



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



# بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات  
لم ترد بالأصل

**EFFECT OF SOME SYNTHETIC PYRETHROID  
INSECTICIDES ON HONEYBEE  
*APIS MELLIFERA* L.**

BY

***ABD-EL HAMEED MAHMOUD AHMAD KHATTABY***

A Thesis submitted in partial fulfillment  
Of

The requirements for the degree of

**MASTER OF SCIENCE**

In

**Agriculture**

**(Economic Entomology)**

**Plant Protection Department**

**Faculty of Agriculture**

**Zagazig University**

**2001**

B A E K E



**EFFECT OF SOME SYNTHETIC PYRETHROID  
INSECTICIDES ON HONEYBEE  
*APIS MELLIFERA* L.**

BY

***ABD-EL HAMEED MAHMOUD AHMAD KHATTABY***

A Thesis submitted in partial fulfillment  
Of  
The requirements for the degree of

**MASTER OF SCIENCE**

In

Agriculture

(Economic Entomology)

Plant Protection Department

Faculty of Agriculture

Zagazig University

2001



**EFFECT OF SOME SYNTHETIC PYRETHROID  
INSECTICIDES ON HONEYBEE  
*APIS MELLIFERA* L.**

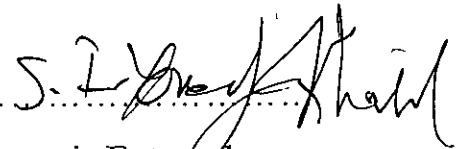
**BY**

***ABD-EL HAMEED MAHMOUD AHMAD KHATTABY***

**Agriculture B.Sc. (1976)**

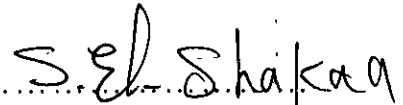
Under the Supervision of :

**Prof. Dr. Saad I. Yousif-Khalil** ...



**Prof. of Economic Entomology**

**Prof. Dr. Saad M.A. El-Shakaa** .....



**Prof. of Economic Entomology**

**2000/2001**



Approval Sheet

**EFFECT OF SOME SYNTHETIC PYRETHROID  
INSECTICIDES ON HONEYBEE  
*APIS MELLIFERA* L.**

BY

***ABD-EL HAMEED MAHMOUD AHMAD KHATTABY***

Agriculture B.Sc. (1976)

This thesis for M. Sc. degree has been  
approved by:

**Prof. Dr. Kamal Abd El Razek Gouhar** ... *K. Gouhar*

Prof. of Plant Protection in Zagazig Agric. Facul.

