

Review of: "Cadmium Toxicity-Induced Changes in Antioxidative Enzyme Levels in Freshwater Catfish *Channa Punctatus* (Bloch)"

Liliana Marrufo Saldaña

Potential competing interests: No potential competing interests to declare.

Biomarkers are highly relevant as early warnings to establish the toxicity of pollutants. Therefore, I consider the contribution of the research work to be significant. I suggest highlighting this, establishing the importance of the species studied in the local population's diet, thus substantiating cadmium pollution as a public health issue.

I suggest focusing the hypothesis around the research objective.

The abstract should include the main study results.

I recommend that the tables be reviewed and clear nomenclature be established regarding what each bar represents.

In the text, there are statements that should be cited.

It is necessary to review the discussion of the results, as there are texts that are not consistent with the research objective. For example, "SOD, CAT and GST levels increased significantly in the liver and ovary with increased concentration of fluoride and exposure duration."

In the discussion, organic pollutants should not be used to discuss cadmium's mechanisms of action. While it is possible to establish analogies and argue plausibility, the physical-chemical characteristics of pollutants should be chemically comparable.

I recommend that the conclusion should be reviewed based on the hypothesis, and new opportunities should be established based on the research results.