

## *List of Abbreviations*

ACP	Acid Phosphatase
AD	After Decades
AIDS	Acquired Immune Deficiency Syndrome
ALP	Alkaline Phosphatase
ATP	Adenosine Tri Phosphate
ANOVA	Analysis of Variance
BC	Before Christ
CAD	Coronary Artery Disease
CAT	Catalase
CD	Conjugated Di-ene
CDNB	1-Chloro 2,4 Dinitrobenzine
H.A	<i>Holarrhena antidysenterica</i>
°C	Degree Celsius
DKA	Diabetic Ketoacidosis
dl	Decilitre
DMSO	Dimethyl Sulfoxide
DNA	Deoxy Ribonucleic Acid
EDTA	Ethylene Diamine Tetraacetic Acid
ELISA	Enzyme Linked-Immunosorbant Assay
FADD	Flavin Adenine Dinucleotide
FBG	Fasting Blood Glucose
FFA	Free Fatty Acid
g	Gravitational Force
GHb	Glycated hemoglobin
gm	Gram
GOT	Glutamate Oxaloacetate Transaminase
GPT	Glutamate Pyruvate Transaminase

GSH	Reduce Glutathione
GST	Glutathione-S-Transferase
h	Hour
Hb	Hemoglobin
HEPES	N'-2 hydroxyethylpiperazine N'-2 ethanesulphonic Acid
HDL	High Density Lipoprotein
HIV	Human Immunodeficiency Virus
IFG	Impaired Fasting Glucose
IGF-1	Insulin like Growth Factor 1
IPF1	Insulin Promoter Factor 1
IRS-1	Insulin Receptor Substrate 1
IU	International Unit
KRB	Krebs Ringer Buffer
LDL	Low Density Lipoprotein
mg	Milligram
min	Minute
ml	Millilitre
mM	Mill mole
MNU	N-methyl-N-nitrosourea
µg	Micro gram
µl	Micro litre
µM	Micro mole
NAD	Nicotinamide Adenine Dinucleotide
NADP	Nicotinamide Adenine Dinucleotide Phosphate
NIH	National Institute of Health
nm	Nano meter
PBS	Phosphate Buffer Saline
POD	Peroxidase

PTP	Protein Tyrosine Phosphatase
rpm	Revolution Per Minute
RNA	Ribonucleic Acid
ROS	Reactive Oxygen Species
Sec	Second
SEM	Standard Error of Mean
SOD	Superoxide Dismutase
STZ	Streptozotocin
TBARS	Thiobarbituric Acid Reactive Substances
TC	Total Cholesterol
TCA	Trichloroacetic Acid
TG	Triglyceride
TMB	Tetramethyl Benzidine
VLDL	Very Low Density Lipoprotein
WHO	World Health Organization