



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

EFFECT OF METHIONINE ADMINISTRATION IN PREVENTING CADMIUM INDUCED BIO-CHEMICAL ALTERATION

THESIS

Submitted for the Partial Fulfillment of Master Degree
In Clinical Toxicology

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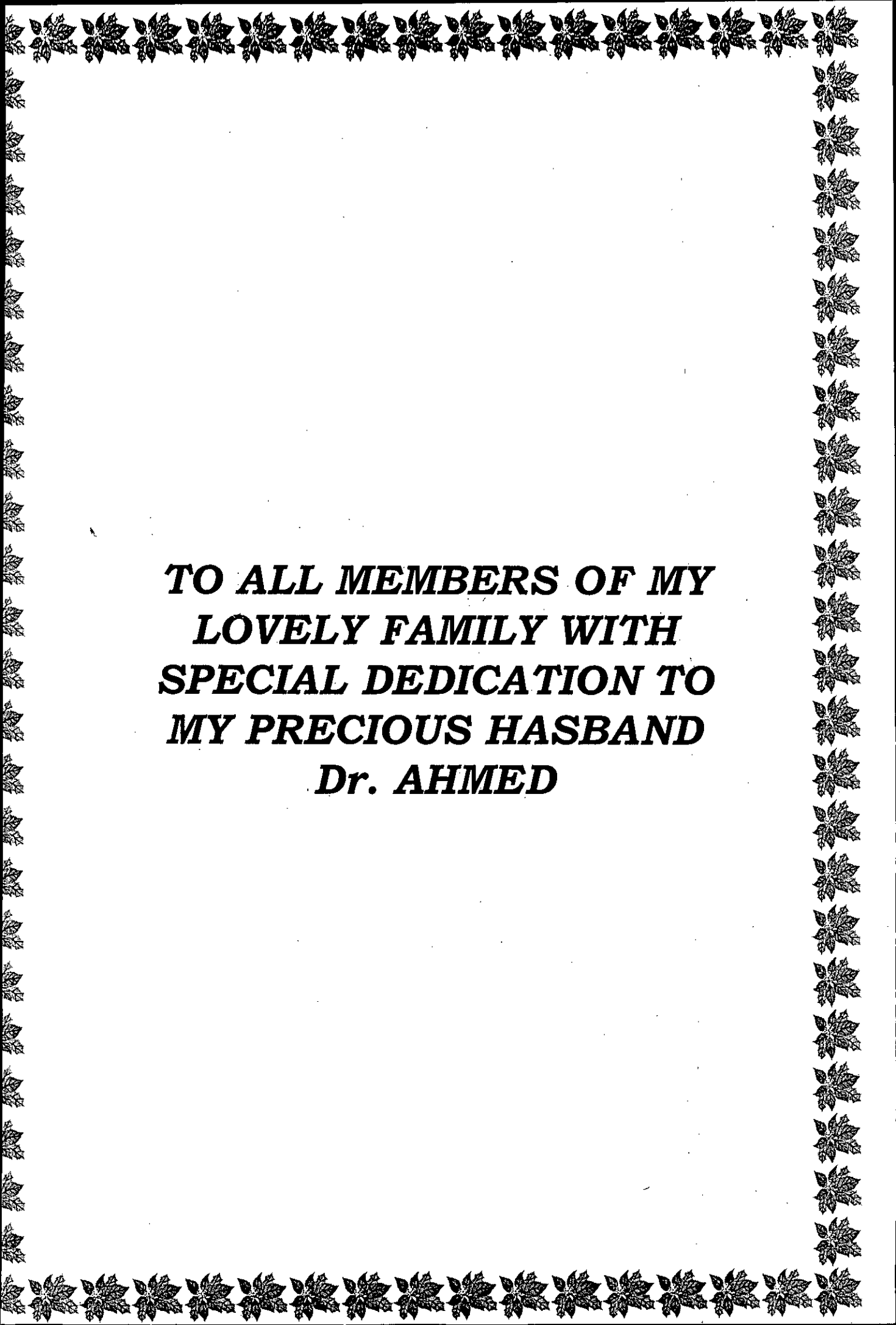
بسم الله الرحمن الرحيم

”قالوا سبحانك لا علم لنا إلا ما علمتنا إنك

أنت العليم الحكيم“

صدق الله العظيم

سورة البقرة آية (32)



***TO ALL MEMBERS OF MY
LOVELY FAMILY WITH
SPECIAL DEDICATION TO
MY PRECIOUS HASBAND
Dr. AHMED***

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Abbreviations

A.A.S	Atomic absorption spectrophotometer
ALP	Alkaline phosphatase
ALT	Alanine transaminase
AST	Aspartate transaminase
ATP	Adenosine triphosphate
CAMP	Cyclic adenosine monophosphate
Cd	Cadmium
Cont.	Control
Creat.	Creatinine
FAD	Flavin amide dinucleotide
GR	Glutathione reductase
GSH	Glutathione
GSH-Px	Glutathione peroxidase
GST	Glutathione-S-transferase
IARC	International Agency Research for Cancer
LDH	Lactic dehydrogenase
LPO	Lipid peroxidation
M	Molar
MDA	Malondialdehyde
Met.	Methionine
μl	Micro liter
MT	Metallothionein
M.W.	Molecular weight
N	Normal
nm	Nano meter

NADP	Nicotine amide dinucleotide phosphate
ppb	Part per billion
ppm	Part per million
SOD	Superoxide dismutase
Vit.	Vitamin
WHO	World Health Organization
W/V	Weight per volume

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