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## The impact of Lambda cyhalothrin insecticide on the parameters and chemical metabolites in the kidneys of Wistar rats

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Lambda cyhalothrin is a synthetic pyrethroid insecticide type II, with increasing agricultural uses. This active substance consists of two of the four enantiomeric forms of cyhalothrin. This study was carried out on a group of rats (18 rats) treated with LCT (05 mg / kg / day), group C (06 rats) treated with LCT (10 mg / kg / day) orally for 90 days. This work is for the evaluation of the potential toxicity of LCT on the kidneys of rats and the variation of certain biochemical parameters and metabolites. The results obtained after administration of LCT show that it caused an increase in urea and creatinine also a disturbance of the main macromolecules namely proteins, lipids in treated rats with this two doses compared to controls. All of these variations are signs of the toxicity of this insecticide to the kidneys of Wistar rats.

### Biography

Guefaifia Yahia completed his bachelor diploma in animal biology and physiology and his master diploma in animal Ecophysiology from Tebessa University. He is now working as a pharmacist.

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