

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

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Potential competing interests: No potential competing interests to declare.

It is well-directed work of toxicity of *Olea africana* in *Artemia Salina* and Mice and falls within the scope of Qeios journal. Although manuscript written clearly but some major amendments are required before it going to further proceedings. In its current form lacks the scientific evidence needed to support its hypothesis. The title of the manuscript should be revised and should be according to the scientific standard and should reflect the overall study results which were presented in the study.

All manuscript lack of line numbers which is too difficult for the reviewer to mention the line number for corrections. In the abstract section, Author should explain briefly why this study required to conduct? Results presentations not in scientific terms, it should need to revise profoundly. Future directions are also not presented well overloaded text should need to be removed. It is in the introduction that needs more detail. I suggest that author should provide more justification for your study (specifically, you should expand upon the knowledge gap in the abstract, introduction and all other sections being filled) which should be improved upon before Acceptance.

The discussion needs to be revised and needs to make it more focused based on results. Remove the overlapping information/statements. Interpretation was not justifiable, should need to change. References are too old in the introduction and discussion section. In so doing, it is suggested that the following articles be used as a reference. 1. Pyrosequencing uncovers a shift in bacterial communities across life stages of *Octodonta nipae* (Coleoptera: Chrysomelidae)." *Frontiers in microbiology* 10 (2019): 466. 2. Role of primary metabolites in plant defense against pathogens 3. Structural diversity and functional variability of gut microbial communities associated with honey bees 4. A novel bacterial symbiont association in the hispid beetle, *Octodonta nipae* (Coleoptera: Chrysomelidae), their dynamics and phylogeny. 5. Entomopathogenic nematode *Steinernema carpocapsae* surpasses the cellular immune responses of the hispid beetle, *Octodonta nipae* (Coleoptera: Chrysomelidae). *Microbial Pathogenesis*. 124: 337-345. 6. Role of primary metabolites in plant defense against pathogens. *Microbial Pathogenesis* (2019). 137: 103728. doi: <https://doi.org/10.1016/j.micpath.2019.103728>. In vivo and in vitro assessment of trichoderma species and *Bacillus thuringiensis* integration to mitigate insect pests of brinjal (*Solanum melongena* L.). *Egyptian Journal of Biological Pest Control*. 8. Response of leading ber (*Zizyphus jujuba*) varieties against fruit flies (Tephritidae: Diptera) and estimation of their losses. *Fresenius Environmental Bulletin*. 2020.

112: 101548.

The Material and Methods section is not well organized. The Results were not well explored. Data presentation is in frames with side borders, not tables. Please clarify all the above mentions aspects in the manuscript. The Paper is lack of conclusion section, should add and meanwhile future directions should also be added in the abstract section.