**Abstract**

Mosquitoes are the most important and abundant pest in urban, sub-urban and rural environment. Although, chemical control provides quick mortality, resistance of mosquito against the use of insecticides have been widely reported. Moreover, chemical mosquito repellents contain toxic synthetic pyrethroids as active ingredients whose exposure to food and water is hazardous to health. In the present study, an attempt has been made to develop an eco friendly mosquito repellent sprayed with lemon grass oil. It is an established fact and practice is that the natural mosquito repellent is more effective and keeps environment pleasant and eco friendly. Raw materials have been selected based on experience and practice by ancestors. The formulation is safe, eco-friendly, cheap, easy to use and has maximum repellence against mosquitoes. In addition this, the mosquito repellent is less harmful to our health than the ones available in the market.