

عنوان مقاله:

(Sublethal toxicity of organophosphate, diazinon on some organs of great sturgeon (*Huso huso*)

محل انتشار:

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نویسندگان:

I. Sharifpour - *Iranian Fisheries Research Organization, Tehran, Iran*

H.A. Khosbavar Rostami - *Inland Waters Aquatic Stocks Research Center, Gorgan, Iran*

A. Mokarami-Rostam - *The Caspian Sea Ecology Research Center, Sari, Iran*

خلاصه مقاله:

Sublethal toxicity effects of diazinon on the structure of some organs of great sturgeon (*Huso huso*) were investigated. Diazinon was applied at a sublethal concentration of 1.5 mg L⁻¹ at 22±1 °C for nine weeks as a constant bath. Tissues of liver, kidney and gills were sampled and examined histopathologically after 1, 14, 28, 42 and 63 days post exposure to the toxicant. The results of light microscopic examinations of tissues revealed congestion of blood vessels, pyknosis and cloudy swelling in hepatocytes. Congestion of blood vessels and thickening of the basal membrane of bowman capsule in glomerol of the kidney were also observed. The gill of fish exposed to toxicant also showed congestion and dilation of blood vessels, swelling of the basement membrane, hyperplasia, fusion and necrosis of lamellae. This data showed that a long term exposure of fish to diazinon can cause several pathological changes in respiratory organ, haematopoietic tissues and liver.

کلمات کلیدی:

diazinon, great sturgeon, sublethal

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