

Review of: "Toxicity of Olea africana in Artemia Salina and Mice"

Nripendra Nath Biswas¹

¹ Khulna University

Potential competing interests: No potential competing interests to declare.

Review report

Abstract

Which part of the plant was used?-not mentioned here

LC50 and LD50 ---numerical value should be written in same unit

Last line----not harmful in short term use, but toxic in long term -----should be included

Plant collection

In which season of the year the plant was collected?

Air dried under sun or shade, only 3 days maceration---enough to extract??. What was the yield%

Brine shrimp egg..... Hatching condition???

Adaptation period for mice???

Brine shrimp cytotoxicity test, Dose for group 4 and 5 same?? rewrite

Acute toxicity test:

Why taken only female mice? To me, equal number of both sexes is more rationale

No positive control?

Which pattern of dosing regimen was followed? Graded or quantal or just random(fixed)

Observed for how many days

Subacute test:

No positive control?

Why kept fasting the animal before administering the last dose of sample?-explain

Cardiac puncture was done to collect blood before or after sacrificing the animal?

Put a comma after HCT

Results:

LC50 and LD50 should mention in top cell of the table, not underneath the table

Should elaborate NS—meaning mentioned in table 1

Table 2, What does superscript a, b, c mean?

No need to mention the results data repeatedly and too elaborately in text beneath the results table

Kidney section

Will be Fig 4d instead of 3d.....

Discussion:

In Ref 19 (mention in discussion part), LC50 was done priorly. Then why did you do here again???

19 ^{a b}.... what does it mean??

Histopathology part..... Not discussed adequately, Should be rewritten

Should correlate: which type of compound may be responsible for such toxicity, as many compounds have already been isolated for this plant.

Conclusion:

May be concluded as.....

Not toxic for short term use (from acute toxicity test data), toxic for long term use.

Ref:24 ^{a,b,c,d,e,f,g}..... what does it mean. This pattern of reference has been seen in some other ref list. But no citation could be found following that pattern. Please rewrite.

Minor typos and grammatical mistakes are there in whole manuscript. The author should carefully read and correct such minor correction.

Overall comment: After addressing and satisfying the above comments/question, the article is recommended for publication here.