Accumulation of some pollutants (Malathion and cadmium) and biochemical alterations in muscles of Nile tilapia "*Oreochromis niloticus*

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The aim of this study was to estimate the effects of sublethal concentrations of some pollutants (cadmium and Malathion) on the levels of glucose; total porten, cholesterol, ALT and AST enzyme in the serum blood and its accumulation in Nile tilapia fingerling muscles as a long experimentally study. *Oreochromis niloticus* were exposed to Malathion and cadiumum to determine the lethal concentration (LC_{50}) value and effects of sub-lethal concentrations on biochemical parameters. The LC_{50} value was registered as 1.06 and16.8 mg/l of Malathion and cadiumum. Triplicate groups of fish and a control group (30 fish/group) were exposed to sublethal concentrations (20-30% of LC_{50}-96 hr) values of cadmium and Malathion for a period of 35 days. The results showed that variation in biochemical parameters which is an adaptive response change of Nile tilapia due to sublethal exposure of some pollutants.

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