

## **TOXIC EFFECTS OF METHYL PARATHION ON THE GILLS OF *CHANNA GACHUA***

**SHAMPA JAIN**

*Department of Zoology and Biotechnology, Govt. Autonomous Science College, Jabalpur (M.P.)*

**ABSTRACT :** Morphologically color changes of gills increase with the increasing concentration and duration of methyl parathion. The toxicity and histopathological changes induced by methyl parathion to gills of *Channa gachua* were examined during sub chronic exposure of 2, 4 and 6 ppm for 10 and 20 days. Histological analysis revealed that the distal parts of the gill filaments showed bulging and in most cases become atrophied. Destruction of chondriocytes and vacuolation in columnar epithelium of primary and secondary gill lamellae. The pesticide residue in fish was in such level that may cause hazard to fish eater .

**Key words :** *Atrophy, Chondriocytes, vacuolations, Methyl parathion, Chana gachua.*