Name:	**UTTAR PRADESH JOURNAL OF ZOOLOGY**
Manuscript Number:	**Ms_UPJOZ_3879**
Title of the Manuscript:	**Stress response of glucose and cholesterol in Labeo rohita upon exposure to three Ubiquitous phthalates: Di (2-ethylhexyl) phthalate (DEHP), Dibutyl phthalate (DBP), and Diethyl phthalate (DEP)**
Type of the Article	

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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.
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PART 1: Review Comments

Compulsory REVISION comments	**Reviewer's comment**	**Author's Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This publication is highly essential for the scientific community since it examines the effects of widespread environmental pollutants, specifically phthalates, on a crucial freshwater fish species called Labeo rohita. The study examines the impact of phthalate exposure on the stress responses of glucose and cholesterol levels. This investigation helps us gain a better knowledge of how phthalates disrupt the endocrine system in aquatic organisms by affecting specific biochemical pathways. I commend this work for its thorough and insightful examination of the ecological hazards posed by phthalate pollution. It effectively advocates for more stringent regulatory actions to safeguard aquatic habitats.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	Maybe you could consider Metabolic stress responses in Labeo rohita Subjected to Di(2-ethylhexyl) Phthalate, Dibutyl Phthalate, and Diethyl Phthalate	

Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Below are few recommendations: 1) Specifically state the quantities of phthalates utilised in the study to emphasise their importance in relation to actual environmental circumstances. 2) Specify the length of time the fish were exposed to give context to the assessment of the stress response duration. 3) Provide a concise description of the statistical procedures employed for data analysis to highlight the study's meticulousness. 4) It is important to note that the observed metabolic abnormalities in Labeo rohita could have significant consequences for their overall health and survival, hence highlighting the ecological significance of our findings. Thus, propose precise and focused areas for further investigation to provide readers with a clear understanding of the study's wider influence and possible subsequent actions.	
Are subsections and structure of the manuscript appropriate?	In general, the manuscript adheres to a traditional scientific framework that is suitable for scholarly inquiry. The subsections are unambiguously delineated, and the content is methodically structured, enabling readers to systematically comprehend the research process and findings.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The paper is characterised by its scientific rigour and technical excellence, which may be attributed to several crucial factors. The experimental design is characterised by thorough attention to detail, encompassing the careful acclimatisation of test subjects and regulated exposure to phthalates, which guarantees the production of trustworthy and reproducible data. Additionally, the study utilises proven biochemical assays and extensive statistical analysis, including ANOVA and Duncan's Multiple Range test, to thoroughly validate the findings. Finally, the publication successfully places its findings in the wider scientific literature, establishing a connection between observed metabolic abnormalities and the recognised endocrine-disrupting impacts of phthalates. This strengthens	

	the credibility of the stated conclusions.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**	Yes. But these are some recommendations: 1) In order to guarantee that the review includes the most up-to-date research, it is advisable to include references from studies that have been published within the past three years. 2) Discover other recent evaluations or meta-analyses of phthalate exposure and its impact on endocrine function. 3) Search for contemporary research primarily dedicated to examining the environmental consequences and methods of reducing the presence of phthalates in aquatic ecosystems. If you require precise recommendations for recent studies to incorporate, do inform me.	

Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	1) Ensure accurate punctuation in lists and complicated phrases, and uphold consistent use of articles and conjunctions. 2) Provide the full definition of any acronyms when they are first mentioned. 3) Ensure clarity and coherence by employing concise opening words to facilitate smooth transitions between different sections. In the results section, distinctly segregate the findings. 4) Verify that all references are current and accurately formatted. 5) Clearly label and reference all figures and tables in the text. 6) Overall, the content is well-suited for a scholarly article	
Optional/General comments	In conclusion, this study has shown that the phthalates DEHP, DBP, and DEP induce substantial metabolic stress in Labeo rohita, as evidenced by changes in glucose and cholesterol levels. DEHP and DBP were discovered to be more efficacious in disrupting these metabolic parameters than DEP, which is indicative of their greater endocrine-disrupting potential. The ecological risks posed by phthalate contamination are underscored by the hypoglycemic and hypocholesterolemic responses that have been observed, which emphasise the sensitivity of fish to these contaminants. These results suggest that in order to reduce phthalate exposure in aquatic ecosystems, it is necessary to implement more stringent regulatory measures and enhance effluent treatment. The long-term effects on fish health and populations, as well as the efficacy of mitigation strategies, should be further investigated in future research, as well as the mechanisms behind these disruptions.	

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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Eleanor Daniella Binti Lokman**
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