviations before competing interests and authors' contributions.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**
I declare that I have no competing interests