Reviewer’s report

Title: Analysis of glycation induced protein cross-linking inhibitory effects of some antidiabetic plants and spices

Version: 2 Date: 5 February 2015

Reviewer: PALANISAMY ARULSELVAN

Reviewer’s report:

Major Compulsory Revisions

The authors have discussed about “Analysis of glycation induced protein cross-linking inhibitory effects of some antidiabetic plants and spices”. In this manuscript, authors have found the among the nine antidiabetic plants, seven have shown glycation induced protein cross-linking inhibitory effects. Authors have used SDS-PAGE method to detect the products of protein cross-linking in the incubation mixtures. Overall, the manuscript is lack of data to support hypothesis hence, I will suggest to authors to perform few more key experiments to improve the quality of manuscript. In addition, authors have published similar manuscript in another journal with different medicinal plants using same SDS-PAGE method (A simple method to detect plant based inhibitors of glycation induced protein cross-linking, HKI Perera, HASK Ranasinghe. Asian Journal of Medical Sciences | Jan-Mar 2015 | Vol 6 | Issue 1, page No: 28-33).

Major comments:

1. Problem statement of the manuscript should re-write with subjective manner
2. Why authors have chosen only those nine anti-diabetic plants and three spices? Provide clear justification.
3. Manuscript needs English corrections before accepted for publication since lot of grammatical errors and incomplete sentences.
4. Results section should be re-write according to the findings. In this manuscript, authors did not interpret the data’s well.
5. Conclusion part of manuscript is not well defined therefore authors should provide clear and concise information.

Level of interest: An article of limited interest

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

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.
Declaration of competing interests:
I declare that I have no competing interests