

## Larvicidal Activity Of Some Botanical Extracts Commercial

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### Larvicidal Activity Of Some Botanical

The larvicidal activity may be due to the presence of phytochemicals alkaloids, steroidal glycosides, phenol, chlorogenic acid, flavonoid and tannin.

### (PDF) Larvicidal Activity of Some Botanical Extracts ...

For the larvicidal activity, *C. quinquefasciatus* was maintained at  $27 \pm 2$  °C, 75–85% RH and 14L:10D photoperiod cycles. 4th instar larvae of *C. quinquefasciatus* was kept in 250 ml glass beaker

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containing desired plant extracts concentration such as 50, 100, 150, 200 and 250 mg/ml. Five replicates for each concentration were made set up. A control was maintained with 2 ml acetone in 200 ml tap water.

### **Larvicidal activity of some medicinal plant extracts ...**

Highest larvicidal activity was observed in the chloroform extract of *D. foveolatum* against the larva of *C. quinquefasciatus* with  $LC_{50} = 277.03$  mg/ml. The larvicidal activity of the studied plants as follows chloroform extract of *D. foveolatum* ( $LC_{50} = 277.03$  mg/ml) >*L. uniflora* ( $LC_{50} = 300.56$  mg/ml) >*M. trichocarpa* ( $LC_{50} = 306.60$  mg/ml) >*P. triflorum* ( $LC_{50} 318.42$  mg/ml).

### **Larvicidal activity of some medicinal plant extracts ...**

The Open Toxinology Journal, 2011, 4, 000-000 1 2011 Bentham Open1875-4147/09 Open Access Larvicidal Activity of Some Botanical Extracts, Commercial Insecticides and their Binary Mixtures Against ...

### **Larvicidal Activity of Some Botanical Extracts, Commercial ...**

Larvicidal Activity of Some Botanical Extracts, Commercial Insecticides and their Binary Mixtures Against the Housefly, *Musca Domestica* L. S. A. Mansour\*,1, R. F.A. Bakr2, R. I. Mohamed1 and N.M. Hasaneen3 1Environmental Toxicology Research Unit (ETRU), Department of Pesticide Chemistry, National Research Centre, Dokki, Cairo, Egypt

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### **Larvicidal Activity Of Some Botanical Extracts Commercial**

All the plant extracts were found to have potential larvicidal activities against 3rd instar *An. arabiensis* larvae. Methanol crude extract of *Calpurnia aurea* achieved 100% larval mortality at 300 ppm with LC50 of 84.85 ppm while less activity was observed for methanol crude extract of *Artemisia annua*, 68% larval mortality at 300 ppm.

### **Larvicidal potential of some plant extracts against ...**

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### **Larvicidal Activity Of Some Botanical Extracts Commercial**

(Combretaceae), *Aegle marmelos* (Rutaceae) and *Lantana camara* (Verbenaceae) has strong larvicidal activity against third instar larvae of *Aedes albopictus*. Sukumar et al. has pointed out that the most promising mosquito control agents of botanical origin are from the families of Asteraceae, Lamiaceae, Meliaceae and Rutaceae.

### **Larvicidal efficacy of medicinal plant extracts against ...**

Insecticides of botanical origin have been reported as useful for control of mosquitoes. *Azadirachta indica* (Meliaceae) and its derived products have shown a variety of insecticidal properties. The present paper discusses the larvicidal activity of neem-based biopesticide for the control of mosquitoes.

### **Larvicidal activity of neem oil ( *Azadirachta indica* ...**

Larvicidal activities of the leaf, seed and pulp of the plant were therefore studied on laboratory

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reared larvae of *A. gambiae* at concentration ranges of 0.5 mg/ml to 5.0 mg/ml. The LC<sub>50</sub> and LC<sub>95</sub> values were obtained from probit analysis using SPSS version 16.0, at 95% confidence limit (CL).

### **Larvicidal Activity of *Picralima nitida*, an Approach in ...**

The results for the larvicidal and ovicidal activity of the soluble crude ethanol extract, ethyl acetate fraction and hexane fraction are summarized in Table 2. We found that the most effective larvicide and ovicide against *A. aegypti* is the soluble ethyl acetate fraction. Table 2.

### **Larvicidal and ovicidal activities of *Artocarpus blancoi* ...**

Research on botanical oils has found neem oil to be larvicidal. Larvicidal activity of neem oil (*Azadirachta indica*) formulation against mosquitoes. Median lethal concentration (LC<sub>50</sub>) of the formulation against *Anopheles stephensi*, *Culex quinquefasciatus* and *Aedes aegypti* was found to be 1.6, 1.8 and 1.7 ppm respectively.

### **Larvicide - Wikipedia**

The larvicidal, ovicidal, and repellent activities of crude benzene and ethyl acetate extracts of leaf of *Ervatamia coronaria* and *Caesalpinia pulcherrima* were assayed for their toxicity against three important vector mosquitoes, viz., *Anopheles stephensi*, *Aedes aegypti*, and *Culex quinquefasciatus* (Diptera: Culicidae).

### **Mosquito larvicidal, ovicidal, and repellent properties of ...**

Larvicidal Activity of a Natural Botanical Biostop Moustiques® and Physiological Changes Induced in Susceptible and Resistant Strains of *Anopheles gambiae* Giles (Diptera: Culicidae)

### **Larvicidal Activity of a Natural Botanical Biostop ...**

The larvicidal activity of *Azolla pinnata* plant extracts evidently affected the early 4<sup>th</sup> instar larvae

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of *Aedes aegypti* mosquito vectors. The Soxhlet extraction method had the highest larvicidal effect against *Ae. aegypti* early 4<sup>th</sup> instar larvae, with LC<sub>50</sub> and LC<sub>95</sub> values of 1093 and 1343 mg/L, respectively.

### **Chemical composition and larvicidal activities of Azolla ...**

Larvicidal activities of 15 crude extracts from three geographically isolated *Aloe ngongensis* (Christian), *Aloe turkanensis* (Christian), and *Aloe fibrosa* (Lavranos & L.E.Newton) (*Xanthorrhoeaceae*) species (five each) were evaluated against *Aedes aegypti* (Linnaeus in Hasselquist) (Diptera: Culiciade L.) yellow fever mosquito.

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