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Larvicidal Activity Of Some Botanical

larvicidal LC 50 values were < 100 ppm for Piper nigrum (50.1 ppm), Azadirachta indica (76.9 ppm), Conyza aegyptiaca (77.0 ppm) and Cichorium intybus (96.8 ppm); representing the highest potent extracts among the bioassayed candidates. Punica granatum extract exhibited the lowest toxicity (213.9 ppm). In comparison, commercial insecticides showed supe-

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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 ...

Larvicidal Activity of Some Plant Extracts against Mosquitoes Dr. Madhura Mukadam Department of Zoology, Gogate Jogalekar College, Ratnagiri, Maharashtra, India Abstract--Mosquitoes are the major vector for the transmission of malaria, dengue fever, yellow fever, filariasis, schistosomiasis and Japanese encephalitis. Malaria is one of the

Larvicidal Activity of Some Plant Extracts against Mosquitoes

The botanical based pesticides tend to degrade rapidly under the influence of several environmental factors. ... The larvicidal activity of the bags treated with pectin-cedar wood nanocapsules

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was ...

Impregnation of pectin-cedarwood essential oil ...

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* ...

European Journal of Biological Research (Eur J Biol Res) is a peer-reviewed, open-access, article-based, scientific Journal, that publishes articles on all aspects of biology

View of Anthelmintic/larvicidal activity of some common ...

Laboratory study on larvicidal activity of different plant extracts

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against *Aedes aegypti* Muhammad Uzair Mukhtar, Shumaila Mushtaq, Ali Arslan, Arkam ... Insecticides of botanical origin have been reported as useful for control of mosquitoes. ... America and some Pacific islands and about 2/3 of the world's population are

Laboratory study on larvicidal activity of different CODEN

...

camara (Verbenaceae) has strong larvicidal activity against third instar larvae of *Aedes albopictus*. Sukumar et al. [14] has pointed out that the most promising mosquito control agents of botanical origin are from the families of Asteraceae, Lamiaceae, Meliaceae and Rutaceae. The present finding is a

Larvicidal efficacy of medicinal plant extracts against ...

J. Asia-Pacific Entomol. 7(2): 227 -232 (2004)

www.entomology.or.kr Larvicidal Activity of Medicinal Plant

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Extracts Against *Aedes aegypti*, *Ochlerotatus togoi*, and *Culex pipiens pal/ens* (Diptera: Culicidae) Young-Cheol Yang, Il-Kwon Park¹, Eun-Hee Kim², Hoi-Seon Lee³ and Young-Joon Ahn² *
Department of Advanced Organic Materials Engineering,
Chonbuk National University, Chonju 561-756 ...

Larvicidal Activity of Medicinal Plant Extracts Against ...

Some features of the site may not work correctly. Corpus ID: 112513586 Larvicidal activity and phytochemical composition of crude extracts derived from *Vernonia lasiopus*, *Vernonia auriculifera* and *Vernonia galamensis* against the malaria vector *Anopheles gambiae*

Table 4.3 from Larvicidal activity and phytochemical ...

Among all target derivatives, A18 displayed the most potent larvicidal activity with CMRs of 89.7% than botanical insecticide toosendanin. LC 50 values of A8, A9 and A18 - 21 were further

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investigated and expressed as $\mu\text{mol mL}^{-1}$.

Application of natural products as insecticide candidates

...

Larvicidal Activity of Essential Oils of Apiaceae Plants against Malaria Vector, ... are still expensive and beyond the financial resources of some countries. Using botanical insecticides is a technique which can apply as an alternative to synthetic chemical formulations. Most botanicals are rapid acting and breakdown quickly in the environment.

Larvicidal Activity of Essential Oils of Apiaceae Plants ...

Results. The larvicidal activity of *Azolla pinnata* plant extracts evidently affected the early 4th instar larvae of *Aedes aegypti* mosquito vectors. The Soxhlet extraction method had the highest larvicidal effect against *Ae.aegypti* early 4th instar larvae, with LC₅₀ and LC₉₅ values of 1093 and 1343 mg/L,

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respectively. Meanwhile, the maceration extraction compounds were recorded with the LC50 ...

Chemical composition and larvicidal activities of Azolla ...

Larvicidal activity of the soluble crude ethanol extract was observed at doses ranging from 200 to 1000 ppm, and the larvicidal mortality ranged from 17.50 ± 4.18 to $93.33 \pm 6.06\%$. The observed data do not significantly differ with the Probit model, $p = 0.960$ (Supplementary data).

Larvicidal and ovicidal activities of Artocarpus blancoi ...

Research on botanical oils has found neem oil to be larvicidal. [citation needed] Larvicidal activity of neem oil (*Azadirachta indica*) formulation against mosquitoes. Median lethal concentration (LC50) of the formulation against *Anopheles stephensi*, *Culex quinquefasciatus* and *Aedes aegypti* was found to be 1.6, 1.8 and 1.7 ppm respectively.

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Larvicide - Wikipedia

Antifeedant and Larvicidal activity of the compound. Larvae of *Helicoverpa armigera* and *Spodoptera litura* was collected from the field of Thuckalay, Kanyakumari district, Tamil Nadu, India, and cultured at room temperature (30°C) in the insectary and allowed to multiply. The larvae were fed with cotton and castor leaves soaked with 10% honey solution (Dabur Honey, India) mixed with a 50 µL ...

In-vitro antimicrobial, antibiofilm, cytotoxic ...

The larvicidal activity of Biostop Moustiques® (BM), a botanical biocide, was studied on susceptible and resistant strains of *Anopheles gambiae* s.s. at the concentrations of 1, 5, 10 and 20 mL/L of water. In addition to mortality and total protein concentration, the effect of BM on the activity of the following metabolic enzymes was evaluated ...

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Larvicidal Activity of a Natural Botanical Biostop ...

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 ...

Some publications have described antibacterial, analgesic or schizontocidal activities for the latex of *Calotropis procera* (5-8). Giridhar et al (9) found compounds with larvicidal activity in the latex of *C. procera* for the first time.

Larvicidal efficacy of latex and extract of Calotropis ...

Leaves and Root Ethanolic Extracts of Some Plants Herbs

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Larvicidal activity of methanol, aqueous ... So this present ecofriendly paradigm proves the efficacy of E.indica as an botanical ...

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