



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

بعض الوثائق
الأصلية تالفه

بالرسالة صفحات
لم ترد بالأصل

OK on Disk

MOLECULAR STUDIES ON THE EFFECT OF SOME NATURAL BIOLOGICAL PESTICIDES IN EXPERIMENTAL ANIMALS

Thesis

**Submitted for the Partial Fulfillment of the
Requirements for the Degree of Ph.D of Science in
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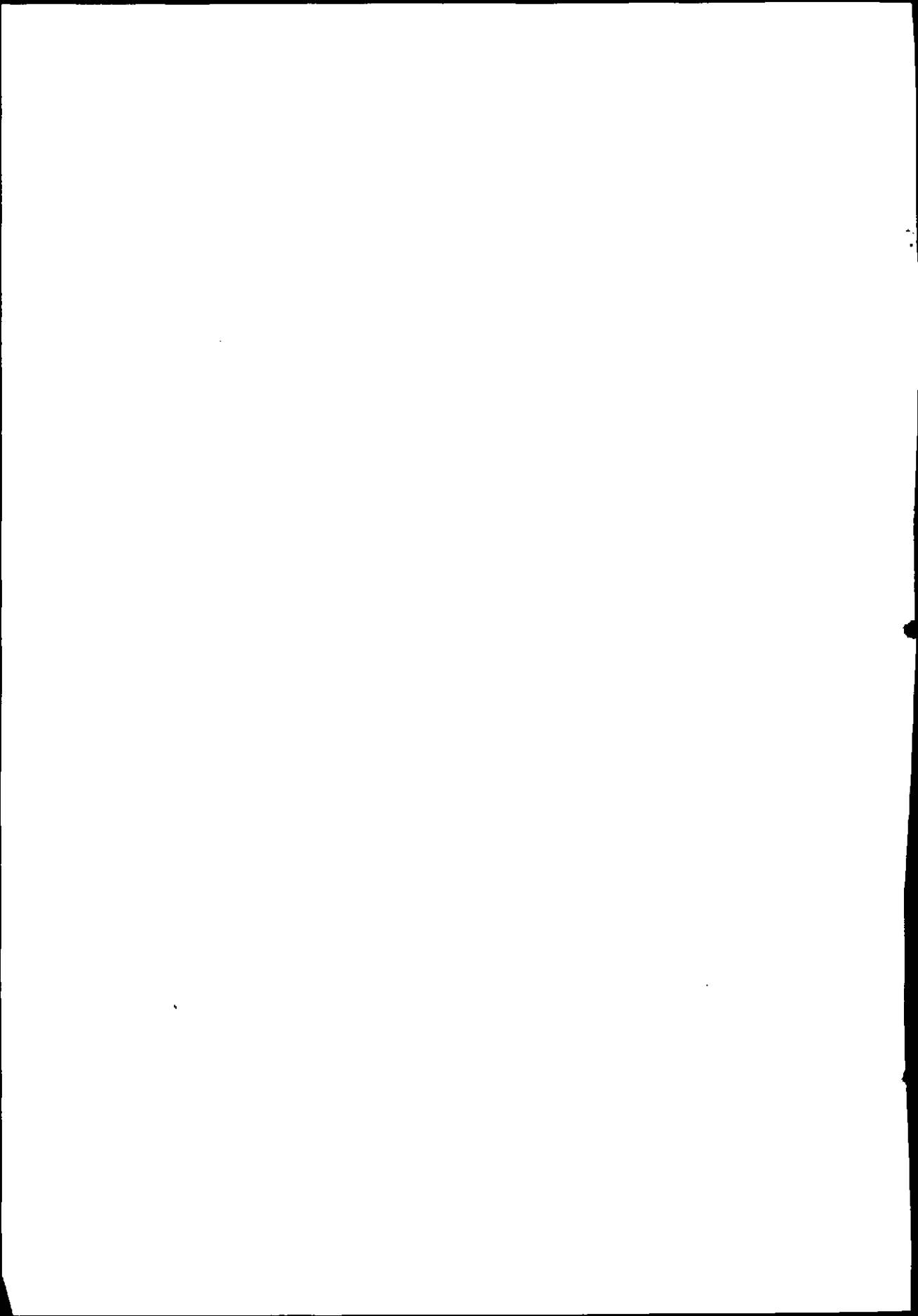
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*AT first, I thank **GOD** for performing this research work.*

