



Effects of 4-nonylphenol on metabolic enzymes, some ions and biochemical blood parameters of the African catfish *Clarias gariepinus* (Burchell, 1822).

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Abstract:

In present work, some biochemical characteristics of the catfish, *Clarias gariepinus* were studied under the effect of different sublethal doses of 4-nonylphenol (0, 0.05, 0.08 and 0.1 mg/l-1). Liver enzymes ALT and AST increased insignificantly at P

Keywords:

Biochemistry, liver, kidney, anion gap, 4-Nonylphenol.

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