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LIST OF ABBREVIATIONS

%	Percent
˚C	Degree Celsius
µM	Micromolar
µg/ml	Microgram per milliliter
A.cepa	*Allium cepa* Linn
AGE	Advance glycation end products
$AlCl_3$	Aluminum chloride
APC	Antigen-presenting cells
AR	Aldose reductase
Ca^{2+}	Calcium ion
CAT	Catalase
CCI	Chronic constriction injury
cm	Centimeter
C.papaya	*Carica papaya* Linn
Cu^{2+}	Copper ion
DI	Deionized
DM	Diabetes mellitus
DN	Diabetic neuropathy
DPPH	2,2-Diphenyl-1-picrylhydrazyl
DTNB	5, 5'-dithiobis-2-nitrobenzoic acid (DTNB)
DTT	Dithiothreitol
EAS	Endogenous antioxidant systems
EC_{50}	Half maximal efficient concentration
EDTA	Ethylenediaminetetraacetic acid
FRAP	Ferric reducing antioxidant power
G	Gram
GAE	Gallic acid equivalent
GPx	Glutathione peroxidase
H&E	Haematoxylin and eosin

LIST OF ABBREVIATIONS (Cont.)

HCL	Hydrogen chloride
HDLC	High density lipoprotein
H_2O_2	Hydrogen peroxide
HPLC	High performance liquid chromatography
HLAs	Human leukocyte antigens
IDDM	Insulin-dependent diabetes mellitus
IGT	Impaired glucose tolerance
IL-12	Interleukin-12
ITF	Intermediate toe spread factor
KCL	Potassium chloride
LD50	Median lethal dose
M.alba	*Morus alba* Linn
MDA	Malondialdehyde
mg	Milligram
$mg.kg^{-1}$ BW	Milligram per kilogram body weight
mM	Millimolar
MHC	Major histocompatibility complex
MW	Molecular weight
Na^+	Sodium ion
NAD+	Nicotinamide adenine dinucleotide
NADPH	Nicotinamide adenine dinucleotide phosphate
NBT	Nitrobluetetrazolium
NCV	Nerve conduction velocity
NIDDM	Noninsulin-dependent diabetes mellitus
NG	the number of cells in the ganglion cell layer
nM	Nanometer
NO	Nitric oxide
NOS	Nitric oxide synthase
OECD	Organization for Economic Co-operation and Development

LIST OF ABBREVIATIONS (Cont.)

ONL	Outer nuclear layer
PBS	Phosphate buffer saline
PL	Print length
PLF	Print length factor
PWC	Purple waxy corn
PWCG	Purple waxy corn and ginger
QE	Quercetin equivalent
RBCs	Red blood cells
ROS	Reactive oxygen species
ROT	Retinal outer nuclear layer thickness
SDH	Sorbital dehydrogenase
SEM	Standard error of mean
SFI	Sciatic function index
SOD	Superoxide dismutase
STZ	Streptozotocin
TBA	Thiobarbituric acid
TBRS	Thiobarbituric acid reacting substances
TCM	Traditional Chinese Medicine
TEP	1,3,3-tetra ethoxy propane
TPTZ	2,4,6-tripyridyls-triazine
TRP	Total retinal thickness
TS	Toe spread
TSF	Toe spread factor
XO	Xanthine oxidase
Z.mays	*Zea mays* Linn. var. *ceratina* Kulesh
Z.officinale	*Zingiber officinale*