Reviewer’s report

Title: Antioxidant activity of rosemary (Rosmarinus officinalis L.) essential oil and its hepatoprotective potential

Version: 1
Date: 18 February 2014
Reviewer: Harminder Singh

Reviewer’s report:

Authors have not investigated which component is responsible for the observed hepatoprotective effects? Is it eucalyptol alone or in combination with other major component or was it synergistic or antagonistic effect? These details should be provided and discussed.

Include details about various enzymes and stress markers in abstract and their results. These are largely missing.

Major compulsory revisions

PI provide details about the number of replicates, sample size for REO chemical analyses, oxidative stress studies and others ....

Please add the names of the libraries used for identification.

Did authors use co-GC for identification?

Did authors use REO as such for phenolic and DPPH assay or it was dissolved in some solvent or an emulsion was used? PI explain.

REO was applied as emulsion – pl elaborate

PL present data as mean with SE and not deviation

PL replace hours with h

Replace N-hexane with n-Hexane

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests