

Review Form 1.8

Journal Name:	Asian Journal of Fisheries and Aquatic Research
Manuscript Number:	Ms_AJFAR_120168
Title of the Manuscript:	Water Quality Assessment and its impact on shrimp in Rupnarayan River: A comparative study on the basis of February to May of 2022-2024
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Is the manuscript important for scientific community? <i>(Please write few sentences regarding this manuscript to justify your answer)</i>	YES	
Is the title of the article suitable? (If not please suggest an alternative title)	NO Suggestion: Comparative Analysis of Water Quality and Its Effects on Shrimp Populations in the Rupnarayan River (February-May, 2022-2024)	
Is the abstract of the article comprehensive?	YES	
Are subsections and structure of the manuscript appropriate?	YES	
Do you think the manuscript is scientifically correct? <i>(Please write few sentences regarding this manuscript to justify your answer)</i>	YES	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	YES	

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<p>Minor REVISION comments</p> <p>Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>In this study, the authors collected water samples from four locations: Kolaghat, Alinan, Siuri, and Deemari villages near Tamluk in the Purba Medinipur district. They analyzed various water quality parameters, including temperature, turbidity, pH, dissolved oxygen (DO), biological oxygen demand (BOD), salinity, alkalinity, and hardness, focusing on the premonsoon phase (February to May). The study aimed to assess the impact of these water quality parameters on shrimp production, specifically identifying species such as <i>M. rosenbergi</i>, <i>M. brevicornis</i>, <i>M. monoceros</i>, and <i>Penaeus vannamei</i>. By comparing data from February to May across the years 2022 to 2024, the authors observed shrimp production rates of 40%, 60%, and 30% for 2022, 2023, and 2024, respectively.</p> <p>The results of this study suggest that water quality parameters had a direct impact on shrimp production.</p> <p>Optimal water conditions in 2023 may have contributed to higher production rates while deteriorating conditions in 2024 might have led to the observed decline.</p> <p>By analyzing the correlation between water quality and shrimp production, this study provides valuable insights into the ecological dynamics of the Rupnarayan River and offers guidance for sustainable aquaculture practices in the region.</p> <p>The study is scientifically valuable, emphasizing the critical need for monitoring and maintaining water quality to sustain shrimp populations. However, the text presents numerous shortcomings in English, requiring careful attention and significant revision.</p> <p>Accepted for publication after major revisions.</p>	

PART 2:

	<p>Reviewer's comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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