

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

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Potential competing interests: No potential competing interests to declare.

The manuscript entitled "Toxicity of *Olea africana* in *Artemia Salina* and Mice" is an interesting topic, but it needs major revision.

1. In the background, I advise adding a sentence or two to explain why ethanol extract had been chosen for this study. Is there any comparison study for different solvent crude extracts and any study reported for the targeted compound towards the toxicity of *O. Africana*?
2. Provide voucher specimen number for *O. Africana* in Section 2.2.
3. The characterization of the crude extract of *O. Africana* should be analyzed i.e. GC-MS, FTIR etc.
4. State the targeted compound that may be toxic to human. Any research has been reported for the targeted compound?
5. Please correct Kgs to kg.
6. Author mentioned 29 days of the experiment of hematological and biochemical parameters. Give specific reason why 29 days? Include it into discussion section.
7. Provide method detail to measure hemoglobin (Hb), hematocrit (HCT) red blood cell (RBC), MCV (mean corpuscular volume), mean corpuscular hemoglobin (MCH), and total white blood cells (WBCs) the levels of sodium, alanine aminotransferase (ALT), direct bilirubin, aspartate aminotransferase (AST), potassium, alkaline phosphatase (ALP), total protein, albumin, gamma glutaryl transferase (GGT), and total bilirubin (TB)...Have any equipment used?
8. Be standardised to use "brine shrimp" or "*Artemia Salina*" for the whole manuscript.
9. Results and discussion should be combined.
10. What does it mean by the range in bracket (Table 1)
11. Delete "See" at (See Figure 1)
12. Too many repetitions state the same Table and Figure numbers.
13. Simplify results explanation. No need to mention all p-values, significant or not significant. Need major improvement.
14. Provide subsection for results and discussion according to the methodology. Reader may get confusing.
15. Inappropriate conclusion. Please revise.