

## **Research Paper Abstract**

### **Insect Repellant Potential of Juniper Berry (high school)**

In the Southwest shrub variety of *Juniperus communis* (Juniper Berry) has an essential medicinal origin in the Native American culture that has not been found scientifically. One of the favorite uses of Juniper berries aside from its detoxifying effect is its potential to repel insects (purpose and reasons).

This study will look at the development of insect repellant from its essential oil obtained through steam distillation (the problem).

50 g of fresh berries were harvested and dried for five days and is placed in a steel container with 100 mL of water for steam distillation using the “Flinn Scientific Borosilicate Lab Kit.” Collect the extracted oil and dilute to around 70% in three separate containers to be filtered into spray bottles. The tests involved the spraying of the diluted sample into a glass receptacle with *Anopheles Juidthae* (common mosquito) and compared this to the effect of a commercial insect repellant (facts).

After testing and analyzing the results, the commercial insect repellant showed that it is a better insect repellant compared to the *J. Communis* diluted essential oil. However, the essential oil has also been observed to contain insect repellant potential (concluding statement).

Polish your Abstract with our editing service or get a custom one from scratch.