ABBREVIATIONS

AAPCC - American Association of Poison Control Centers
ANOVA - Analysis of variance
AP - Activator protein
ATF - Activation factor
ATP - Adenosine triphosphate
BSA - Bovine serum albumin
C₂H₅OH - Lthanol
CAT - Catalase
CHCl₃ - Chloroform
CNS - Central nervous system
CO₂ - Carbon dioxide
COX - Cyclo-Oxygenases
CPCSFA - Committee for the Purpose of Control and Supervision of Experiments on Animals
DAB - Diaminobenzidine
DDC - Diethyl dithio carbamate
DHHLA - Dihydro lipoic acid
DNA - Deoxyribonucleic acid
DNPH - 2,4-dinitrophenyl hydrazine
DTNB - 55'-dithiobis(2-nitrobenzoic acid)
EDTA - Ethylene diamine tetra acetic acid
LRK - Extra cellular signal regulated kinase
LSR - Electron spin resonance
FD - Folate deficient
HGLU - Formiminoglutamic acid
FLM - Folate deficient treated with lipoic acid and MeOH
FM - Folate deficient treated with MeOH
GLUT - Glucose transporters
GPx - Glutathione Peroxidase
GSH - Reduced glutathione
GSSG - Oxidised glutathione
H₂O - Water
H₂O₂ - Hydrogen peroxide
HCl - Hydrochloric acid
HEI - Health effects Institute
HRP - Horse radish peroxidase
HSDB - Hazardous Substances Data Bank
Hsp - Heat shock protein
IPCS - International programme on chemical safety
JNK - c-Jun N-terminal Kinase
K₂Cr₂O₇ - Potassium dichromate
KOH - Potassium hydroxide
LA - DL-α-Lipoic acid
LD - Lethal dose
LM - Lipoic acid treated with MeOH
LOX - Lipoxygenase
LPO - Lipid peroxidation
M - Mole
MAO - Mono amine oxidase
MAP - Mitogen activated protein
MDA - Malondialdehyde
MeOH - Methanol
MTX - Methotrexate
μM - Micromole
mM - Milli mole
mRNA - Messenger RNA
NADH - Nicotinamide adenine dinucleotide (reduced)
NADPH - Nicotinamide adenine dinucleotide phosphate (reduced)
NaOH - Sodium hydroxide
NBT - Nitroblue tetrazolium
NEM - N-ethyl malemyde
NFkB - Necrosis Factor kappa B
NIDDM - Non-insulin dependent diabetes mellitus
•OH - Hydroxyl radical
CB - Cerebellum
CC - Cerebral cortex
FDD - Folate Deficiency Diet
HP - Hippocampus
HY - Hypothalamus
MB - Mid Brain
O₂⁻ - Superoxide radical
OFR - Oxygen free radicals
ON - Optic Nerve
OPT - o-Phthalaldehyde
pH - Negative logarithm of Hydrogen ion concentration
PM - Pons Medulla
PUFA - Poly unsaturated fatty acid
RBC - Red blood cells
RNA - Ribonucleic acid
ROS - Reactive Oxygen species
RPE - Retinal Pigment Epithelium
RT - Retina
SAPK - Stress Activated Protein Kinase
SEM - Standard Error Mean
SOD - Superoxide Dismutase
TBA - Thiobarbituric Acid
TCA - Trichloro Acetic Acid
TESS - Toxic Exposure Surveillance System
WHO - World health Organisation