Reviewer's report

**Title:** The Tibetan herbal medicines Padma 28 and Padma Circosan inhibit the formation of advanced glycation endproducts (AGE) and advanced oxidation protein products (AOPP) in vitro.

**Version:** 1  
**Date:** 16 May 2014

**Reviewer:** Ewa I Balcerczak

**Reviewer's report:**

Discretionary Revisions

Publication support the use of Padma 28 and Padma Circosan in diabetes and diabetes associated diseases. The aim of the authors was to examine, if these herbal preparations are able to inhibit the formation of AGE and AOPP in vitro and if there is a difference between the activities of the two formulas.

1. Title and abstract are adequate to the rest of manuscript

2. Methods are appropriate but authors divided them into section on the basis of investigated process what is not typical. More detailed description of separate methods would be useful for readers.

3. Results: Authors revealed strong inhibitory effects of both formulas on AOPP as well as on AGE formation what can find clinical application for patients with diabetes. No difference was found between the activity of Padma 28 and Padma Circosans, but authors confirmed that both work.

The detailed figures help to understand all experiments and obtained results.

Sentences: "Aminoguanidine (A), Padma 28 and Padma Circosan showed an inhibitory effect on protein glycation, significantly so from week 1 (A) and from week 2 (test substances). Both the test substances showed an almost identical level of glycated proteins as the active control." should be rewritten.

4. Discussion is balanced and adequate based on the publications from last 10 years (with three exceptions).

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

**Quality of written English:** Acceptable

**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