

ABBREVIATIONS

AC	:	Adenylcyclase
ADP	:	Adenosine diphosphate
ALP	:	Alkaline Phosphatase
ALT	:	Alanine Transaminase
AMI	:	Acute myocardial infarction
ANOVA	:	Analysis of variance
ANSA	:	1-Amino 2-naphthol 4-sulphonic acid
Apaf-1	:	Apoptotic protease activating factor-1
ASK-1	:	Apoptosis signal-regulating kinase-1
AST	:	Aspartate Transaminase
ATP	:	Adenosine tri phosphate
ATPase	:	Adenosine triphosphatases
BH ₄	:	Tetrahydrobiopterin
BP	:	Blood pressure
BSA	:	Bovin serum albumin
Ca ²⁺	:	Calcium ion
cAMP	:	Cyclic adenosine mono phosphate
Caspase-3	:	aspartate-specific cysteinyl proteases
CAT	:	catalase
CDNB	:	1-chloro, 2, 4-dinitrobenzene
CES	:	Cholesterol ester synthase
CHD	:	coronary heart disease
CK-MB	:	Creatinephospokinase-MB
Cl	:	Chloride ion
cm	:	Centimeter
CRP	:	C-reactive protein
Cu-TEA	:	Copper nitrate triethanolamine

CVD	:	Cardiovascular diseases
DDC	:	Diethyl dithiocarbamate
DNA	:	Deoxy ribonucleic acid
DPPH	:	1,1-diphenyl-2-picrylhydrazyl
DTNB	:	5, 5'-dithiobis (2-nitro benzoic acid)
ECG	:	Electrocardiography
EDRF	:	Endothelial derived relaxing factor
EDTA	:	Ethylenediaminetetra acetic acid
EDTA	:	Ethylene diamine tetra acetic acid
eNOS	:	Endothelial nitric oxide synthase
FFA	:	Free fatty acids
GPX	:	Glutathione peroxidase
GSH	:	Reduced glutathione
GST	:	Glutathione s-transferase
GT	:	Green tea
H ₂ O ₂	:	Hydrogen peroxide
HCl	:	Hydrochloric acid
HDL	:	High density lipoproteins
HOCl	:	Hypochlorous acid
hr	:	hour
HTAB	:	Hexadecyltrimethyl ammonium bromide
ICAD	:	caspase-activated DNase
ICAM-1	:	Inter cellular adhesion molecule-1
iNOS	:	Inducible nitric oxide synthase
ISO	:	Isoproterenol
IU	:	International units
K ⁺	:	Potassium ion
KCl	:	Potassium chloride
KOH	:	Potassium hydroxide

L	:	Liter
LCAT	:	Lecithin cholesterol acyl transferase
LDH	:	Lactate dehydrogenase
LDL	:	Low density lipoproteins
LEA	:	Lipid extract Aliquots
LOO $\cdot$	:	Lipid peroxy radical
LPL	:	Lipoprotein Lipase
LPO	:	Lipid peroxidation
LSFE	:	<i>Lagenariasiceraria</i> fruit extract
LSFJ	:	<i>Lagenariasiceraria</i> fruit juice
LYP	:	Lycopene
MAPK	:	Mitogen activated protein kinases
MDA	:	Malondialdehyde
mg	:	Milligram
Mg ⁺²	:	Magnesium ion
MgCl ₂	:	Magnesium chloride
MgSO ₄	:	Magnesium sulphate
MI	:	Myocardial infarction
ml	:	Milliliter
MMP	:	Matrix metalloproteinase
MPO	:	Myeloperoxidase
Na ⁺	:	Sodium ion
Na ₂ HPO ₄	:	Disodium hydrogen phosphate
NaCl	:	Sodium chloride
NAD ⁺	:	Nicotinamide adenine dinucleotide
NADH	:	Reduced nicotinamide adenine dinucleotide
NADP ⁺	:	Nicotinamide adenine dinucleotide phosphate
NaH ₂ PO ₄	:	Sodium dihydrogen phosphate
NBT	:	Nitro blue tetrazolium

NED	:	Napthylethylenediaminedihydrochloride
NF-kB	:	Nuclear transcription factor-kappa B
ng	:	nanogram
NO	:	Nitric oxide
NOS	:	Nitric oxide synthase
O ^{o-}	:	Superoxide radical
OH ⁻	:	Hydroxy radical
OONO ⁻	:	Peroxynitrite
p.o	:	Per oral
PARP	:	Poly ADP ribose polymerase
PAS staining	:	Periodic acid Schiff's staining
PBS	:	Phosphate buffer saline
PGFE	:	Pomegranate fruit extract
PJ	:	Pomegranate juice
PL	:	Phospholipids
PPAR α	:	Poly (ADP-ribose)polymerase
RNS	:	Reactive nitrogen species
RO ⁻	:	Alkoxy radical
ROO ⁻	:	Peroxy radical
ROS	:	Reactive oxygen species
rpm	:	Revaluation per minute
s.c	:	Subcutaneous
SACS	:	S-allyl cysteine sulphoxide
SDH	:	Succenate dehydrogenase
SDS	:	Sodium dodecyl sulphate
SEM	:	Standard error of mean
SOD	:	Superoxide dismutase
TC	:	Total cholesterol
TCA	:	Trichloro acetic acid

TG	:	Triglyceride
TNF- α	:	Tumor necrosis factor-alpha
TTC	:	Triphenyltetrazolium chloride
Vit.E	:	Vitamin E
VLDL	:	Very low density lipoproteins
WHO	:	World Health Organization
yr	:	Year
α	:	alpha
β	:	beta
μg	:	microgram
μmol	:	micromoles