

Review Form 1.7

Journal Name:	Asian Journal of Research in Zoology
Manuscript Number:	Original Manuscript_AJRIZ_117920
Title of the Manuscript:	Blood indices and chemical characteristics of <i>Clarias gariepinus</i> (Burchell 1822) collected from three different environments
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.journalajriz.com/index.php/AJRIZ/editorial-policy>)

Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, the study provides valuable insights into the facts concerning the physiological response of fish to changes in the external environment, particularly the influence in fish health, and blood indices. The research findings contributed to the understanding of the natural and cultural water and its influence on it. It provides essential information for researchers, aquaculturists, and professionals involved in fish health management and disease prevention.</p> <p>2. Yes, The title accurately reflects the primary objectives and outcomes of the research, providing a clear indication of the study's scope and its relevance to aquaculture.</p> <p>3. In this regard, comments were made in the text of the article that should be corrected.</p> <p>4. Yes, The document is organized into distinct sections "Hematological Examination," "Statistical Analysis," and "Results." Each section provides detailed information on the specific procedures, measurements, and findings related to the study's objectives. Additionally, the "Materials and Methods" section can be added with the outlines of the sample collection, blood collection, and overview of the research methodology.</p> <p>5. Yes. The manuscript is scientifically correct and incorporates established methods for hematological examination, such as the RBC, Hb, PCV, MCV, WBC, MCHC, and MCH. Additionally, the statistical analysis conducted using a one-way analysis of variance (ANOVA) with a significance level of $p < 0.05$ is appropriate for evaluating the data. The findings and results are presented in a clear and detailed manner, providing insights into the impact of environmental conditions in hematology and some chemical characteristics concerning <i>C. gariepinus</i> with emphasis on different water. Based on the information available, the manuscript appears to be scientifically sound.</p> <p>6. The references include studies from the past decade, and recent references can be added to offer valuable insights into the field. Incorporating recent publications from reputed scientific journals and research databases ensures the references reflect the latest advancements and findings in the field.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>The research gives a clear indication of the study's scope and its relevance to the environment and fish haematology.</p>	

Review Form 1.7

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:

Name:	R. Ajaz Haja Mohideen
Department, University & Country	C. Abdul Hakeem College, Thiruvalluvar University, India