



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



HANAA ALY



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التوثيق الإلكتروني والميكرو فيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكرو فيلم



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جامعة عين شمس

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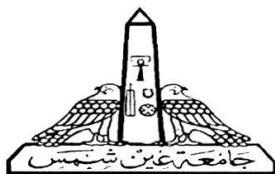


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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



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A study on olive seeds powder and its nano- particles on arterial endothelial dysfunction in rats fed on high fat high fructose diet.

Thesis

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قال الله تعالى :

يَرْفَعُ اللَّهُ الَّذِينَ آمَنُوا

مِنْكُمْ وَالَّذِينَ

أَوْتُوا الْعِلْمَ

دَرَجَاتٍ

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Dedication

I feel deeply grateful to my family for their continuous love, help, advice and support.

I dedicate this work to

My great mother, my love son (Hazem) , my love husband (Ahmed) , my brothers and my sisters

and especially dedicated for The soul of my father.

Also, I dedicate this work to

My father in law and my mother in law

List of Abbreviations

Abbreviations	Full term / words
ADMA	Asymmetric dimethylarginine
AGEs	Advanced glycation end products
AGU	Anhydroglucose unit
Ang II	Angiotensin II
BBB	Blood-Brain Barrier
BET	Brunauer, Emmett and Teller
BMI	Body mass index
BW	Body weight
CAD	Coronary artery disease
Caf	Cafeteria diet
CAT	Catalase
Cav-1	Caveolin -1
CE	Cholesterol esterase
cGMP	Cyclic guanosine monophosphate
CRP	C-reactive protein
COX	Cholesterol oxidase
CVD	Cardiovascular disease
DA	Dubinin-Astakhov
EC	Endothelial Cell
ECE	Endothelin converting enzyme
ED	Endothelial dysfunction
ELISA	Enzyme linked Immune Sorbent Assay
eNOS	Endothelial Nitric Oxide Synthase
EPC	Endothelial progenitor cell
ER	Endoplasmic reticulum
ET-1	Endothelin-1
ETs	Endothelins
FER	feed efficiency ratio
FFA	Free fatty acid
GIP	Gastric inhibitory polypeptide

GO	glucose oxidase
H &E	hematoxylin and eosin
HDL-C	High-density lipoprotein cholesterol
HF	Heart failure
HFHF	High Fructose –High Fat diet
HOMA-IR	Homeostatic Model Assessment of Insulin Resistance
HRP	Horse radish peroxidase
HT	Hydroxytyrosol
HPMC	Hydroxypropylmethylcellulose
ICAM	Intercellular adhesion molecules
IL-6	Interlukin-6
LDL-C	Low density lipoprotein - cholesterol
LOX-1	Lectin-like oxidized low density lipoprotein receptor-1
MAP	Mean arterial pressure
MAPK	Mito-gen Activated Protein Kinase
MDA	Malondialdehyde
MUFA	Monounsaturated fatty acid
NADPH	Nicotinamide Adenine Dinucleotide Phosphate Oxidase
NCC	Nanocrystalline cellulose
NIDDM	Non-insulin-Dependent Diabetes Mellitus
NO	Nitric oxide
NPs	Nanoparticles
O.D	Optical density
ox-LDL	Oxidized low density lipoprotein
PBS	Phosphate buffer saline
PI3K	Phosphatidylinositol 3- kinase
PKC	Protein Kinase C
PL	Parameter logistic
PMNs	Polymorphonuclear neutrophils
PO	peroxidase
PUFA	Polyunsaturated fatty acids
PVAT	Perivascular adipose tissue

QE	Quercetin equivalent
RD	Regular diet
ROS	Reactive Oxygen Species
SOD	Superoxide dismutase
TAGs	Triacylglycerols
TBA	Thiobarbituric acid
TC	Total cholesterol
<i>TEM</i>	<i>Transmission Electron Microscopy</i>
TMB	Tetra methyl benzidine
TNF α	Tumor necrosis factor alpha
TXA ₂	Thromboxane A ₂
VCAM-1	Vascular Cellular Adhesion Molecule-1
VDR	Vitamin D receptor
VLDL-C	Very low density lipo-protein-cholesterol
VSMC	vascular smooth muscle cell
XO	Xanthine Oxidase
<i>XRD</i>	<i>X-ray Diffraction</i>

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