

## *Abbreviations*

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$\mu\text{g}$	-	Microgram
$\mu\text{l}$	-	Microlitre
$\mu\text{m}$	-	Micromoles
AOS	-	Active oxygen species
AIRF	-	Advanced Instrumentation Research Facility
APS	-	Ammonium per sulphate
Avr gene	-	Avirulence gene
$\mu\text{g gfw}^{-1}$	-	Microgram per gram fresh weight
BSA	-	Bovine serum albumin
CE	-	Capillary Electrophoresis
cm	-	Centimeter
DDW	-	Double distilled water
DRIE	-	Deep Reactive Ion Etching
EDAS	-	Electrophoresis documentation and analysis system
GAA	-	Glacial acetic acid
GC-MS	-	Gas Chromatography- Mass Spectrometry
Gm	-	Gram
$\text{H}_2\text{O}_2$	-	Hydrogen peroxide
$\text{H}_2\text{SO}_4$	-	Hydrogen Sulfuric acid

HCl	-	Hydrochloric acid
HgCl <sub>2</sub>	-	Mercury (II) Chloride
HPLC	-	High performance liquid Chromatography
HR	-	Hypersensitive response
IMTECH	-	The Institute of Microbial Technology
kDa	-	Kilo Dalton
L	-	Litre
LAR	-	Localized acquired response
MEMS	-	Micro-Electro-Mechanical Systems
MeOH	-	Methanol
MAMPs	-	Microbe-associated molecular patterns
mA	-	Mili Ampere
mg	-	Milligram
min <sup>-1</sup>	-	Per minute
ml	-	Millilitre
NIST	-	National Institute of Standards and Technology
N	-	Normality
PAL	-	Phenylalanine ammonia lyase
PAMPs	-	Pathogen-associated molecular patterns
PCD	-	Programmed cell death
PDA	-	Potato dextrose agar
PDB	-	Potato dextrose broth

PDMS	-	Poly dimethyl siloxane
PMMA	-	Poly (methyl methacrylate)
POD	-	Peroxidase
PPO	-	Polyphenol oxidase
PR proteins	-	Pathogenesis related proteins
PR	-	Photoresists
ROS	-	Reactive oxygen species
R <sub>f</sub>	-	Retention factor
RPM	-	<i>Revolutions per minute</i>
SA	-	Salicylic acid
SAR	-	Systemic acquired response
SDS-PAGE	-	Sodium dodecyl sulphate polyacrylamide gel electrophoresis
TCA	-	Trichloro acetic acid
TMV	-	Tobacco Mosaic Virus
TEME	-	Tris (hydroxyl methyl) amino methane
TLC	-	Thin Layer Chromatography
Var.	-	Variety
w/v	-	weight per volume