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Formulation and Evaluation of Mosquito Repellent Candle

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Abstract: *Modern and conventional herbal therapy for illness prevention primarily derives from herbal plants, which contain a variety of biologically active substances that are beneficial for enhancing one's quality of life. as an environmentally responsible substitute for chemical repellents. Combining a suitable wax base for maximum burning, the candle contains a blend of natural essential oils, such as lemon, lavender, and rosemary, that are known for their ability to repel insects. The number of illnesses brought on by mosquitoes is increasing day by day. Yellow fever, dengue, zika virus, filariasis, malaria, and chicken-gunya are among the illnesses that are frequently brought on by mosquitoes. The created candle was tested at room temperature in the lab. The created candle is assessed for Organoleptic Character colour, Fragrance, texture, testing for irritability, flammable Test. humans health and insects can benefit from the use of herbal mosquito repellent candles. To ensure safety for indoor usage while optimising efficacy, the formulation process required figuring out the perfect concentrations for each essential oil. Through field testing in controlled circumstances, the duration and efficacy of mosquito deterrent were measured in order to assess the candles' repellent ability. The assessment also included physical attributes including stability, scent throw, and burn time. The outcomes demonstrated that the polyherbal composition considerably decreased mosquito attraction; an ideal mix demonstrated improved efficacy*

Keywords: Herbal; Mosquito; repellent; candle

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