

# 2018 年臺灣國際科學展覽會 優勝作品專輯

作品編號	200012
參展科別	環境工程
作品名稱	<b>Bioinsecticide vs Aedes aegypti, vector of dengue, zika and chikungunya</b>
得獎獎項	三等獎
國 家	<b>Mexico</b>
就讀學校	<b>CBTis 165 Leona Vicario</b>
作者姓名	<b>Erasmo Leonel Perez Mendez Betsabe Ivonne Miramontes Rivas</b>

作者照片



Manuel (teacher)



Erasmo



Betsabe Ivonne

## **Abstract**

The purpose of this research is to make an ecological insecticide that mixes the extracts of *Piper tuberculatum*, *Annona muricata* and *Melia azedarach*, that together in application cause mortality and repellence of the mosquito *Aedes aegypti* with the intention to help in the control of the diseases this mosquito is guilty of: dengue, zika and chikungunya, and decrease the risk of infection by a safe and organic way.

## 【評語】 200012

The extracts of *Piper tuberculatum*, *Annona muricata* and *Melia azedarach* were used for the production of eco-friendly insecticide. Laboratory test and in situ test show that the extract of the mixture of three plants had best performance in mosquito mortality. This is an interesting and eco-friendly work for the prevention of the mosquitos.