hossam maghraby

شبكة المعلومات الجامعية

بسم اللّه الرحمن الرحيم

hossam maghraby

شبكة المعلومات الجامعية

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

hossam maghraby

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

hossam maghraby

شبكة المعلومات الجامعية

بعض الوثائق الأصلية تالفة

hossam maghraby

شبكة المعلومات الجامعية

بالرسالة صفحات
لم ترد بالأصل

Biochemical studies on some Plant extracts as pesticides

BY

OLFAT ABD EL.LATIF SAYED MOHAMED RADWAN

B.S c. AGRIC. BIOCHEMISTRY – CAIRO UNIV, 1992
M.S c. AGRIC. BIOCHEMISTRY – CAIRO UNIV, 1996

THESIS

Submitted in partial fulfilment of the requirements for the degree

Of

Doctor of philosophy

In

AGRICULTURE BIOCHEMISTRY

BIOCHEMISTRY DEPARTMENT

FACULTY OF AGRICULTURE

CAIRO UNIVERSITY

2001

APPROVAL SHEET

TITLE: Biochemical Studies on Some Plant Extracts as Pesticides

NAME: *Olfat Abd El. Latif Sayed Mohamed Radwan*

THESTS HAS BEEN APPROVED BY:

PROF DR: عبلسم محمد نجيب

PROF DR: محمد عاطف غازى

PROF DR:

COMMITTEE IN CHARGE

Date 15 / 8 / 2001

*ACKNOWLEDGMENT *

* The author is deeply indebted to *Dr. Abd El.Kader Morsy Abd El.Samad* Prof. of Biochemistry, Department of Biochemistry, Agriculture. Fac. Of Agriculture, Cairo University for suggesting the problems and advice through out the course of the present investigation.

I own very much to him for guiding me to look for the good in the worst.

I would like to express my sincere gratitude for the inspiring suggestions and precious help extended.

* The author wishes to express her sincere appreciation to *Prof. Dr. Mohamed Abd Allah Saleh* Prof. of pesticide chemistry, Central Pesticide Lab for suggesting and supervising this valuable investigation, encouragement, sincere criticism, and for his useful help during study.

* Sincere thanks are extended to *Dr. Elhoseny El.Khateb,* Central Pesticides Lab for his valuable advice.

* Heartily credit is extended to *Prof. Dr. Mohamed Mahmoud Abo Zeid,* Prof. of Animal Science Dept, Fac. of Science, Al.AZHER University for his valuable advice.

* Thanks are extended to *Prof. Dr. Ibrahim haredy* Prof. of Medicinal & Aromatic Plants Research Section, Hort. Res. Ist. (HRT), Agriculture Research Center, (A.R.C.) Ministry of Agriculture Egypt, for his valuable advice.

* Thanks are extended to *Prof. Dr. Arafa Abd El Gliel Hilal,* Plant Pathology Institute, A.R.C, for his valuable advice.

* I wish to express my deepest thanks, gratitude and appreciation to: - *Dr. Gomaa Anter El Morsy and Dr. Samy El-Morsy,* Plant Pathology Institute, A.R.C, for their advice and valuable criticism as well.

* Thanks are extended to *Dr. Mohamed Ibrahim Rady* Dr. of Animal Science Dept., Fac. of Science, Al-Azher University, for his advice.

* Thanks are extended to *Dr. Soad Osman,* Filed crop pests plant production institute for her valuable advice.

* Sincere thanks are extended to *Dr. Ahmed El-Sisi Ghazy,* Central Pesticides Lab for his valuable **advice.**

* Thanks are extended to *Dr. Saied Ghabr* Dr. of Medicinal & Aromatic Plants Research Section, Hort.

Res. Ist. (HRT), Agriculture Research Center, (A.R.C.) Ministry of Agriculture Egypt, for his valuable advice.

* Sincere thanks are extended to *Dr. Mohamed Kamal,* Dr. of Organic Chemistry Dept., Fac., of Science, Cairo University, for his advice.

* Thanks are extended to *Dr. Ahmed El-Ghourab,* Dr. of Chromatography Analysis Dept., National Research Center, for his criticism as well.

ABBREVIATIONS

A.i	Active ingredient
ALAT	Alanine Amino Transferase
AP	Alkaline Phosphatase
ASAT	Aspertate Amino Transferase
Az.	Azadirachtin
b.wt	Body weight
E.C	Emulsifable Concentrate
GOT	Glutamic Oxaloacetate transaminase
GPT	Glutamic Pyruvate transaminase
Hb	Haemoglobin
HBCO	Haemoglobin + Carbon di Oxide
Hct	Haematocrite

HICN	Combination between Haemoglobin and Cyanide
Hplc	High performance liquid chromatography
LC90	concentration required to kill 90% of test animals
LC50	concentration required to kill 50% of test animals
LD5O	Dose required to kill 50% of test animals
PCV	Package cell volum
ppm	Part Per million
RBC'S	Red Blood Cells
SHB	Sulfer compined with Haemoglobin
WBC'S	White Blood Cells

CONTENTS