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Biochemical effects of commercial feedstuffs on the fry of climbing perch (*Anabas testudineus*) and its impact on Swiss albino mice as an animal model

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Highlights

- Heavy metal levels in fish feedstuffs, fish and also in organs of fish-treated *Swiss albino* mice were studied.
- For Cu and Pb, the mean values in the feed sample were lower than the respective maximum tolerable value.
- Some elements for example Cr, Zn and in different parts of the *A. testudineus* fish samples exceeded the respective limits.
- The high levels of Cr was observed in most of the fish samples, Cr and Pb levels were found above their respective threshold limits in the liver of mice.
- Biochemical analysis of the different groups of fish feed samples don't show any significant change in the blood cholesterol level among the different groups of treated mice.

ABSTRACT

This study assesses the biochemical effects of commercially available fish feedstuffs on the fry of climbing perch (*Anabas testudineus*).Subsequently, its impact on experimental animal,

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