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Production of Mosquitoes Repellents Insecticides (Mosquitoes Coil) using Orange Peels

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Abstract: *The main objective of the present study was to formulate mosquito repellent insecticide coil using orange peel .In this preparation limonene oil were used as insecticide limonene oil extract were taken than addition of ingredient such as activated charcoal , turmeric, camphor, water, coloring agent and flavoring agent at appropriate quantity, evaluation and characterization were performed for its safe and effective use. Mosquito-borne infections like dengue, malaria, chikungunya, etc. are a nuisance and can cause profound discomfort to people. Due to the objectional side effects and toxicity associated with synthetic pyrethroids, N,N-diethyl-3-methylbenzamide (DEET), N,N-diethyl phenylacetamide (DEPA), and N,N-di ethyl benzamide (DEBA) based mosquito repellent products, we developed an essential oil (EO) based mosquito repellent cream (EO-MRC) using clove, citronella and lemongrass oil. Subsequently, a formulation characterization, bio- efficacy, and safety study of EO-MRC were carried out. Expression of Anti-OBP2A and TRPV1 proteins on mosquito head parts were studied by western blotting.*

Keywords: mosquito repellent

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