

Herbal Mosquito Repellent Cream

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Abstract: Malaria is a principal cause of illness and death in countries where the disease is endemic. Personal protection against Mosquitoes using repellents could be a useful method that can reduce and/or prevent transmission of mosquito-borne diseases. The available repellent products, such as creams, roll-ons, and sprays for personal protection against mosquitoes can be used. Medicinal plants contain numerous biologically active compounds which are helpful in improving the life and treatment of diseases and these are the primary source of synthetic and traditional herbal medicine. The presence of various life-sustaining constituents in plants made scientists investigate these plants for their uses. The present study was conducted to determine the mosquito repellent activities of some selected plant materials in order to obtain safe and efficient herbal mosquito repellent formulations by combinations of the selected plant materials. *Azadirachta indica* seeds were soaked in hexane overnight and extract was filtered and the filtrate was concentrated by rotary evaporator. Essential oils of *Cymbopogon* leaves, *Eucalyptus globules* leaves and *Syzygium aromaticum* buds were purchased from a reliable source.

Keywords: Mosquito repellent activity, Plant extract, Essential oil, herbal mosquito repellent cream

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