Reviewer's report

Title: The Selective Cytotoxic Anti Cancer Properties and Proteomic Analysis of Trigonella Foenum-Graecum

Version: 4 Date: 23 October 2013

Reviewer: Abdul Khader Mohammed

Reviewer's report:

In this manuscript the authors study the selective cytotoxic and anti-cancer properties of fenugreek using normal and different cancer cell lines. They have reported that fenugreek extract has a selective cytotoxicity against some cancer cell lines. In other part of this study, they performed the proteomics analysis of four different fenugreek extract and they observe that one of the four extracts showed different protein profiles from other three used in this study.

There are some major concerns in this study
1. In the introduction part authors provided the brief details about the clinical profile of a previously reported case suffering with primary CNS T cell lymphoma with some references. And they have also mentioned that the treatment of the same case with fenugreek showed a significant improvement in the right intra cerebral lesion frontoparietal. However, it is unclear whether this is first time to report the study of this kind? If yes, this thing could have been phrased in the discussion.

2. The whole of introduction is centered on the clinical profile of a single subject rather than the primary objective of this study.

3. For proteomics analysis authors have used four different types of fenugreek extract. It needs to clarify out of four extract which is used for cell culture treatment.

4. Results section, it is mentioned that "similar results were observed for Anaplastic Thyroid papillary carcinoma" this sentence is quite confusing and it not clear whether the effects are similar to normal or cancer cell line.

5. The authors need to rephrase the discussion and improve the clarity of message.

6. The first paragraph in the discussion needs to be re-written. This paragraph should clearly state the novel findings of this study before subsequent paragraphs discuss this in more detail. Indeed, the whole discussion lack the flow and focus.

General points
1. The manuscript contains many grammatical and syntax errors.
2. Ensure capitals are not employed unless necessary.

**Level of interest:** An article of importance in its field

**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’