



*Scienxt Journal of Pharmaceutical Sciences*  
*Vol-1 || Issue-1 || Year-2023 || Jan-June || Pg:33-42*

## *Formulation and evaluation of polyherbal ant-repellent spray*

<sup>1</sup>\***Blessy Jacob**

Associate Professor, T. John College of Pharmacy, Bangalore, Karnataka, India

<sup>2</sup> **Pooja. S**

<sup>3</sup>**Radhika. T. P**

<sup>4</sup>**Sushmita. R. B**

<sup>2,3,4</sup> Student, T. John College of Pharmacy, Bangalore, 560083 Karnataka, India

<sup>5</sup>**Vineet Chandy**

<sup>3</sup> Principal, T. John College of Pharmacy, Bangalore, 560083 Karnataka, India

*\*Corresponding Author: Blessy Jacob*  
*Email: [blessyjacob@tjohngroup.com](mailto:blessyjacob@tjohngroup.com)*

### **Abstract:**

The ants are the most dominant group of social insects belonging to order Hymenoptera of class Insecta and family Formicidae. Ants can contaminate and destroy some agricultural products and stored foods. They get attracted towards sweet, food and play role as a scavenger. Ant invasions are the bane of homeowners. They can devastate plants and take over kitchens. Poisons and chemicals are effective, but dangerous in the kitchen. Essential oils belonging to various plant species and possessing mixtures of hydrocarbons have been seen to act as effective repellent against various pests. The easy availability, less adverse environmental impact and to eliminate toxic effects occurring due to repeated use of synthetic chemical insecticides have led to the increased interest in plant origin insecticides as an alternative to chemical insecticides. In the present study polyherbal Ant repellent is formulated which basically consist of essential oils from plants Eucalyptus globules, Eugenia caryophyllus, Mentha piperita, Alium sativum, Curcumis sativus & Citrus limonum. Experiments were carried out to evaluate the repellent property of plant extracts.

### **Keywords:**

Ant Repellent, polyherbal, essential oil, plant extracts.