Reviewer's report

Title: Effects of Rhaponticum carthamoides versus Glycyrrhiza glabra and Punica granatum Extracts on Metabolic Syndrome Signs in Rats

Version: 1 Date: 3 August 2013

Reviewer: Parisa Hasanein

Reviewer's report:

The authors studied the Effects of Rhaponticum carthamoides versus Glycyrrhiza glabra and Punica granatum Extracts on Metabolic Syndrome Signs in Rats.

-Originality: the similarity index using the iThenticate software is 12% (methods excluded). This percent is accepted. The work is mainly original. Crosscheck are shown below:

71 words / 2% - CrossCheck
Mariya Power. "Alternative and Complementary Treatments for Metabolic Syndrome", Current Diabetes Reports, 02/19/2011

49 words / 2% - CrossCheck
Kokoska, L.. "Chemistry and pharmacology of Rhaponticum carthamoides: A review", Phytochemistry, 200905

33 words / 1% - CrossCheck
"Posters", Internal and Emergency Medicine, 12/2011

28 words / 1% - CrossCheck
Hemant Pareek. "Evaluation of hypoglycemic and anti-hyperglycemic potential of Tridax procumbens (Linn.)", BMC Complementary and Alternative Medicine, 2009

24 words / 1% - CrossCheck
Chia Ju Chang. "Myricetin Increases Hepatic Peroxisome Proliferator-Activated Receptor # Protein Expression and Decreases Plasma Lipids and Adiposity in Rats", Evidence-based Complementary and Alternative Medicine, 2012

23 words / 1% - Internet from 27-Aug-2010 12:00AM
www.rssdi.in
Ying, Hua-Zhong, Yue-Huan Liu, Bing Yu, Zhi-Yuan Wang, Jia-Na Zang, and Chen-Huan Yu. "Dietary quercetin ameliorates nonalcoholic steatohepatitis induced by a high-fat diet in gerbils", Food and Chemical Toxicology, 2013.

English: in general, the paper is well written, but requires a recheck.
E.g.,
- In the abstract/background … lifestyle common to the Western world # lifestyle common in the Western world
- In the background: … proposed as safe alternative # proposed as a safe alternative
- In the whole article: a comma “,” before and should be rechecked (e.g., in the background: … immunomodulatory, antitumor and antimicrobial effects # immunomodulatory, antitumor, and antimicrobial effects..)
- The articles (the, a, and a) should be rechecked in the whole article (e.g., in the background: … However, relatively scarce literature.. # …However, the relatively scarce literature..).
- Statistical analysis is good.
- Methodology is good
- Results and discussion: the authors should connect their work with a very recent articles related to the topic. (e.g., the authors did not consider the work published recently (2013) of the title “pomegranate and type 2 diabetes”.
- Abbreviations should be rechecked in the whole article; not be redundant.

**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.