



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل



Dept, of Nutrition and Food Sciences  
Faculty of Home Economics  
Minufiya university

# **STUDY OF THE EFFECT OF SOME SPICES ON THE HEALTHY STATUS OF THE LIVER IN RATS**

**BY**

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Thesis Submitted of the Requirements for M.Sc. Degree in  
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2006

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1-02







بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَمَا تَوْفِيقِي إِلَّا  
بِاللَّهِ عَلَيْهِ تَوَكَّلْتُ  
وَالْيَهُ أَنْيَبُ

(هود: ٨٨)



Faculty of Home Economics  
Department of Nutrition and Food Science

## APPROVAL SHEET

**The Researcher: Eman Elsayed Mohamed Nasr**

**Title of Thesis:** Study of the effect of some Spices on the healthy status of the liver in rats

**Degree: Master in Home Economics (Nutrition and Food Science) Dept.**  
**This thesis has been approved by:**

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Committee in Charge  
Date: 17 / 8 / 2006

12/10/19

12/10/19



Faculty of Home Economics  
Department of Nutrition and Food Science

## SUPERVISION

The Researcher: Eman Elsayed Mohamed Nasr

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Committee in Charge  
Date: 17 /8 / 2006



# ABBREVIATIONS

ALT	Alanina amino transferasè
ALP	Alkaline phosphatase
ADA	American Dietetic Association
G -6 -Pase	Glucose -6-phospatase
T(3)	Triiodothyronine
AST	Aspartate amino trans ferasè
A.O.A.C	Association of Official Analytical Chemists
(B (a) P)	Benzo (a) pyrene
CYT,B5	Cytohrome b5
DMH	Dimethyl hydrazine
GOT	Glutamic- oxaloacetic transaminase
GPT	Glutamic- pyrurate trans aminase
GST	Glutathion S- transferase
GPX	Glutathione peroxidase
GR	Glutathione reductase
HDL	High density lipoprotein
ICDH	Iso citrate dehydrogenase
KDH	Keto glutarate dehydrogenase
LFT	Liver function test
LDL	Low density lipoprotein
MDH	Malate dehydrogenase
MDA	Malon dialdehyde
SDH	Succiante dehydrogenase
TG	Triglycride
VLDL	Very low density lipoprotein

