



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



شبكة المعلومات الجامعية  
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# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

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**Menoufiya University**  
**Faculty of Science**  
**Department Of Chemistry**

٩٦٤/

**IMMUNOBIOLOGICAL STUDIES ON THE EFFECT  
OF SOME NATURALLY OCCURRING COMPOUNDS ON SOLID  
TUMOR IN EXPERIMENTAL FEMALE ALBINO MICE**

**THESIS**

Submitted By

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For the Degree Of

**DOCTOR OF PHILOSOPHY OF SCIENCE**

In Organic Chemistry (Biochemistry)

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**To : The Soul of My Son Yahya**

**To : My Parents and My Brothers**

**To : My Wife**

**They gave me the spirit  
to complete this work**

*M. Elrefaei*



## ACKNOWLEDGEMENT

First and foremost, I would like to thank God, the most Beneficial and Merciful.

I feel it is my duty to appreciate the efforts of my professors and colleagues, without whose assistance the achievement of this thesis would not have been done.

I would like to express my sincere gratitude to **Prof. Dr. Mahmoud I. Nasr**, Professor of Genetics and Dean of Genetic Engineering and Biotechnology Research Institute, Menoufiya University, for his valuable supervision and his extended kind advice.

I am deeply grateful to **Prof Dr. Salah M. El-Kousy**, Professor of Chemistry, Faculty of Science, Menoufiya University for his most charitable attitude, continuous help and valuable direction from the beginning of this work.

I am really indebted to **Prof. Dr. Farha A. El-Shenawi**, Professor of Clinical Immunology, Faculty of Medicine, Mansoura University for her precious support and kind advice that was much appreciated and I will always be proud to have worked under her guidance.

My sincere thanks are extended to **Prof. Dr. Nurul H. Sarkar**, Professor of Medicine and Cancer Biology, Institute of Molecular Medicine and Genetics, Medical College of Georgia, Augusta - GA, USA for his generous attitude, continuous help from the beginning when I joined his laboratory till the last moment in the preparation and completion of this work.

A special acknowledgement is due to , **Dr. Maha Abo-Hashem**, Associate Professor of Pathology, Faculty of Medicine Mansoura University and is extended to **Prof. Dr. Francis Chandler**, Professor of Pathology, Medical College of Georgia, Augusta - GA, USA, who both gave me beneficent support for understanding and judging the pathology work and that was much appreciated.

Finally, I would like to thank **my wife** for her great assistance in the preparation and typing of this work.

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## LIST OF ABBREVIATIONS

ALT	Alanine aminotransferase
ALP	Alkaline phosphatase
AST	Aspartate aminotransferase
ATP	Adenine Triphosphate
CCV	Cerastes, cerastes venom
CHE	Cholesterol esterase
CHO	Cholesterol oxidase
CPT	Captothecin
CVV	Cerastes, vipera venom
DAPI	4,6 Diamidino-2-phenylindole
DHFR	Dihydrofolate reductase
DNA	Deoxyribonucleic acid
HIV	Human Immunodeficiency virus
HTLV	Human T-cell leukemia virus
I.P	Intraperitoneal
LD	Lethal Dose
MTX	Methotrexate
P	Probability
P.B.S.	Phosphate buffer saline
PLA2	Phospholipase A2
R.F	Reitman and Frankel
R.P.M	Revolutions per minute
S.C.	Subcutaneous
S.D	Standard deviation
S.E	Standard error
VLDL	very low density lipoprotein



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