



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Ain Shams University Information Network  
جامعة عين شمس

شبكة المعلومات الجامعية

@ ASUNET



# 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  
علي هذه الأفلام قد أعدت دون أية تغييرات



## 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 تالفة



# بالرسالة صفحات نم ترد بالاصل



**Effect of Lipoic acid and Squalene on  
Cyclophosphamide-Induced Oxidative Stress in  
Rats**

CATUP

619,93

**Thesis  
Submitted for Partial fulfillment of the Master  
Degree of Pharmaceutical Sciences  
(Biochemistry)**

**By**

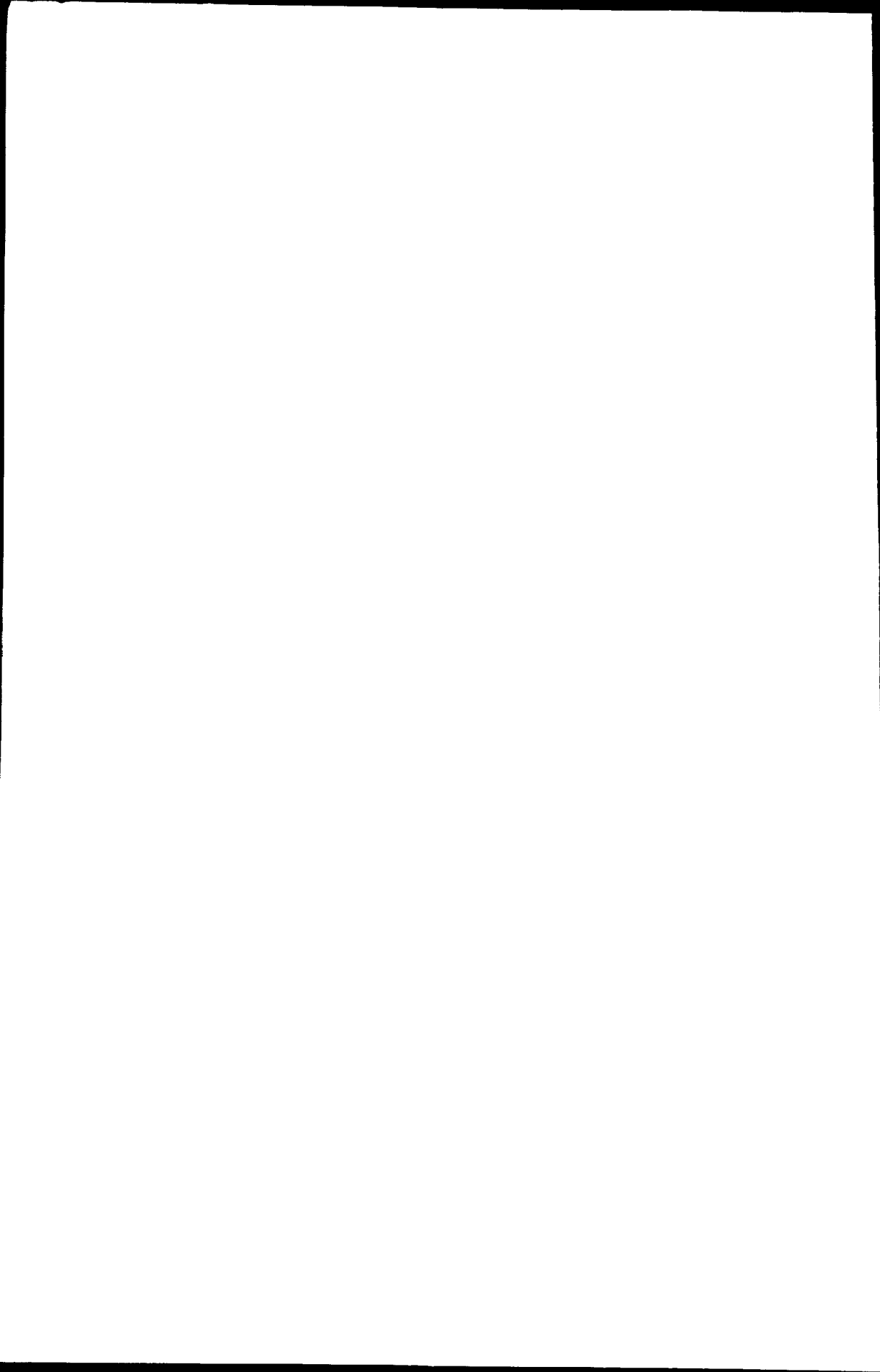
**The pharmacist: Ayat Refaat Hussein Abdel-Moaty Omar  
Demonstrator of Biochemistry  
Faculty of Pharmacy  
Cairo University**

**Under the supervision of**

**Prof. Dr. Tarek M. K. Motawi  
Professor and Head of the Biochemistry Department  
Faculty of Pharmacy  
Cairo University**

**Ass. Prof. Dr. Nermin Abd El-Hamid Sadik  
Associate Professor of Biochemistry  
Faculty of Pharmacy  
Cairo University**

**FACULTY OF PHARMACY  
CAIRO UNIVERSITY  
2010**



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

{ سُبْحَانَكَ لَا إِلَهَ إِلَّا مَا عَلَّمْتَنَا إِنَّكَ

أَنْتَ الْعَلِيمُ الْحَكِيمُ }

(البقرة ٣٢)

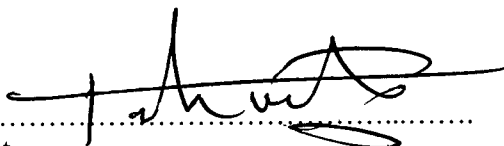




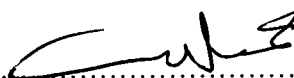
## Approval Sheet

This thesis was approved by:

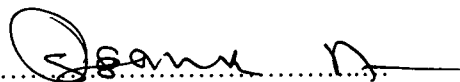
1- Prof. Dr. Tarek M. K. Motawi .....  
Professor and Head of Biochemistry Department  
Faculty of Pharmacy – Cairo University



2- Prof. Dr. Gamil Amin Tadros .....  
Professor of Medical Biochemistry – Faculty of Medicine – Cairo University



3- Prof. Dr. Osama Abdel Motaal Mansour .....  
Professor of Biochemistry and Dean of Faculty of Pharmacy (boys) – Al-Azhar University



Committee in charge  
9/12/2010





## PREREQUISITE POST-GRADUATE COURSES

Beside the work presented in this thesis, the candidate, graduate in May 2003, general grade excellent with honour, 1<sup>st</sup> ranking, had attended prerequisite post-graduate courses.

- The candidate had successfully passed the examination in the following topics with the mentioned grades:

### I- Special course in "Biochemistry"

-Metabolism	Excellent
-Hormones	Excellent
-Enzymes	Good
-Nucleic acids	Excellent
-Organic Chemistry	Very Good

II- Computer and its applications

Excellent

III- Searching the literature and English language

Excellent

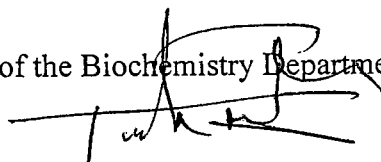
IV- Fundamentals of Statistics

Excellent

**Overall grade:** excellent

- The candidate has registered for Master's thesis in April 2007.

Head of the Biochemistry Department



Prof. Dr. Tarek M. K. Motawi



## ACKNOWLEDGEMENT

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