

## ABBREVIATIONS

$\mu$ m	-	micromole
$\mu$	-	micron
$\beta$	-	beta
$\Delta$ OD	-	change in optical density
ABA	-	abscisic Acid
AA	-	arachidonic acid
ASA	-	acetylsalicylic acid
ATP	-	adenosine tri phosphate
BA	-	benzoic acid
BD	-	benzaldehyde
BHA	-	beta hydroxyl acid
CA	-	cinnamic acid
CA	-	calcium
CCC	-	chloro choline chloride
cm	-	centimeter
cyt	-	cytochrome
CAT	-	catalase
chl	-	chlorophyll
DNA	-	deoxyribonucleic acid
EDTA	-	ethylene diamide tetra-acetic acid
FAD	-	flavin adenine dinucleotide
Fv/Fm	-	yield of photosytem II photochemical reactions.
FALDH	-	formaldehyde dehydrogenase
GPX	-	gaiacol peroxidase
GDH	-	glutamate dehydrogenase
GOGAT	-	glutamate synthase
GTA	-	gentisic acid
GA	-	gallic acid

g	-	gram
H <sub>2</sub> O <sub>2</sub>	-	hydrogen peroxide
h	-	hour
HR	-	hypersensitive reaction
IAA	-	indole acetic acid
JA	-	jasmonic acid
KDC	-	ketoglutarate dehydrogenase complex
K	-	potassium
M	-	molar
ml	-	milliliter
mM	-	milimolar
mg	-	milligram
Mo-	-	molybdenum
Mn	-	manganese
MgSO <sub>4</sub>	-	magnesium sulphate
MDH	-	malate dehydrogenase
MDA	-	malondialdehyde
NR	-	nitrate reductase
NRA	-	nitrate reductase activity
NAA	-	naphthalene acetic acid
NADH	-	nicotinamide adenine dinucleotide
NADPH	-	nicotinamide adenine phosphate dinucleotide
NA	-	nicotinamine
N	-	normality
N	-	nitrogen
NO	-	nitric oxide
OGS	-	oligosaccharide
P	-	phosphorus
PDC	-	pyruvate dedydrogenase complex
%	-	percent
PGR	-	plant growth regulator

$\Phi$ PS II	-	quantum yield of photosystem II electron transport
PS II	-	photosystem II
PR-protein	-	pathogenesis related protein
POX	-	peroxidase
PTS	-	protein inhibitors
Phe	-	phenylalanine
PEP	-	phosphoenol pyruvate
pH	-	hydrogen ion concentration
ppm	-	parts per million
RUBISCO	-	ribulose 1,5 biphosphate carboxylase oxygenase
Res	-	resorcinol
ROS	-	reactive oxygen species
RuBP	-	ribulose 1,5 biphosphate
SNOS	-	s-nitrosothiols
SOD	-	superoxide dismutase
SHAM	-	salicylhydroxamate
SAR	-	systemic acquired resistance
SA	-	salicylic acid
TA	-	tannic acid
TMV	-	tobacco mosaic virus
TNV	-	tobacco necrosis virus
TCA	-	tricarboxylic acid
UV	-	ultraviolet
Wt	-	weight
ZYMC	-	zucchini yellow mosaic virus