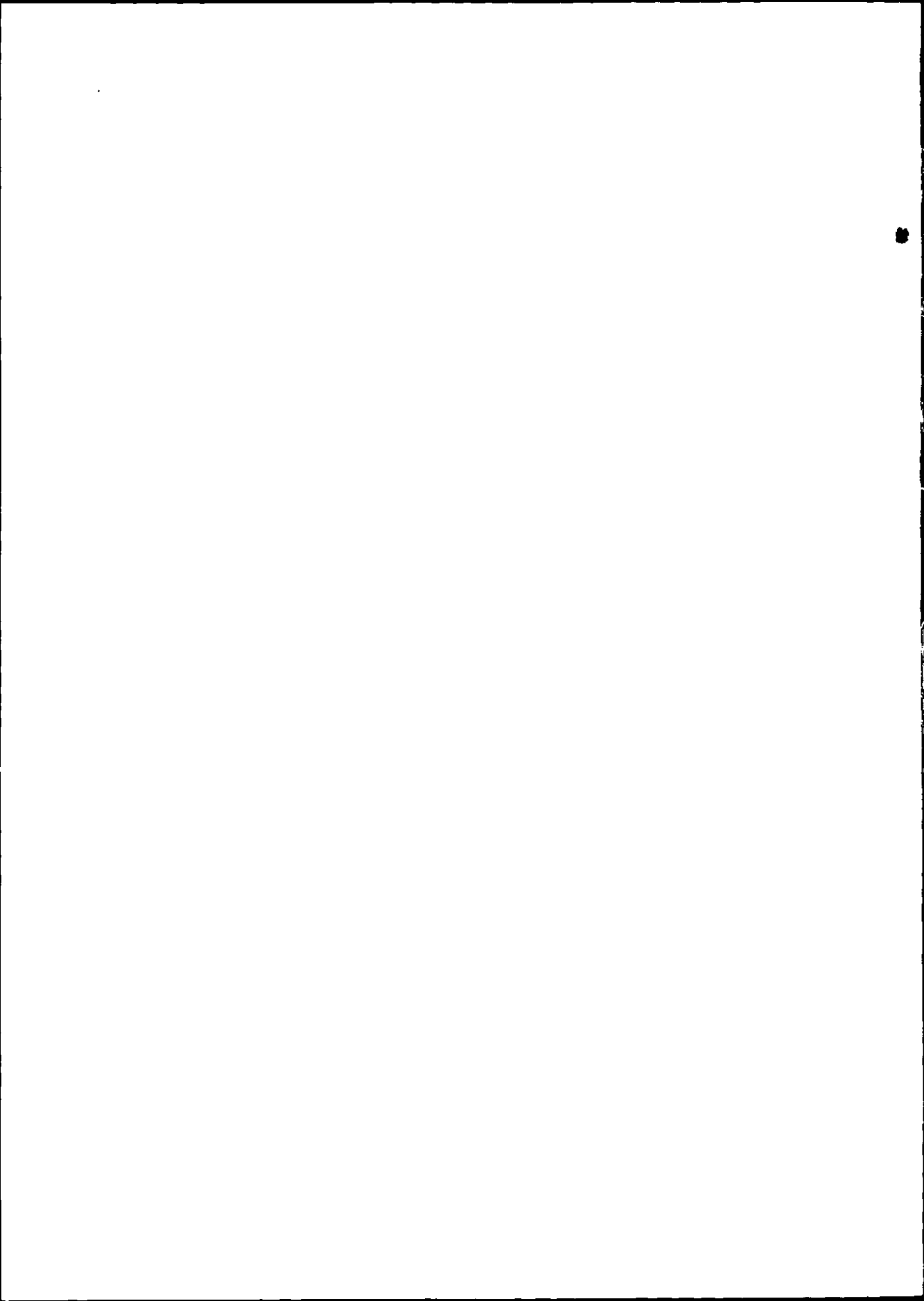
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ABBREVIATIONS

A.I.	: Active ingredient
aF	: Acetric fragment
AP-PCR	: Arbitrary Primer- Polymerase Chain Reaction
ATPase	: Adenosine 5- triphosphatase
AVM	: Avermectin
<i>Bam</i> HI	: <i>Bacillus amyloliquefaciens</i>
Bp	: Base pair
B.t	: <i>Bacillus thuringiensis</i>
b.wt.	: Body weight
CAPL	: Central Agriculture Pesticides Laboratory
CFU	: Colony form units
CNS	: Central nervous system
Cry Protein	: Crystal protein
DDC	: Diethyldithiocarbamate
Dmin	: Double minute
DHAVM	: Dihydroavermectin
DNA	: Deoxyribonucleic acid
Dnase	: Deoxyribonuclease
D NTPs	: Deoxynucleotide 5- triphosphate
D.W	: Distilled water
<i>Eco</i> RI	: <i>Escherichia coli</i>
EDTA	: Ethylenediaminetetra acetic acid
EMS	: Ethyle methane sulfonate
F	: Fragment
FCS	: Faetal calf serum
GABA	: Gamma aminobutyric acid
<i>Hind</i> III	: <i>Haemophilus influenzae</i>
HPLC	: High Performance Liquid Chromatography
ICP	: Insecticidal crystal proteins
I/M	: Intramuscular
I/P	: Intraperitoneal
IU	: International unit

Kb	: Kilo base
KDa	: Kilo Dalton
Kg	: Kilogram
LD ₅₀	: Lethal median dose
Min	: Minute
NCE	: Normochromatic erythrocyte
NEL	: No effect level
PCR	: Polymerase chain reaction
Ppm	: Part per million
Qr	: Quadri radial
R	: Ring
RAPD	: Random amplified polymorphic DNA
RE	: Restriction enzyme
RFLP	: Restriction fragment polymorphism
Rnase	: Ribonuclease
Sb	: Chromosome break
S/C	: Subcutaneous
Sd	: Chromosome deletion
SDS	: Sodium dodecyl sulfate
Sg	: Chromosome gap
Ss.p	: Subspecices
TA	: Thymidine adenine
TAE	: Tris acetic acid EDTA
Taq. Pol	: Taq DNA polymerase
tb	: Chromatid break
td	: Chromatid deletion
tg	: Chromatid gap
TK	: Thymidine Kinase
TLC	: Thin layer chromatography
Tris	: Tris (hydromethyle) aminomethane
<i>Xba</i> I	: <i>Xanthomanus badrii</i>
<i>Xho</i> I	: <i>Xanthomanus</i>

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