

Review Form 1.7

Journal Name:	Asian Journal of Fisheries and Aquatic Research
Manuscript Number:	Ms_AJFAR_101539
Title of the Manuscript:	HISTOPATHOLOGICAL ANALYSIS OF HEXAVALENT CHROMIUM TOXICITY TO OVARY AND TESTIS OF FRESHWATER FOOD FISH, CHANNA PUNCTATUS (BLOCH. 1793)
Type of the Article	Original Research 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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)
<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. The peer-reviewed article is devoted to the current problem of modern food toxicology, in particular, the possible consequences of fish poisoning with the highly toxic heavy metal Chromium. The research carried out by the authors is an important component of the assessment of the cumulative properties of Chromium in the body of fish and its effect on their gonads. Therefore, we believe that this scientific work is of great importance in modern science and should be published.</p> <p>2. The title of the article fully reflects the essence of the research conducted by the authors, perhaps it would be appropriate to indicate that the effect of hexavalent chromium on fish is experimental, and not evaluated in natural conditions. Therefore, the corrected name should be as follows – HISTOPATHOLOGICAL ANALYSIS OF EXPERIMENTAL HEXAVALENT CHROMIUM TOXICITY TO OVARY AND TESTIS OF FRESHWATER FOOD FISH, CHANNA PUNCTATUS (BLOCH. 1793)</p> <p>3. I consider the abstract of the article comprehensive, it fully reflects the relevance of the topic and the results obtained by the authors. It is worth clarifying the final sentence so that it is a conclusion from the personal research of the authors of the article, and not just a generalization.</p> <p>4. The structure of the manuscript of the article is made in accordance with the existing requirements, and the information given in the subsections corresponds to their title.</p> <p>5. The results obtained by the authors are important for toxicological science, and have a special practical value in terms of predicting the possible participation of freshwater fish as a factor in human poisoning by heavy metals. The toxic effect of Chromium on the histopathology of the gonads of fish is well argued and supported by beautiful photomicrographs. Therefore, I consider the reviewed manuscript to be scientifically correct.</p> <p>7. The references in the article are well argued, the introduction describes the relevance of these studies. Some references (2 – 1957, 1966), in my opinion, are outdated and can be replaced by more recent articles. Also, some links are incomplete, especially for online sources. The importance of these studies for modern science would be expedient to reinforce with a few sentences regarding the possibility of human poisoning by fish as a source of heavy metals and the possible consequences of consuming such fish.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The manuscript of the article is written in professional scientific English, it is easy to read and does not require correction.</p>	
<p>Optional/General comments</p>	<p>I wanted to clarify why the authors use the term lethal concentration (LC), while the commonly used term in toxicological studies is the term lethal dose (LD)?</p> <p>It is also interesting to know whether laboratory studies in aquarium conditions can simulate the potential risks of Chromium accumulation in fish in natural reservoirs?</p>	

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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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