



Toxicity of Ethanolic Extract of Leaves of *Calotropis procera* Aiton (Ushar) (Gentianales: Apocynaceae) Against the Larvae of *Culex quinquefasciatus* Say (Diptera: Culicidae)

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Abstract

The *Calotropis procera* plant (Ushar) which is used in this study, is available in nature, and considered as a promising resource of larvicide. The objectives of this study are to evaluate LC_{50%} and LC_{90%} values under laboratory condition after exposure (for 24, 48 and 72 hours) of ethanolic extract of *C. procera* (Ushar) leaves against the larvae of *Cx. quinquefasciatus*. The LC₅₀ values (50% mortality) were 360 and 198 ppm for 24 and 48 or 72 hours of exposure, respectively. The LC₉₀ values (90% mortality) were estimated to be 881ppm at 24 hours and 479 ppm for 24 and 48 or 72 hours of exposure to *C. procera* leaves extract.

Keyword: *Calotropis procera*, *Culex quinquefasciatus*, larvae, Toxicity