

ABBREVIATIONS AND SYMBOLS

© - Copyright	w/v - weight/volume
% - Percentage	β - Beta
° - Degree	GLUT-4 – Glucose transporter-4
g - Gram(s)	T2DM – Type-2 diabetes mellitus
μg – Microgram	PI3K – Phosphatidylinositol-3 kinase
mg – Milligram	IR – Insulin resistance
Kg - Kilogram	ANOVA - Analysis of variance
μl - Microliter	BSA - Bovine serum albumin
mL – Milliliter	H ₂ O ₂ - Hydrogen peroxide
L - Litre	CMC - Carboxy methyl cellulose
μM - Micromolar	PTSD-Post-traumatic stress disorder
mM – Millimolar	HIP - Hippocampus
M - Molar	HYP - Hypothalamus
cm - Centimeter	PFC – Pre-frontal cortex
m - Meter	AMY - Amygdala
sec - Second	GABA – Gamma amino butyric acid
min – Minutes	5-HT - Serotonin
h - Hour	5-HIAA – 5-hydroxy indole acetic acid
b.w. - Body weight	HOMA – Homeostasis model assessment
i.p. - Intraperitoneal	NaCl – Sodium chloride
p.o. - Per oral	MgCl ₂ – Magnesium chloride
KOH - Potassium hydroxide	PBS – Phosphate buffer saline

WHO – World Health Organization	MDA - Malondialdehyde
NIH – National institute of Healthcare	OGTT – Oral glucose tolerance test
TBA - Thiobarbuturic acid	ITT – Insulin tolerance test
TCA - Trichloro acetic acid	ECL – Enhanced chemiluminiscence
NBT - Nitro–blue tetrazolium	TC – Total cholesterol
LPO - Lipid peroxidation	TG - Triglyceride
SOD - Superoxide dismutase	HDL – High density lipoprotein
CAT - Catalase	LDL – Low density lipoprotein
PMS - Phenozone metho sulphate	OF – Open field
CRS- Cold restrain stress	HB – Hole board
EDTA - Ethylene diamine tetraacetic acid	EPM – Elevated plus maze
MMP – Mitochondrial membrane potential	SDH – Succinate dehydrogenase
NO – Nitric oxide	ATP – Adenosin triphosphate