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Use Some Of Biochemical Parameters And Histological Changes For Liver And Gills in *Silurus triosegus* fish As Biomarker For Aquatic Pollution in some stations on Shatt – Al Arab River

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ABSTRACT

Study some of biochemical and histological alteration in fish as biomarker for aquatic pollution by industrial and human discharge . fish were coughed from different stations represent of Al-Hartha station (1) , Al-Najepa station (2) and Abo- Alkaseb station (3) as well as control station located north of Shatt Al- Arab river (4) is low contamination . Fish of stations (1, 2 and 3) located near directly effect for industrial and human pollution and appeared of alteration of chloride cells respiratory diffusion distance in gills , also, recorded the decrease of glycogen, protein and lipid of liver compare with control . as well as showed histological changes in gill and liver represent by hyperplasia , bleeding , necrosis , inflammation , fibrosis and degeneration compare with (4) station .