

List of Abbreviations

Abbreviations

ANOVA - Analysis of variance

AP- *Andrographis paniculata* extract

BSA - Bovine serum albumin

CAT - Catalase

CMC - Carboxymethylcellulose

CNS - Central Nervous System

DM - Diabetes mellitus

EDTA - Ethylenediaminetetraacetate

EIA- Enzyme Immunoassay

EPM - Elevated plus maze test

et al. - And other

GABA - Gamma amino butyric acid

Glib - Glibenclamide

HDL-C - High-density lipoprotein-
cholesterol

HFD - High Fat Diet

i.p. - Intraperitoneal

IL- Interleukin

In vitro - Within artificial
environment

In vivo - Within a living organism

LDL-C - Low-density lipoprotein
cholesterol

LPO - Lipid peroxidation

MDA - Malondialdehyde

NA - Nicotinamide

NIDDM - Non Insulin Dependent
Diabetes Mellitus

NMDA - N-Methyl-D-Aspartate

NPD - Normal Pellet Diet

p.o. - Per oral

ROS - Reactive oxygen species

RPMI - Roswell Park Memorial
Institute medium

SEM - Standard Error of Mean

SOD - Superoxide dismutase

STZ - Streptozotocin

TC - Total Cholesterol

TG - Triglycerides

TNF- α - Tumor necrosis factor-alpha

VLDL - Very-low-density lipoprotein

WS- *Withania somnifera* extract

List of Symbols

Symbols

%	Percentage
±	Plus minus
°C	Degree celsius
µg	Microgram
µl	Microlitre
µm	Micrometre
µM	Micromole
A	Ampere
cm	Centimetre
dl	Decilitre
g	Gram
hr	Hour
Hz	Hertz
IU	International Unit
kg	Kilogram
m	Metre
mg	Milligram
min	Minute
ml	Millilitre
mM	Millimole
nm	Nanometre
sec	Second
β	Beta
W	Watt
×g	Times gravity