

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

Basanta Das¹

¹ Central Inland Fisheries Research Institute

Potential competing interests: No potential competing interests to declare.

The manuscript deals with the understanding of toxicity, if any of *Olea africana* on mice and brine shrimp over a period of 24 hours (acute toxicity) and 28 days (sub-acute toxicity). However, the manuscript is not acceptable in the present form due to the following reasons:

1. Section 2.5: Brine shrimp cytotoxicity test: It is not clear on what basis the doses were selected for the toxicity test. As per OECD guidelines, LC₅₀ dose is to be known first and then further doses should be selected on that basis for acute toxicity test.
2. "Groups 3, 4, and 5 contained 10 µg/mL, 100 µg/mL, and 100 µg/mL of the extract": Same dose is written twice. Whether the authors have repeated the same dose twice, please clarify.
3. Section 2.6: Acute toxicity assay in mice: It is not clear on what basis the doses were selected for the toxicity assay in mice.
4. Histological studies: The histological pictures provided are very dark and nothing could be interpreted from them properly, replace with a brighter image.
5. Results: The results are written in a very monotonous way; it should be modified for a better clarity.
6. Discussion: The results should be discussed with reports from other workers that is mostly lacking.