

Name:	<u>UTTAR PRADESH JOURNAL OF ZOOLOGY</u>
Manuscript Number:	Ms_UPJOZ_4585
Title of the Manuscript:	“IMMUNOSTIMULATORY EFFECT OF BETAL LEAF EXTRACT ON Labeo catla AND ITS RESISTANCE AGAINST Aeromonas hydrophila”
Type of the Article	Research Article

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PART 1: 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>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it explores the immunostimulatory effects of betel leaf extract on <i>Labeo catla</i> , a commercially important freshwater fish species. Enhancing the immune response of fish through natural plant-based additives is a sustainable and eco-friendly alternative to conventional disease management strategies, reducing reliance on antibiotics and minimizing environmental risks. The study's findings contribute to the growing field of herbal immunostimulants in aquaculture, providing valuable insights into disease resistance against <i>Aeromonas hydrophila</i> , a major pathogen responsible for severe economic losses in aquaculture. This research may further encourage the development of novel, cost-effective, and sustainable fish health management practices.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, "Immunostimulatory Effect of Betel Leaf Extract on <i>Labeo catla</i> and Its Resistance Against <i>Aeromonas hydrophila</i> ", is clear but could be refined for better readability and impact. Here are a few improved title suggestions: <ol style="list-style-type: none">1. Betel Leaf Extract as a Natural Immunostimulant for <i>Labeo catla</i>: Boosting Resistance Against <i>Aeromonas hydrophila</i>.2. "Immunostimulatory Potential of Betel Leaf Extract in <i>Labeo catla</i> for Protection Against <i>Aeromonas hydrophila</i>.	

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.	Avoid Unnecessary Details: If the abstract includes excessive methodological details, summarize them concisely. Emphasize Practical Implications: Highlight how this study contributes to sustainable aquaculture and disease management.	
Is the manuscript scientifically, correct? Please write here.	The manuscript's scientific accuracy depends on the robustness of its methodology, data analysis, and interpretation. Ensuring proper controls, statistical validation, and alignment of results with conclusions is essential for reliability.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	No	
<u>Optional/General</u> comments	N/A	

PART 2:

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

Reviewer Details:

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