



Acute effects of Ultraviolet A on some biochemical and histological parameters of African Catfish *Clarias gariepinus* (Burchell, 1822)

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Abstract:

In the present work, the destructive effects of Ultraviolet-A radiation on the African Catfish, *Clarias gariepinus* was revealed in terms of total protein, cholesterol, glucose, hemoglobin and erythrocytic indices, differential blood cell counting, heamatocrite, creatinine level, Aspartic Amino Transferase, Alanine Amino Transferase and Alkaline Phosphatase. These destructive effects were also confirmed by histopathological changes in liver, blood corpuscles and skin.

Keywords:

Ultraviolet radiation; Biochemical and histopathological parameters; African Catfish; *Clarias gariepinus*

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