

ABBREVIATIONS

^{14}C	:	Carbon-14
^{45}Ca	:	Calcium-45
^{65}Zn	:	Zinc-65
ADP	:	Adenosine 5'-diphosphate
ALP	:	Alkaline phosphatase
ANOVA	:	One-way analysis of variance
APS	:	Ammonium persulphate
ATP	:	Adenosine 5'-triphosphate
b.wt	:	Body weight
BARC	:	Babha Atomic Research Center
BSA	:	Bovine serum albumin
cAMP	:	Adenosine-3', 5' cyclic monophosphate
CAT	:	catalase
CDNB	:	Chloro- 2, 4 dinitrobenzene
CVD	:	Cardiovascular Diseases
DAB	:	Diaminobenzidine
DCF	:	Dichlorofluorescein
DCFH-DA	:	Dichlorofluorescein diacetate

DM	:	Daibetes Mellitus
DTNB	:	5, 5-dithiobis 2-nitrobenzioc acid
DTT	:	Dithiothreitol
EDTA	:	Ethylene diamine tetra acetic acid
EDTA	:	Ethylene diamine tetracetic acid
EGFR	:	Epidermal growth factor receptor
Emg.	:	Electron micrograph
GI	:	Gastro-intestinal
GOD-POD	:	Glucose oxidase-peroxidase
GPx	:	Glutathione peroxidase
GR	:	Glutathione reductase
GSH	:	Glutathione
GSSG	:	Oxidized glutathione
H & E	:	Hematoxylin-eosin
H ₂ O ₂	:	Hydrogen peroxide
Hb	:	Hemoglobin
HDL	:	High density lipo- proteins
i.p.	:	Intraperitoneal
IDDM	:	Insulin dependent diabetes
LDH	:	Lactate-dehydrogenase

LDL	:	Low density lipo- proteins
Lmg.	:	Light micrograph
LPS	:	Lipo-polysaccharide
MDA	:	Malondialdehyde
MHC	:	Major histocompatibility complex
NADH	:	Nicotinamide adenine dinucleotide
NADPH	:	Nicotinamide adenine dinucleotide phosphate
NBT	:	Nitro blue tetrazolium
NF- κ B	:	Nuclear factor kappa B
NIDDM	:	Non insulin-dependent diabetes
PBS	:	Phosphate buffer saline
PG	:	Prostaglandin
PMSF	:	Phenylmethylsulfonyl fluoride
<i>p</i> NA	:	<i>p</i> -nitroanilide
POPOP	:	1,4-bis(5-phenyloxazol-2-yl) benzene
PPO	:	2,5-diphenyloxazole
PVDF	:	Polyvinylidene fluoride
Q	:	Quercetin
RER	:	Rough endoplasmic reticulum
RIA	:	Radio-immunoassay

ROS	:	Reactive oxygen species
rpm	:	Rotations per minute
SD	:	Standard deviation
SOD	:	Superoxide dismutase
Tb	:	Biological half-life
TBA	:	Thiobarbituric acid
TCA	:	Trichloroacetic acid
TEMED	:	Tetramethylethylenediamine
TG	:	Triglycerides
Tris-HCL	:	Tris (hydroxymethyl) aminomethane hydrochloride
UGC	:	University Grants Commission
VEGF	:	Vascular endothelial growth factor
VLDL	:	Very low density lipoproteins
WHO	:	World Health Organisation
Wt	:	Weight