**Prof. Dr. Saad I. Yousif-Khalil** ... *S.I. Yousif Khalil*

Prof. of Economic Entomology Zagazig Agric. Facul

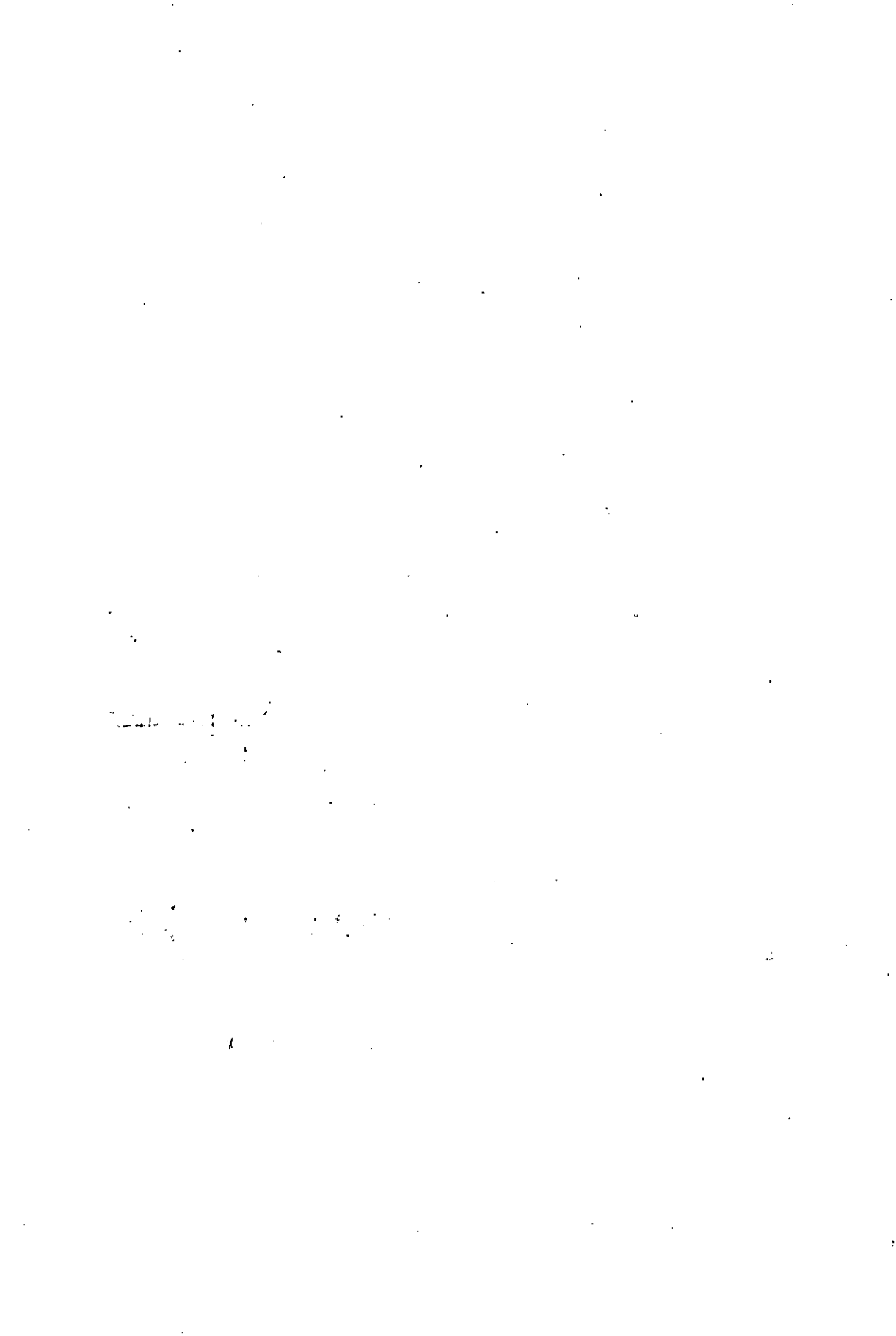
**Prof. Dr. Saad M.A. El-Shakaa** ... *S.M. El-Shakaa*

Prof. of Economic Entomology Zagazig Agric. Facul

**Dr. Samy Abo El Fotoh Raslan** ... *S.A.A. Raslan*

Dr. of Plant Protection in Plant Protection Res.

Date of examination:     /     / 2001



## ACKNOWLEDGMENT

The writer wishes to express his deep gratitude to Dr. Saad I. Yousif-Khalil, Professor of Economic Entomology, Plant Protection Department, Faculty of Agriculture, Zagazig University, for suggesting the subject and planning for the entire course of this work, direct supervision, fruitful suggestions, constructive criticism, and valuable help in reviewing the manuscript.

The writer also wishes to express his deep gratitude to Dr. Saad M.A. El-Shakaa, Professor of Economic Entomology at the same Department and Faculty, for his supervision, continuous suggestions, kind help, valuable advice and for reviewing the manuscript.

Thanks and appreciation are due to the members of Plant Protect. Dept., Fac. Agric., Zagazig Univ. and Plant Protect. Res. Inst. at Zagazig, especially Dr. Aly El-Sheakh, Dr. A.M.A. Khattaby, Dr. Samy Raslan, Dr. W.M. Desuki and Dr. E. Tharwat,

Thanks and sincere appreciation are due to Dr. I.M.A. Ebadah, Plant Protection Dept. at N.R.C. for his valuable help

