



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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Evaluation of a plant essential oil encapsulated with silica nanoparticles against the rice moth, *Corcyra cephalonica* Stainton (Lepidoptera: Pyralidae)

A Thesis

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LIST OF ABBREVIATIONS

APS	Ammonium persulfate
bp	Base pair
CBB	Coomassie Brilliant blue
CESN	Cinnamon oil encapsulated with silica nanoparticles
Cm ³ , cc	Cubic centimeter
CTAB	Cetyl trimethylammonium bromide
EDTA	Ethylenediaminetetraacetic acid
gm	gram
g/mol	gram per mole
kDa	Kilo-Dalton
Kg	Kilogram
L	Liter
LC	Lethal Concentration
LD	Lethal Dose
LT	Lethal Time
M	Molar
MSN	Mesoporous silica nanoparticles
m	meter
mg	milligram
ml	milliliter
mM	millimolar
nm	nanometer
ppm	Part per million
RH	Relative humidity
r.p.m.	Revolutions per minute

SDS-PAGE	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SEM	Scanning electron microscope
TEM	Transmission electron microscope
TEOS	Tetraethyl orthosilicate
TEMED	N,N,N,N, tetramethyl ethylenediamine
V	Volume
μg	microgram
μl	microliter
μm	micrometer

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