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RESEARCH NOTE

Effect of endosulfan toxicity on erythrocyte sedimentation rate (ESR) in fresh water teleost fish, *Clarias batrachus* (Linn.)

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ABSTRACT..... It is well known that almost all the pesticides and more particularly the synthetic pesticide used, find their way into water bodies alter the metabolism of aquatic organisms. In the present investigation, the effect of sub lethal concentration of endosulfan toxicity on fish, *Clarias batrachus* were studied after 24 hrs, 48 hrs, 72 hrs and 96 hrs exposure. Endosulfan is an organochloric insecticide that kills insects by disrupting their nervous system and is effective against wide range of plant eating insects. Suspected effects of endosulfan exposure include birth defects, increased rate of leukemia and immune system abnormalities. The result indicated a significant increase in ESR(mm/hr) 2.57 mm/hr, 2.60 mm/hr 2.71 mm/hr and 2.83 mm/hr, when compared to control group 2.56 mm/hr following both acute and sub-acute exposure to endosulfan.

KEY WORDS..... Endosulfan, Erythrocyte sedimentation rate, *Clarias batrachus* (Limn.)

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