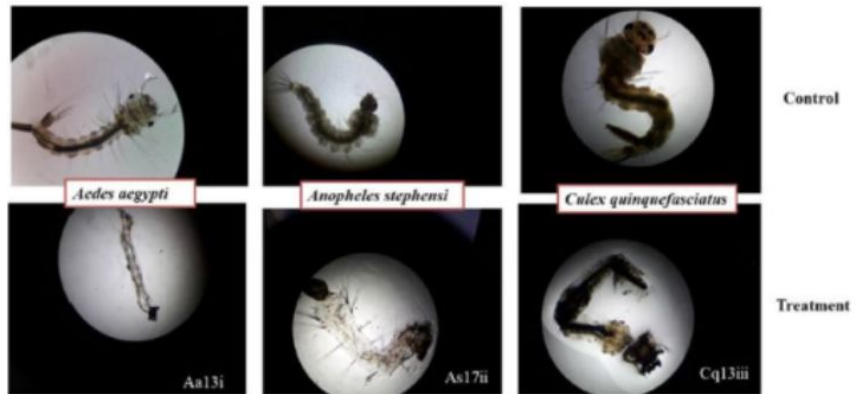


GRANTED

(IN407183)

Larvicidal formulation and a process for the preparation thereof



NEED

Malaria, dengue, and other mosquito-borne diseases affect millions each year. Current mosquito control solutions often fail to eliminate larvae effectively. Could a plant-based solution make a difference?

TECHNOLOGY OVERVIEW

This invention provides a plant-based larvicidal formulation, utilizing extracts from *Piper nigrum*, *Camellia sinensis*, and *Moringa oleifera*. The formulation targets various mosquito larvae, offering 100% efficiency in eliminating mosquito larvae, such as *Aedes aegypti*, *Culex quinquefasciatus*, and *Anopheles stephensi*.

TECHNOLOGY KEY FEATURES

100% larvicidal efficacy, plant-based formulation, targeted mosquito larvae control, non-toxic, plant extracts, eco-friendly, active against multiple mosquito species, precise concentration range, cost-effective, sustainable solution.

[Read more here](#)

MARKET ANALYSIS

The global mosquito control market is projected to grow at a CAGR of 7.3% from 2023 to 2033, driven by increasing vector-borne disease outbreaks and demand for eco-friendly alternatives. (Source: MarketsandMarkets, 2023)

Target Industries

1) Pharmaceutical companies developing insecticides; 2) Environmental service providers focusing on sustainable pest control; 3) Agricultural companies working on eco-friendly pesticides.

AT A GLANCE

- SDG 3 (Good Health and Well-being), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action)

Technology is available for licensing/ co-development.

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