



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY

Phytochemical study of certain medicinal plants and certain extracts of common use in folk medicine for treatment of urinary disorders

A Thesis Submitted
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List of Abbreviations

ABTS	2,2'-azino-bis(3-ethylbenzothiazoline-6-sulphonic acid)
Ach	Acetylcholine
AGP	Arabinogalactan protein
AIDS	Acquired Immune Deficiency Syndrome
AKI	Acute kidney injury
AgNPs	Silver nanoparticles
AgNO₃	Silver nitrate
ALT	Alanine transaminase
ANOVA	Analysis of variance
AST	Aspartate aminotransferase
ATCC	American type culture collection
ATG7	Autophagy Related 7
BAX	BCL2 Associated X
BT	Bleeding time
CCl₄	Carbon tetrachloride
CFU	Colony-forming unit
CKD	Chronic kidney disease
CLSI	Clinical and Laboratory Standards Institute
COX-1/ COX-2	Cyclooxygenase enzyme 1/ 2
CRP	C-Reactive Protein

List of Abbreviations

DAD	Diode-array detection
DAG	Diacylglycerol
DCTs	Distal convoluted tubules
dL	Deciliter
DMSO	Dimethyl sulfoxide
DNA	Deoxyribonucleic acid
DNP	Dictionary of natural products
DPPH	1,1-Diphenyl-1-picrylhydrazyl radical
DTNB	5,5'-Dithiobis(2-nitrobenzoic acid)
EA	Ethyl acetate
ESI	Electrospray ionization
ESRD	End-stage renal disease
FFAR	Free fatty acid receptor
FRAP	Ferric reducing ability of plasma
FN	Fibronectin
FST	Force swimming tests
FTIR	Fourier transform infrared spectrometer
gm	Gram
GC-MS	Gas chromatography-Mass spectrometry
GPRs	G protein-coupled receptors
GSH	Glutathione
GSK3	Glycogen synthase kinase 3

List of Abbreviations

h/hrs	Hour/ Hours
H₂O₂	Hydrogen peroxide
HDAC	Histone deacetylase
HDL	High-density lipoprotein
HPLC	High-performance liquid chromatography
HSP70	Heat shock protein 70
ICAM-1	Intercellular adhesion molecule-1
IL	Interleukin
i.p	Intraperitoneal
IP3	Inositol triphosphate
JNK	c-Jun N-terminal kinases
KCl	Potassium chloride
Kg	kilogram
L	Liter
LAMP-1	Lysosomal-associated membrane protein 1
LC/MS	Liquid chromatography/mass spectrometry
LD₅₀	Lethal dose by 50%
LDL	Low-density lipoprotein
LMP	Lysosomal membrane permeabilization
LPD	Low-protein diet
M	Moles
m	Meters