Reviewer's report

Title: Natural honey reduces blood alcohol concentration but not affects the level of serum MDA and GSH-Px activity in intoxicated male mice models

Version: 3 Date: 4 January 2015

Reviewer: SAHITYA CHETAN PANDANABOINA

Reviewer's report:

Major Compulsory Revisions

There are few areas in the manuscript which need to be clarified.

1. The abstract says about intoxication dosage was optimized to establish the dosage given. There is no information as to how it was done. No graphical data!

2. How was the dosage determined? any reference?

3. 53% v/v alcohol? no reference or if this dosage was administered by earlier reports.

4. It is not stated for how long the dosage was administered, the route of administration and how the animal was treated to collect blood sample [was the blood collected when the animal was under the influence of alcohol? if yes the dose (in ml) is too low for an animal to be kept sedated till the blood is collected]

5. Why was honey used? , if the fact is that, Fructose/Glucose in the Honey [your HPLC information stated the fact] as a major component helps in anti-drunkenness, fructose or glucose could be directly used, so what is so special about using honey? This has to be clarified.

6. Material and methods not clearly expressed. Sometimes the reader gets lost to keep in track of the details not clearly stated.

7. Discussion needs to be improved.

8. one of the major impact that occurs due to alcohol intoxication is Liver damage and oxidative stress. If Honey cannot address this issue by the information presented in the manuscript, then it has to be only purported that honey can only be used for anti-drunkenness and nothing else. Authors need to clarify on this

Minor Essential Revisions

1. English is poor and sentences are badly constructed

2. Several spelling mistakes which makes the job difficult to understand.

3. Please provide headings for your figures
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: Yes, and I have assessed the statistics in my report.

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