

# **Lipid peroxidation and Antioxidant status in cervical carcinoma**

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## Thesis

*Submitted for partial fulfilment  
of Master Degree in Biochemistry*



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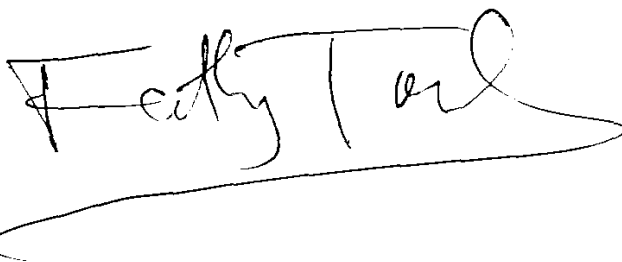




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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ

لَا عِلْمَ لَنَا إِلَّا بِاللَّهِ مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صَلَّى  
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## *Dedicated to*

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## LIST OF ABBREVIATIONS

µg	microgram
µl	microliter
8-O.HdG	8- hydroxy 2 deoxy guanosine
A	Adenine
ADP	Adenosine diphosphate
ATP	Adenosine triphosphate
C	Cytosine
CH <sub>2</sub>	Methylene group
ECF	Extracellular fluid
EDTA	Ethylene diamine tetracetic acid
FIGO	Federation International de Gynecologie et d. Obstetrique
G	Guanine
GSH	Glutathione
GSH-Px	Glutathione peroxidase
GSH-R	Glutathione reductase
GSSG	Glutathione disulfide
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
HIP	Human papilloma virus
HIV	Human immune deficiency virus
HNE	Hydroxynonenal
HOCL	Hypochlorous acid
HSV	Herpes simplex virus
I.N.T.	2-(4-iodophenyl) –30( 4-nitrophenol) –5- phenyl tetrazolium
L	Carbon radical
LO	Lipid alkoxyl
LOO	Lipid peroxy
LOOH	lipid hydroperoxide
LP	Lipid peroxides
MDA	Malondialdehyde
mg	milligram
NADP	Nicotinamide adenine dinucleotide phosphate
nm	nanometer
nmol	nanomole
NO	Nitric oxide
NO <sub>2</sub>	Nitrogen dioxide
O <sub>2</sub>	Superoxide
OH	Hydroxyl free radical
ONOO	Peroxy nitrite

PUFA	Polyunsaturated fatty acid
ROO <sup>•</sup>	Peroxyl radical
ROS	Reactive Oxygen Species
SOD	Superoxide dismutase
T	Thymine
TBA	Thiobarbituric acid
TBARS	Thiobarbituric acid reactive substance
TCA	Trichloroacetic acid
U	unit
Vit C	Vitamin C
Vit E	Vitamin E