شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

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 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 الوثائـــــــق الاصليـــــة تالفـــة

بالرسالة صفحات لم ترد بالاصل

STUDIES ON THE EFFECT OF SOME FOODS ON BLOOD CHOLESTEROL LEVEL IN RATS

BY

KHALED ALY ABD EL-RHMAN AHMED SHAHEEN

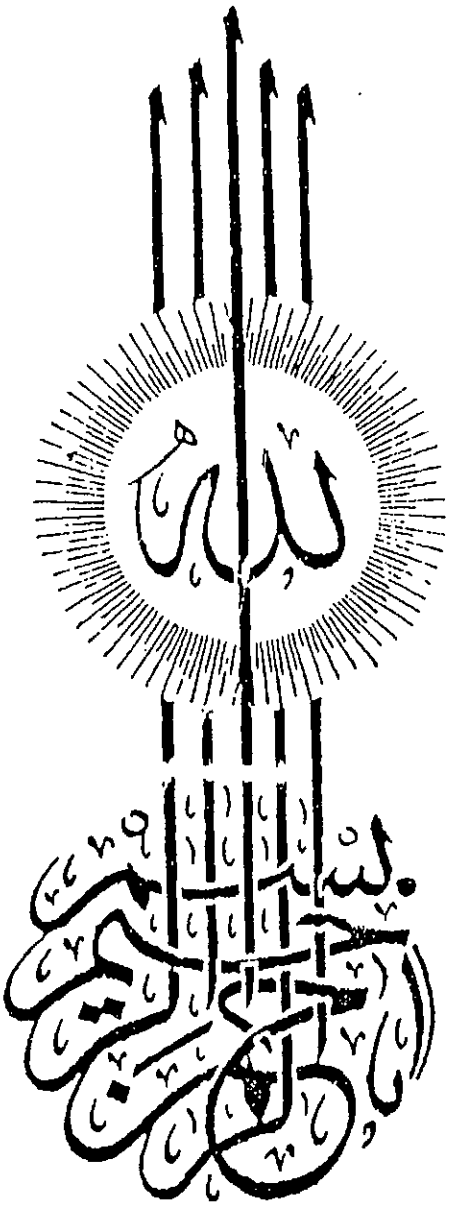
FOOD SCIENCE AND NUTRITION DEPARTMENT
FACULTY OF HOME ECONOMICS
MENOUFIA UNIVERSITY

THESIS
SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE DEGREE
OF DOCTOR OF PHILOSOPHY

IN

NUTRITION AND FOOD SCIENCE
FACULTY OF HOME ECONOMICS
MENOUFIA UNIVERSITY

1997



سبحانك

لا علم لنا إلا ما علمتنا إنك أنت العليم الحكيم

صدق الله العظيم

UNDER SUPERVISION

- **Prof. Dr. Atiat El-Bahay,**

Prof. Of Nutrition and Food Science, Faculty of Home Economics, Helwan University. Atiat. M. El Bahay

- **Prof. Dr. Mohamed Samir Abd-Allah El-Dashlouty,** El-D

Prof. Of Nutrition and Food Science, Faculty of Home Economics, Menoufia University.

- **Prof. Dr. Abd El-Rahman Mohamed Atia,** Abdel R. M. Atia

Prof. Of Nutrition and Food Science, Faculty of Home Economics, Helwan University.

APPROVAL SHEET

Name *KHALED ALY ABD EL-RHMAN AHMED SHAHEEN*

Title *STUDIES ON THE EFFECT OF SOME FOODS ON BLOOD CHOLESTEROL LEVEL IN RATS*

Degree *DOCTOR OF PHILOSOPHY DEGREE IN NUTRITION AND FOOD SCIENCE*

This Thesis for the Ph.D. has been approved by:

1. **Prof. Dr.** Abdel R. M. Ali
2. **Prof. Dr.** Abd. M. El Bahay
3. **Prof. Dr.** M. M. El-Sayed
4. **Prof. Dr.** Sonia S. El Marsafy
5. **Prof. Dr.** El-D

Committee in Charge

Date: / /1997

MENOUFIA UNIVERSITY

1997

ACKNOWLEDGEMENT

First I want to thank Allah for helping me so much till this study see the light.

It is pleasure to express my sincere thanks and gratitude to **Professor Dr. ATIAT EL-BAHAY**, Prof. of Nutrition and Food Science, Faculty of Home Economics, Helwan University, for her assistance, encouragement, endless enthusiasm, guidance and continuous encouragement in the initiation progress and completing of this study.

I would like also to express my deepest thanks, appreciate and sincere gratitude to **Professor Dr. MOHAMED SAMIR ABD-ALLAH EL-DASHLOUTY**, Prof. Of Nutrition and Food Science, Faculty of Home Economics, Menoufia University, for his supervision, guidance and valuable advice.

Grateful acknowledgment and sincere thanks are also due to **Professor Dr. ABD EL-RAHMAN MOHAMED ATIA**, Prof. of Nutrition and Food Science, Faculty of Home Economics, Helwan University, for his supervision and guidance as well as offering research facilities needed to make this work possible.

I wish also to express my thanks and gratitude to my **FAMILY** for valuable help.

KHALED SHAHEEN

TO THE SOUL OF MY FATHER

CONTENTS

LIST OF TABLES