

Larvicidal activity of some *Curcuma* and *Kaempferia* rhizome extracts against dengue fever mosquito *Aedes aegypti* Linnaeus (Diptera: Culicidae)

ABSTRACT

Investigations were carried out to test the larvicidal activity of extracts of some Zingiberaceae plants species against the larvae of dengue fever mosquito *Aedes aegypti*. Fifteen crude extracts from three *Curcuma* species and two *Kaempferia* species were used for the test. Most of these plants were toxic to the mosquito larvae and indicated promising activity with LC50 values of less than 90 µg/mL. Among the five plants, hexane extract of *Curcuma xanthorrhiza* was the most toxic against *Aedes aegypti* with LC50 value of 26.4 mg/mL. - See more at: http://www.asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=22_10_61#sthash.a5GblrYS.dpuf

Keyword: Larvicidal; Zingiberaceae; *Aedes aegypti*; *Curcuma*; *Kaempferia*