

DESIGN AND CONSTRUCTION OF AN ELECTRONIC MOSQUITO REPELLANT

BY

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ABSTRACT

This work is titled "Design and construction of an electronic mosquito repellant device. Mosquito repellants like coils, mats, liquid vaporizers, and creams are often used in various places. However, they are prone to being fatal and can cause harm to human beings. For instance, mosquito repellant creams and candles can cause adverse effects on the skin, like allergic reactions. Coils and mats can produce toxic fumes when heated and cause breathing trouble, whereas liquid vaporizers can also produce fumes when heated.

For an efficient result without any side effects, the optimum solution is to construct a simple electronic device with minimal components that can produce an output so as to repel the mosquitoes.

The aim of this work is to design a simple electronic device that can produce ultrasound in the frequency range of 20kHz to 38kHz, which can scare away mosquitoes.