

Review Form 1.6

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| Journal Name: | Asian Journal of Environment & Ecology |
| Manuscript Number: | Ms_AJEE_86955 |
| Title of the Manuscript: | AVOIDANCE RESPONSE: A MORE IMPORTANT DETERMINANT OF POPULATION IMMEDIATE DECLINE IN GUPPY FISH (POECILIA RETICULATA PETERS, 1859) EXPOSED TO PESTICIDES |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajee.com/index.php/AJEE/editorial-policy>)

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PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|-------------------------------------|---|---|
| Compulsory REVISION comments | <p>The manuscript contains good methods and solid results. However, there are</p> <p>Several minor grammatical mistakes in the manuscript. I attach a corrected version of the manuscript where I tracked the changes. In addition, there are some unclear sentences and a few minor issues that I list below. Otherwise, the manuscript is easily read and a good addition to the ecotoxicological data</p> <p>“Exposure to low concentrations of pesticides has been attributed to detrimental effects on various life stages of organisms” Please cite the literature and give some examples. The reference has now been added.</p> <p>“The danger of a synthetic chemical is subject to the actual concentration” Please clarify. This has been rephrased; it connotes the bioavailability of the pesticides and other toxicants to the test organisms.</p> <p>“In order to avert the most harmful effects of pesticides, there is a need to understand the species-specific responses of the various organism used and build relevant quantitative data to guide extension services” Please add a citation and connect this sentence to the following one. This has been referenced.</p> <p>“Finally, for the control compartment, because this compartment contained the water in which the organisms were grown” Please rephrase it to “culture medium”. This has been rephrased as suggested.</p> <p>“, it was not expected to be avoided; therefore, it was 18.” Do you mean the NE? Please clarify. No, it is not N_E but N_o; this is because no organism is expected to avoid the control compartment i.e. $A_{voider} = N_E - N_o = 0$ at the control compartment.</p> <p>“By and large, <i>P. reticulata</i>” What do you mean by that? Please rephrase. This has been rephrased as suggested.</p> <p>Figure 3. Please make the two figures equal in size and font size for easier Comparison. This has been amended.</p> <p>Figure 4. Please make the size of the two figures the same with the same font size for easier comparison. Also, use symbols which are better distinguishable as avoidance and mortality are for example indistinguishable. It is even more important as the symbols are overlapping many times. This has been amended.</p> <p>“<i>Anabas testudineus</i> - 2.35 mgL⁻¹ (Patar et al., 2015)“ Please format citation with numbers as the others are formatted. This has been formatted</p> <p>“remain exposed to the extent that should conditions change “ Please clarify. It explains the possibility of mortality of non avoiders in a typical Forced Exposure System</p> <p>“. Such chaos might impair avoidance response as fishes” Do not call it chaos as it is not. It is a straight consequence of the treatment. Please rephrase. This has been rephrased as suggested.</p> | <p>The authors thank the reviewer for his comments. Care has been taken to improve the paper and address the reviewer's concerns as highlighted in the "Reviewer's Comment" column.</p> |
| Minor REVISION comments | | |
| Optional/General comments | To the Editors: Please make the Supplementary files available for review because some Analysis and results can be judged based on that. | |

PART 2:

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | NO |