



Research article

Haematological changes induced in the fish *Ctenopharyngodon idella* (Valenciennes) exposed to organophosphate Dichlorvos both technical and 76% EC (Nuvan)

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Abstract

Defilement of anthropogenic xenobiotic chemicals Viz., pesticides as organophosphate–the dichlorvos alter the circulatory fluid, blood in the heterotrophic, cold blooded nektonic culturable exotic fish, *Ctenopharyngodon idella*. The fish were exposed to both lethal and sublethal concentrations of technical grade and 76% EC (Nuvan). In both the concentrations the branchial single circuit blood pumped through venous blood, right from the early point showed imbalance of homeostasis with a dire consequence of haemostasis. The alterations studied were RBC, WBC, Hb, Haematocrit, PCV, MCV and MCHC. A decrement and increment of the parameters studied were reported herewith.