

# Using Unmanned Vehicles With Mounted Bug Zapper To Kill & Track Mosquitoes

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**Abstract**—Mosquitoes born diseases kill millions of human per year. Popular methods of controlling mosquitoes such as pesticide or adulticides are effective, but they introduce long term damage to the environment. Bug zapper are effective at killing mosquitoes, they can be mounted on unmanned vehicles and autonomously seek out mosquitoes in their breeding grounds such as ponds and swarms. Instrumentations on the bug zapper will log the position and weather status during flight. Mosquito controllers can use this information to analyse the insects' activities. The device can be mounted on a remote controlled or autonomous unmanned vehicle. If autonomous, the vehicle can also use data collected from the electrified net to better plan its path.

[3] Hur, B.; Eisenstadt, W., Low-power wireless climate monitoring system with RFID security access feature for mosquito and pathogen research, in Mobile and Secure Services (MOBISecSERV), 2015 First Conference, Gainesville, pp.1-5, 20-21 Feb. 2015

## I. INTRODUCTION

## II. PROCEDURE FOR PAPER SUBMISSION

A. *Selecting a Template (Heading 2)*

B. *Maintaining the Integrity of the Specifications*

## III. MATH

A. *Abbreviations and Acronyms*

Define abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CGS, sc, dc, and rms do not have to be defined. Do not use abbreviations in the title or heads unless they are unavoidable.

B. *Units*

C. *Equations*

D. *Some Common Mistakes*

## IV. USING THE TEMPLATE

A. *Headings, etc*

B. *Figures and Tables*

## V. CONCLUSIONS

## APPENDIX

## ACKNOWLEDGMENT

## REFERENCES

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- [2] Anupa Elizabeth, P.; Saravana Mohan, M.; Philip Samuel, P.; Pandian, S.R.; Tyagi, B.K..Identification and eradication of mosquito breeding sites using wireless networking and electromechanical technologies, in *Recent Trends in Information Technology (ICRTIT)*, 2014 International Conference, Chennai, 2014, pp. 1-6.

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