

LIST OF ABBREVIATIONS AND SYMBOLS

AFLP	Amplified fragment length polymorphism
ANOVA	Analysis of variance
APS	Ammonium per sulphate
Au	Absorbance unit
BSA	Bovine serum albumin
CTAB	Hexadecyl trimethyl ammonium bromide
Da	Dalton
Dia	Diameter
DMSO	Dimethyl sulphonate
DNS	Dintro salicylate
DNA	Deoxyribo nucleic acid
dNTP	Dinucleotide triphosphate
EDTA	Ethylene diamine tetra acetic acid
FeCl ₃	Ferric chloride
gm	Gram
H ₂ O	Water
H ₂ O ₂	Hydrogen peroxide
H ₂ SO ₄	Sulphuric acid
HCl	Hydrochloric acid
HNO ₃	Nitric acid
HPLC	High performance liquid chromatography
HPTLC	High performance thin layer chromatography
Hrs	Hours
KCl	Potassium chloride
KDa	Kilo dalton
KMnO ₄	Potassium permanganate
KOH	Potassium hydroxide
LHCP	Light harvesting chlorophyll protein
M	Molar
mg	Milligram
MgCl ₂	Magnesium chloride
Min	Minutes
ml	Milli litre
mM	Milli molar
MTCC	Microbial type culture collection
MW	Molecular weight
N	Normality
Na ₂ CO ₃	Sodium Carbonate
NaCl	Sodium chloride

NaOH	Sodium hydroxide
ng	Nano gram
NH ₄ OH	Ammonium hydroxide
nm	Nano metre
PAGE	Poly acrylamide gel electrophoresis
PCA	Perchloric acid
PCR	Polymerase chain reaction
PS I	Pigment system one
PS II	Pigment system two
PVP	Polyvinyl pyrrolidone
RAPD	Random amplified polymorphic DNA
RELP	Restriction fragment length polymorphism
Rf	Relative front
RNA	Ribonucleic acid
Rpm	Rotation per minute
SDS	Sodium dodecyl sulphate
SI	Stomatal index
TCA	Trichloro acetic acid
TE	Tris EDTA
TEMED	N,N,N',N'' – tetra methyl ethylene diamine
TLC	Thin layer chromatography
Tris	Tris – hydroxy methyl amino methane
UPGMA	Unweighted pair group method arithmetic means
UV	Ultra violet
V	Volt
v/v	Volume per volume
w/v	Weight per volume
%	Percentage
µg	Microgram
µl	Micro litre
µM	Micro molar
°C	Degree celsius