

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

Laura Rebeca Jiménez-Gutiérrez¹

¹ Autonomous University of Sinaloa (UAS)

Potential competing interests: No potential competing interests to declare.

This work is solidly conceived and executed; overall, it is well-written. It contains details of writing and style that can be corrected. It has great environmental significance, although it needs to be more grounded in the ecological and physiological aspects.

The abstract should be more explicative and highlight the relevant results of the work.

"Cd" should appear the first time that cadmium is used in the first paragraph of the introduction.

In the introduction section, the catfish species, its economic or ecological importance, is never described. Why this species is evaluated and not others is not explained.

Sometimes you say "mg protein" and sometimes "mg of protein," sometimes "μmoles" and sometimes "μ moles"; please unify all the terms.

For general to particular redaction, first the total protein concentration is evaluated, and then specific protein concentrations.

Results in Table 1 are not described in the text. A figure or table should not be alone; it must be described. Even though it is named "Lipid Peroxidation," neither Figure nor Table 1 is well described.

Even though the discussion section is well written and has relevant information, again, information about the catfish is missing. You talk about cadmium and enzymes as if they were isolated elements in the laboratory and not within a living organism. How does this affect their physiology, and how does it affect fisheries and/or their cultivation? What are the implications for this species and its population? You talk more about rats and tilapia than *C. punctatus*.

A space is missing in:

*2013).Glutathione peroxidase plays

*liver of *Anguilla anguilla*.Increased GST

