



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم

# بسم الله الرحمن الرحيم



**HANAA ALY**



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم



# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



**HANAA ALY**



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# 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



**HANAA ALY**

**CHEMICAL AND BIOLOGICAL STUDIES ON  
SOME MITES ASSOCIATED WITH  
ORNAMENTAL, MEDICINAL AND AROMATIC  
PLANTS**

**By**

**BASSEM ABDEL-NASSER ABASS SOUDY**

B.Sc. Agric. Sci. (Plant Protection), Fac. Agric., Cairo Univ., 2013

M.Sc. Agric. Sci. (Acarology), Fac. Agric., Cairo Univ., 2018

**THESIS**

**Submitted In Partial Fulfillment Of The Requirements For The Degree  
of**

**DOCTOR OF PHILOSOPHY**

**In**

**Agricultural Science  
(Zoology)**

**Department of Zoology and Agricultural Nematology  
Faculty of Agriculture  
Cairo University  
EGYPT**

**2021**

Format Reviewer

Vice Dean of Graduate Studies



APPROVAL SHEET

**CHEMICAL AND BIOLOGICAL STUDIES ON  
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## **SUPERVISION SHEET**

# **CHEMICAL AND BIOLOGICAL STUDIES ON SOME MITES ASSOCIATED WITH ORNAMENTAL, MEDICINAL AND AROMATIC PLANTS**

**Ph.D Thesis**

**In**

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**2021**



## DEDICATION

*I dedicate this work to ALLAH  
Who give me the power and health*

*I  
my grandmother soul  
My father, mother, brothers,  
and friends as well  
who give me prayers, love, patience,  
support and help*



## *ACKNOWLEDGEMENTS*

*Firstly and foremost of all, thanks to Allah for his help and providing me with the power and health to complete this work,*

*I would like to express my sincere thanks, deepest gratitude to Dr. Sally Farouk Mohamed Allam, and Dr. MORAD FAHMY HASSAN Professor of Acarology, Faculty of Agriculture, Cairo University, for her supervision, continued assistance, giving me freedom to develop my project, guidance through the course of my study and her input during the proposal stages of my project. I very much appreciate her encouragement of my research work,*

*I like to appreciate Dr. Nasr sobhy abdel\_fatah Head Research pesticides analysis Research Department Central Agricultural Pesticide Laboratory, Research Institute, Agricultural Research Centre, Dokki, Giza, Egypt ARC for her supervision; and his revision of the manuscript of this thesis, as well as his excellent comments on my thesis have made this final result much better.*

*Finally, I would like to thank my grandmother soul, parents, brothers for their love and support. They have always encouraged me in all of my pursuits and without them none of this would have been possible.*



## **Declaration**

Bassem Abel Nasser Abass Soudy ,declare that this thesis and the work presented there are my own and have been presented by me as the result of my original research.

### **Thesis Title:**

chemical and biological studies on mites associated with ornamental and medicinal plants.

### **Thesis type :**

**M.Sc.** ☐

**ph.D.** ☒

### **specific thesis format:**

thesis by monograph (traditional) ☐

thesis by publication ☒

I confirm that I have read the faculty ethical code of conduct on integrity and plagiarism ,and thesis is my Owen work ,written in my Owen words and was preformed wholly while I was candidature for a research degree at faculty of agriculture Cairo university .Any experimental data obtained or with the assistance of, others have been acknowledged. all sources of information are cited and the references are listed at the end of thesis .

signature

date \ \ 2021

