Turkish Journal of Zoology

Turkish Journal

of

Zoology

The Effects of Malathion Alkaline Phosphatase Activity in the Liver, Kidney and Small Intestine in Mice

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Keywords
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Abstract: The effects of malathion on alkaline phosphatase activity in the liver, kidney and small intestine was investigated. Malathion doses of 40 mg kg^{-1} were injected intreperitonally (I:P) into mice. At 0, 4, 8, 16 and 24 hours after treatment with malathion, mice were decapitated and tissues were removed. Homogenate of the tissues was centrifugated at 48000xg for 30 minutes. The supernatant was used as an enzyme source. It was found that the malathion increased alkaline phosphatase activity in the kidney and decreased alkaline phosphatase activity in the liver and small intestine.

Key Words: Malathion, Liver, Kidney and Small intestine Alkaline phosphatase

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Turk. J. Zool., **23**, (1999), 709-714.
Full text: pdf
Other articles published in the same issue: Turk. J. Zool.,vol.23,iss.EK2.