



Faculty of science  
Zoology department

***Evaluation of Chitin Extracted from  
Different Sources and Some Biological  
Applications to its Derivatives***

**A thesis**

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Science in Zoology

**BY**

**Shimaa Samir Hamdy Ahmed**

B.Sc.2011

**Supervisors**

**Prof. Nefissa Hussein Meky**

Professor of Physiology

Zoology Department

Faculty of Science- Ain Shams University

**Prof. Rawda Mohamed Badawy**

Professor of Taxonomy and Ecology

Entomology Department

Faculty of Science - Ain Shams University

**Hadeer Ibrahim Mohamed**

Lecturer of Biophysics

Biophysics Department

Faculty of science -Ain Shams University

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَنَكَ لَا عِلْمَ لَنَا

إِلَّا مَا عَلَّمْتَنَا<sup>ط</sup> إِنَّكَ أَنْتَ

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## **Approval Sheet**

**Name:** Shimaa Samir Hamdy Ahmed.

**Title:** Evaluation of Chitin Extracted from  
Different Sources and Some Biological  
Applications to its Derivatives.

**Scientific Degree:** Master degree of science.

### **Board of Scientific supervisors**

**Professor Dr. Nefissa Hussein Meky.**

Professor of physiology,  
Zoology department, Faculty of Science,  
Ain shams University.

**Professor Dr. Rawda Mohamed Badawy.**

Professor of Taxonomy and Ecology,  
Entomology Department,  
Faculty of Science , Ain Shams University.

**Dr. Hadeer Ibrahim Mohamed.**

Lecturer of Biophysics,  
Biophysics Department, Faculty of science,  
Ain Shams University.



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## *Dedication*

*First and foremost,  
I feel always indebted to Allah*

*Deep thanks and great full to my whole family  
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## List of Abbreviations

<i>Abb.</i>	<i>Full-term</i>
<b>bFGF</b>	basic fibroblast growth factor
<b>CI</b>	Crystallinity index
<b>DD</b>	Degree of deacetylation
<b>DRUV</b>	Diffuse reflectance UV-visible
<b>EDTA</b>	Ethylene diaminetetra acetic
<b>FIB</b>	Fibrinogen
<b>FT-IR</b>	Fourier transform infrared spectra
<b>pBS</b>	Phosphate buffer saline
<b>PLTs</b>	Platelets
<b>PT</b>	Prothrombin time
<b>PTT</b>	Partial thrombin time
<b>RBCs</b>	Red blood cells
<b>UV-VIS</b>	UV-visible
<b>WBCs</b>	White blood cells
<b>XRD</b>	X-ray diffraction

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