

Effect of Oleandrin on Micronucleus Cells of Freshwater Air Breathing Fish *Channa punctatus* (Bloch)

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Abstract: *The micronucleus test (MNT) of peripheral blood, gill and kidney cells of freshwater fish Channa punctatus has been carried out in specimens treated with different doses of oleandrin extracted from leaf of Nerium indicum. The higher frequency of micronucleated cells in these tissues in treated series against control. The data showed that the cells of the three different tissues had different response against the of plant extracts of Nerium indicum. The effect was dose dependent as shown by the frequencies in peripheral blood and kidney cells of treated fish Channa punctatus.*

Keywords: Oleandrin, *Nerium indicum*, Micronucleus, Pesticidal activity, *Channa punctatus*