

## LIST OF ABBREVIATIONS

AA	Ascorbic acid
ABA	Abscisic Acid
ABTS	2,2'-azino-bis-3-ethyl benzthiazoline-6-sulphonic acid
AG	Andrographolide
APX	Ascorbate peroxidase
ATP	Adenosine tri phosphate
BSA	Bovine serum albumin
CAT	Catalase
CDNB	1-chloro-2,4-dinitrobenzene
CdSO <sub>4</sub>	Cadmium sulphate
Chl.	Chlorophyll
DAD	Diode array detector
DDAG	14-deoxy-11,12-didehydroandrographolide
DMSO	Dimethylsulfoxide
DNA	Deoxyribonucleic Acid
DNPH	2,4-Dinitrophenylhydrazine
dNTP	Deoxyribonucleotide Triphosphate
DPPH	1,1-diphenyl-2-picrylhydrazyl
DW	Distilled water
EC	Electrical conductivity
EDTA	Ethylenediaminetetraacetic acid
FW	Fresh weight
FYM	Farm yard manure
GAs	Gibberellins
GB	Glycine betaine
GPX	Glutathione peroxidase
GSH	Glutathione
GST	Glutathione-S-transferase
h	Hour
HPLC	High-performance liquid chromatography
IAA	Indole-3-acetic acid
KDa	Kilo Daltons
KI	Potassium iodide
LOD	Limit of detection
LOQ	Limit of quantification
LSD	Least significant difference
MDA	Malondialdehyde
MPa	Mega Pascal
MSI	Membrane stability index
MW	Molecular Weight
NaCl	Sodium chloride
NADH	Nicotinamide adenine dinucleotide
NAG	Neo-andrographolide

NBT	Nitroblue tetrazolium
NMR	Nuclear magnetic resonance
OD	Optical density
PAR	Parabolic aluminized reflector
PCR	Polymerase chain reaction
PDA	Photodiode array detector
PEG	Polyethylene glycol
PMS	Phenazine methosulphate
POD	Peroxidase
ppm	Parts Per Million
PVP	Polyvinylpyrrolidone
RNA	Ribonucleic Acid
ROS	Reactive oxygen species
RP-HPLC	Reverse phase-high performance liquid chromatography
rpm	Revolutions (Or Rotations) per minute
RSD	Relative standard deviation
RWC	Relative water content
SE	Standard error
SOD	Superoxide dismutase
SVI	Seed vigor index
TBA	Thiobarbituric acid
TCA	Trichloroacetic acid
TLC	Thin-layer chromatography
UV	Ultra violet