



Histological study on the possible protective role of Moringa Oleifera leaves extract on Paracetamol induced liver damage in adult male albino rats

Thesis submitted for the partial fulfillment of Master degree in
Basic Science

Histology and Cell Biology

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2016

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سُبْحَانَكَ لَا يَهْمُنَا
إِلَّا مَا عَلِمْتَ إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

سورة البقرة الآية: ٣٢

Acknowledgment



*First of all I would like to thank **Allah** for allowing and helping me to accomplish this work; only by his will everything can be achieved.*

*I would like to acknowledge the role of the late Professor **Dr. Soaad Mahmoud El Sayed**, Professor of Histology and Cell Biology, Faculty of Medicine, Ain Shams University, may **Allah** bless her soul, for choosing the subject of this thesis. I wished she was here to witness the result of her choice.*

*I particularly would like to express my respectful thanks and profound gratitude to Professor **Dr. Naglaa Medhat Ibrahim Abou-Rabia**, Professor of Histology and Cell Biology, Faculty of Medicine, Ain Shams University for her keen guidance, kind supervision, continuous valuable scientific instructions and consistent encouragement, which made the completion of this work possible. It was such a great honor to work under her guidance.*

*I am also delighted to express my deepest gratitude and gratefulness to Professor **Dr. Gehan Khalaf Megahed Hassan**, Professor of Histology and Cell Biology, Faculty of Medicine, Ain Shams University, for her kind care, continuous supervision, valuable instructions, constant help and encouragement with great patience in every step of this work.*

*I wish to introduce my deep respect, appreciation and thanks to **Dr. Samar Mohamed Fekry Mohamed Ezzat**, Lecturer of Histology and Cell Biology, Faculty of Medicine, Ain Shams University, for her continuous support, kindness, cooperation in this work and for making the practical part easier.*



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List of Abbreviations

€	:	Coefficient Of MDA
ALF	:	Acute Liver Failure
ALP	:	Alkaline Phosphatase
ALT	:	Alanine Transaminase
APAP	:	<i>N</i> -Acetyl <i>p</i> -Aminophenol
AST	:	Aspartate Transaminase
ATP	:	Adenosine Triphosphate
ATPases	:	Adenosine Triphosphatases
CCl ₄	:	Carbon Tetrachloride
CYP2E1	:	A Member Of Cytochrome P450 System
D.W.	:	Distilled Water
DNA	:	Deoxyribonucleic Acid
DPPH	:	2, 2-Diphenyl- 1-Picrylhydrazyl
EM	:	Electron Microscope
FDA	:	US Food And Drug Administration
GSH	:	Glutathione
GSHPx	:	Glutathione Peroxidase Enzyme
GST	:	Glutathione-S- Transferase
H&E	:	Hematoxylin And Eosin Stain
H.S	:	Highly Significant
H ₂ O	:	Water
H ₂ O ₂	:	Hydrogen Peroxide

HCl	:	Hydrochloric Acid
HIO ₄	:	Periodic Acid
HPF	:	High Power Field
HSC	:	Hepatic Stellate Cells
IL	:	Interleukin
KCL	:	Potassium Chloride
LDL	:	Low Density Lipoprotein
M.	:	Moringa
MDA	;	Malondialdehyde
MS	:	Mass Spectrometry
N.S	:	Non Significant
NaOH	:	Sodium Hydroxide
NAPQI	:	<i>N</i> -Acetyl- <i>P</i> -Benzoquinone Imine
O.D	:	Optical Density
O ₂	:	Oxygen
OCOOH	:	Carboxylation
OOH	:	Hydroxylation
P	:	Probability Of Chance
PAS	:	Periodic Acid Schiff's Reaction
rER	:	Rough Endoplasmic Reticulum
ROS	:	Reactive Oxygen Species

S	:	Significant
SecTRAPs	:	Selenium-Compromised Thioredoxin Reductase Derived Apoptotic Proteins
sER	:	Smooth Endoplasmic Reticulum
TBA	:	Thiobarbituric Acid
TCA	:	Trichloroacetic Acid
TEM	:	Transmission Electron Microscope
TNF	:	Tumor necrosis factor
Trx	:	Thioredoxin
TrxR	:	Reduced Thioredoxin Reductase
VLDLs	:	Very Low-Density Lipoproteins

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