

## LIST OF ABBREVIATIONS

Ah	:	Aromatic hydrocarbon
AI	:	Atherogenic index
AIDS	:	Acute Immuno Deficiency Syndrome
ALP	:	Alkaline Phosphatase
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AQ	:	Aqueous
B[a]P	:	Benzo[a]pyrene
BPDE	:	Benzo[a]pyrene-7,8-diol-9,10-epoxide
BSA	:	Bovine Serum Albumin
CAT	:	Catalase
CCl <sub>4</sub>	:	Carbon tetrachloride
CDK	:	Cyclin Dependent Kinase
CDNB	:	1-chloro-2,4-dinitrobenzene
COX-1	:	Cyclooxygenase-2
COX-2	:	Cyclooxygenase-1
CPK	:	Creatine Phospho Kinase
CVD	:	Cardiovascular disease
DLA	:	Dalton's Lymphoma Ascites
DMEM	:	Dulbecco's Modified Eagle Medium
DMSO	:	Dimethyl sulphoxide
DNA	:	Deoxyribonucleic acid
DOX	:	Doxorubicin
DTNB	:	5,5-dithiobis-(2-nitrobenzoic acid)
EAC	:	Erlich's Ascites Carcinoma
ELISA	:	Enzyme Linked Immunosorbant Assay
EtOAc	:	Ethyl acetate
EtOH	:	Ethanol
FeCl <sub>3</sub>	:	Ferric Chloride
FFAs	:	Free fatty acids
FRAP	:	Ferric reducing antioxidant power assay
GC-MS	:	Gas Chromatography- Mass Spectra
GDH	:	Glutamate Dehydrogenase
GLUT	:	Glucose Transporter Protein
GOT	:	Glutamate oxaloacetate transaminase
GPT	:	Glutamate pyruvate transaminase
GSH	:	Reduced glutathione

GST	:	Glutathione <i>S</i> -transferase
GTT	:	Glucose tolerance test
H <sub>2</sub> O <sub>2</sub>	:	Hydrogen peroxide
Hb	:	Haemoglobin
HDLc	:	High density lipoprotein cholesterol
HFD	:	High fat diet
HPLC	:	High Pressure Liquid Chromatography
HPTLC	:	High Performance Thin Layer Chromatography
IC <sub>50</sub>	:	50 % inhibiting concentration
IHD	:	Ischemic heart disease
IR	:	Infra Red
KCl	:	Potassium chloride
LD <sub>50</sub>	:	Lethal dose-50%
LDH	:	Lactate Dehydrogenase
LDLc	:	Low density lipoprotein cholesterol
LPO	:	Lipid peroxidation
LPS	:	Lipo polysaccharide
MDA	:	Malondialdehyde
MDH	:	Malate Dehydrogenase
MeOH	:	Methanol
MFO	:	Mixed function oxidase
MgCl <sub>2</sub>	:	Magnesium chloride
MTT	:	Methyl Thiazol Tetrazolium bromide
NADP	:	Nicotinamide adenine dinucleotide phosphate (disodium)
NADP	:	Nicotinamide adenine dinucleotide phosphate (disodium)
NADPH	:	Reduced nicotinamide adininedinucleotide phosphate
NaN <sub>3</sub>	:	Sodium azide
NBT	:	Nitroblue tetrazolium
NDEA	:	<i>N</i> -nitrosodiethylamine
NF-κB	:	Nuclear factor kappa B
NMR	:	Nuclear Magnetic Resonance
NO <sup>·</sup>	:	Nitric oxide radical
NPDA	:	4-nitro- <i>o</i> -phenylenediamine
NSAIDs	:	Non-steroidal anti-inflammatory drugs
O <sub>2</sub> <sup>-·</sup>	:	Superoxide anion radical
OFR	:	Oxygen free radical
<sup>·</sup> OH	:	Hydroxyl radical

ONOO <sup>-</sup>	:	Peroxynitrite
PAGE	:	Poly Acrylamide Gel Electrophoresis
PAH's	:	Polycyclic aromatic hydrocarbons
pBs	:	p-Blue script
PBS	:	Phosphate buffered saline
PC	:	Protein carbonyl
PGs	:	Prostaglandins
PKC	:	Protein kinase C
PMNs	:	Polymorphonuclear neutrophils
PP cells	:	Polypeptide cells
PP	:	Polyphenols
PT	:	Proximal tubule
RBC	:	Red blood cells
RI	:	Retention Indices
RNA	:	Ribonucleic acid
RNS	:	Reactive nitrogen species
ROI	:	Reactive oxygen intermediate
ROS	:	Reactive oxygen species.
SD	:	Standard Deviation
SDS	:	Sodium dodecyl sulphate
SGOT	:	Serum glutamate oxaloacetate transaminase
SGPT	:	Serum glutamate pyruvate transaminase
SOD	:	Superoxide dismutase
STZ	:	Streptozotocin
TBA	:	Thiobarbituric acid
TBARS	:	Thiobarbituric acid Reactive Substances
TCA	:	Trichloroacetic acid
TG	:	Triglycerides
TLC	:	Thin Layer Chromatography
TNF- $\alpha$	:	Tumor necrosis factor- alpha
VLDLc	:	Very low density lipoprotein cholesterol
WBC	:	White blood cell