



ABBREVIATIONS

HRO ₂ ⁻	-	hydroperoxyl
O ₂ ⁻	-	superoxide
OH	-	hydroxyl
RO ₂	-	peroxyl
5-HT	-	5 Hydroxy tryptamine
ACAT	-	Acyl coenzyme A: cholesterol acyltransferase
Ach	-	Acetyl Choline
AD	-	Atherogenic Diet
ADA	-	American Diabetes Association
Adr	-	adrenaline
AGE	-	advanced glycation end products
ALP	-	Alkaline phosphatase
ALT	-	Alanine AminoTransferase
Ang II	-	angiotensin II
AST	-	aspartate transaminase
BUN	-	blood urea nitrogen
CAT	-	calatase
CCl ₄	-	Carbon Tetrachloride
CHOL	-	Cholesterol
CK-	-	Creatinine kinase
CK-MB	-	Creatinine kinase-MB
COAM	-	Coagulative myocytolysis'
DM	-	Diabetes mellitus
eNOS	-	endothelial nitric oxide synthase
ET ₂ O	-	Diethyl ether
FAD	-	flavin adenine dinucleotide
FFA	-	free fatty acids
FMN	-	flavin mononucleotide
FRD	-	Fructose Rich Diet
GSH	-	Glutathione
h	-	hour
HCD	-	Hypercholesterolemia diet

HDL	-	High Density Lipoprotein
HMG CoA	-	3-hydroxy-3-methyl-glutaryl-CoA
i.p	-	intraperitoneal
IDDM	-	insulin dependent diabetes mellitus
IgAN	-	IgA nephropathy
IL	-	interleukin
Ins	-	Insulin
IR	-	Insulin resistance
IRS	-	Insulin receptor substrate
ISO	-	isoproterenol
Iso P	-	Isoprenaline
i.v	-	intravenous
LCAT	-	lecithin: cholesterol acyltransferase
LDH	-	lactate dehydrogenase
LDL	-	low-density lipoprotein
M	-	Molar
MC	-	<i>Momordica cymbalaria</i>
MD	-	<i>Momordica dioica</i>
MDA	-	malondialdehyde
MLC	-	myosin light chain
MMC	-	methylmercuric chloride
NA	-	Noradrenaline
NIDDM	-	non-insulin dependent diabetes mellitus
NKHS	-	nonketotic hyperosmolar syndrome
NO	-	nitric oxide
O ₂ Z ₂	-	superoxide anion
ONOO	-	peroxynitrite
PhE	-	Phenylephrine
PI3K	-	phosphatidylinositol 3-kinase
RNS	-	Reactive nitrogen species
RONOO	-	Alkyl peroxynitrates
ROS	-	Reactive oxygen species
SRC	-	Standard Rabbit Chow
SRE	-	sterol responsive elements

SREBP	-	sterol regulatory element binding protein
STZ	-	Streptozotocin
T2DM	-	Type 2 diabetes mellitus
TBARS	-	thiobarbituric acid reactants
TG	-	Triglyceride
TNF- α	-	tumor necrosis factor- α
UK	-	United Kingdom
US	-	United states of America
VLDL	-	Very low density lipoprotein