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List of Abbreviation

%	Percentage
× g	Times gravity
℃	Degree celcius
µg/ml	Microgram per milliliter
µl	Microliter
µm	Micrometer
2-D PAGE	Two-dimensional polyacrylamide gel electrophoresis
BCA	Bicinchoninic acid
BF	Big type fruits
BHA	Butylhydroxyanisole
BHT	Butylhydroxytoluene
bp	Base pair
cDNA	Complementary DNA
CHCA	α-Cyano-4-hydroxycinnamic acid
Cu	Copper
DFF	DNA fragmentation factor
DMSO	Dimethyl sulfoxide
DNA	Deoxyribonucleic acid
DPPH	1,1-diphenyl-2-picrylhydrazyl
FBS	Foetus bovine serum
g	Gram
GPx	Glutathione peroxidase
GR	Glutathione reductase

GSH	Reduced glutathione
GSSG	Oxidized glutathione
H_2O	Water
H_2O_2	Hydrogen peroxide
H_2SO_4	Sulfuric acid
HEPES	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
IC_{50}	Half maximal inhibitory concentration
IEF	Isoelectric focusing
IL-6	Interleukin-6
K_2SO_4	Potassium sulfate
$KMnO_4$	Potassium permanganate
L	Liter
LC-MS	Liquid chromatography- mass spectrometry
LL	Large type leaves
M	Molar
m/z	Mass-to-charge ratio
MALDI	Matrix assisted laser desorption/ionization
MDA	Malondialdehyde
mg	Milligram
mg/ml	Milligram per milliliter
ML	Medium type leaves
ml	Milliliter
mM	Millimolar
Mn	Manganese

$MnSO_4$	Manganese sulfate
M_r	Molecular weight/ size
mRNA	Messenger ribonucleic acid
MTT	3-[4,5-Dimethylthiazol-2-yl]-2,5-diphenyltetrazolium bromide
mU	Milliunit
NADPH	Reduced β-nicotinamide adenine dinucleotide phosphate
NBT	Nitroblue tetrazolium
nm	Nanometer
O_2	Oxygen
PBS	Phosphate buffer saline
per	For every
pI	Charge
PTM	Post-translationally modified
RNA	Ribonucleic acid
ROS	Reactive oxygen species
RQ	Relative quantification
RT-PCR	Reverse transcriptase polymerase chain reaction
SDS	Sodium dodecyl sulphate
SELDI	Surface-enhanced laser desorption/ionization
SF	Small type fruits
SL	Small type leaves
SOD	Superoxide dismutase
TBA	Thiobarbituric acid
TEMED	Tetramethylethylenediamine

TNFα	Tumor necrosis factor-alpha
TOF	Time of flight
U	Unit
UV	Ultraviolet
Zn	Zinc

List of Appendices