

Abbreviations Used

μ l	=	microliter
μ m	=	micrometer
3, 4- DCI	=	3, 4-dichloroisocoumarin
3D	=	Three dimensional
AIDS	=	Acquired immune deficiency syndrome
APS	=	Ammonium Persulfate
ATCC	=	American Type Culture Collection
BLAST	=	Basic Local Alignment Search Tool
bp	=	base pair
BSA	=	bovine serum albumin
Ca	=	Calcium
CAGR	=	Compound annual growth rate
CCD	=	Central composite design
CFU	=	Colony forming units
ClustalW	=	A tool for nucleotide and protein multiple sequence alignment
cm	=	Centimeter
Cys	=	Cysteine
Da	=	Dalton
DAN	=	Diazoacetyl-DL-norleucine methyl ester
DFP	=	Di-isopropyl fluorophosphates
DMSO	=	Dimethyl sulfoxide
DNA	=	Deoxyribonucleic acid
DTT	=	Dithiothreitol
EDTA	=	Ethylenediaminetetraacetic acid
EGTA	=	Ethylene glycol tetraacetic acid
EPNP	=	1, 2-Epoxy-3-(p-nitrophenoxy) propane
EtBr	=	Ethidium bromide
etc	=	et cetera
g	=	gram

Glu	=	Glutamate
GYEA	=	Glucose-yeast extract-asparagine agar
h	=	Hour
HCN	=	Hydrogen cyanide
His	=	Histidine
His-Tag	=	Histidine tagged
IU	=	International unit
Kb	=	Kilo base pair
kDa	=	Kilo Dalton
L	=	Liter
LH RH	=	lutinizing hormone releasing hormone
M	=	Molar
<i>m/z</i>	=	Mass to charge ratio
MALDI/MS	=	Matrix Assisted Laser Desorption Ionization/Mass Spectroscopy
Mb	=	myoglobin
Met	=	Methionine
min	=	Minute
ml	=	milliliter
mM	=	milli mole
MTCC	=	Microbial Type Culture Collection
MW	=	Molecular weight
MEYP	=	Manitol Egg Yolk Polymyxin agar
NCBI	=	National Centre for Biotechnology Information
°C	=	Degree Celsius
OD	=	Optical density
PAGE	=	Poly Acrylamide Gel Electrophoresis
pCMB	=	p-chloromercuribenzoate
PCR	=	Polymerase Chain Reaction
PDB	=	Protein Data Bank
Phe	=	Phenylalanine

pI	=	isoelectric point
PMF	=	Peptide Mass Fingerprinting
PMSF	=	Phenyl methyl sulfonyl fluoride
ppm	=	Part per million
PYEG	=	Peptone-yeast extract-glucose
rpm	=	revolution per minute
RSM	=	Response surface method
REA	=	Relative enzyme activity
SDS	=	Sodium dodecyl sulfate
SDS-PAGE	=	Sodium dodecyl sulphate polyacrylamide gel electrophoresis
Ser	=	Serine
TCA	=	tri-chloro acetic acid
TEMED	=	N, N, N, N-Tetramethylenediamine
Thr	=	Threonine
TLCK	=	Tosyl-L-lysine chloromethyl ketone
U	=	Unit (enzyme)
UV	=	Ultra violet
µg	=	microgram