

Evaluation of the Effects of Evening Primrose Oil on Gamma Rays-Induced Microscopical, Molecular and Biochemical Changes in Rats

Thesis

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Presented by

Reham Ahmad Aboul-Fetouh Mahmoud

M. Sc. in Zoology (2012)

Pharmacology Unit

Animal Health Research Institute (AHRI), El-dokki
Agricultural Research Centre (ARC)

Supervised by

Prof. Dr. Monir A. El-ganzuri

Emeritus Prof. of Cell Biology

Zoology Department

Faculty of Science

Ain Shams University

Prof. Dr. Sohier S. Korraa

Emeritus Prof. of Molecular Biology

Radiation Health Research Department

National Centre for Radiation

Research and Technology

Atomic Energy Authority

Prof. Dr. Amal Abdel Rahman Zaki

Professor of Pharmacology

Pharmacology Unit

Animal Health Research Institute (AHRI), El-dokki
Agricultural Research Centre (ARC)

Dr. Samah Fekri M. A. Darwish

Assistant Professor of Molecular Biology

Biotechnology Research Unit

Animal Reproduction Research Institute (ARRI)
Agricultural Research Centre (ARC)

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LIST OF ABBREVIATIONS

- ALP: alkaline phosphatase.
- ALT: alanine transaminase.
- ANOVA: analysis of variance.
- AST: aspartate transaminase.
- CAT: catalase.
- cDNA: complementary deoxyribonucleic acid.
- DNA: deoxyribonucleic acid.
- DNPH: 2, 4-dinitrophenylhydrazine.
- EDTA: ethylenediaminetetraacetic acid
- EPO: evening primrose oil.
- GAPDH: glyceraldehyde 3-phosphate dehydrogenase.
- GHCl: guanidine hydrochloride.
- GNC: general nutrition corporation.
- GST- π : glutathione S-transferase- π .
- GST- π* : mRNA of glutathione S-transferase- π .
- GSH: reduced glutathione.
- Gy: Gray.
- IL-1 β : interleukin-1 β .
- IL-1 β* : mRNA of interleukin-1 β .
- LSD: less significant difference.
- MDA: malondialdehyde.

LIST OF ABBREVIATIONS

mRNA: messenger ribonucleic acid.

NCRRT: National Centre for Radiation Research and Technology.

NEDD: N-1-naphthyl ethylenediamine dihydrochloride.

NO: nitric oxide.

NO_x: nitrite /nitrate.

PCR: polymerase chain reaction.

RNS: reactive nitrogen species.

ROS: reactive oxygen species.

SPSS: statistical package for social science.

ssDNA: single-stranded DNA.

TBA: thiobarbituric acid.

TBE: tris borate EDTA buffer.

TCA: trichloroacetic acid.

TNF- α : tumour necrosis factor- α .

TNF- α : mRNA of tumour necrosis factor- α .

VCl₃: vanadium trichloride.

WBC: white blood cell.

WBI: whole body irradiation.

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