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**LIST OF ABBREVIATION**

<b>Abbreviation</b>	<b>Full form</b>
mM	mili mole
μM	micro mole
gm	gram
μL	micro litre
min	minute
Sec.	second
nm	nanometre
cm	centimetre
mm	milimetre
ng	Nanogram
°N	degree north
° E	degree east
°C	degree centrigrade
Kb	kilo base
rpm	revolutions per minute
kDa	Kilo dalton
Cd	Cadmium
Cr	Chromium
Ni	Nickel
Zn	Zinc
Co	Cobalt
Pb	Lead
OD	optical density
SD	Standard deviation
DNA	Deoxyribonucleic acid
t-RNA	transfer- ribonucleic acid
PCR	Polymerase chain reaction
LB	Luria Broth
MIC	Minimum Inhibitory Concentration
r DNA	Recombinant DNA
AMC	Amoxyclav
CTX	Cefotaxamine
COT	co -trimoxazole
GEN	Gentamicin
TOB	Vancomycin
CAZ	Ceftazidime
CIP	Ciprofloxacin
AK	Amikacin
NET	Netilmicin

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**LIST OF ABBREVIATION**

<b>Abbreviation</b>	<b>Full form</b>
NA	Nalidaxiac acid
AMP	Ampicillin
P	Penicillin G
S	Streptomycin
TE	Tetracycline
CD	Clindamycin
E	Erythromycin
OX	Oxacillin
VA	Vancomycin
CTR	Ceftriazone
C	Chroramphenical
CIP	Ciprofloxacin
COT	Co- Trimoxazole
TE	Tetracycline
R	Rifampicin
K	Kanamycin
GSH	Glutathione
ROS	Reactive oxygen species
GSSG	Glutathione disulfide
MDA	Malondialdehyde
SOD	Superoxide dismutase
CAT	Catalase
GPx	Glutathione peroxidase
GR	Glutathione reductase
DTT	Dithiothreitol
SDS	Sodium dodecyl sulfate
APS	Ammonium persulfate
TEMED	Tetramethylethylenediamine
BSA	Bovine Serum Albumin
PBS	Phosphate Buffered Saline
NADPH	Nicotinamide adenine dinucleotide phosphate
EDX	Energy-dispersive X ray
FTIR	Fourier transform infrared spectroscopy
TEM	Transmission electron microscopy
AAS	Atomic Absorption Spectroscopy
ICP-OES	Inductively Coupled Plasma Optical Emission Spectrometry

## LIST OF ABBREVIATION

<b>Abbreviation</b>	<b>Full form</b>
MALDI-TOF	Matrix-assisted laser desorption-ionization time-of-flight
2D PAGE	2D Polyacrylamide Gel Electrophoresis
SEM	Scanning Electron Microscope
IEF	Isoelectric Focusing
TFA	Trifluoroacetic acid
LBA	Luria Broth Agar
NCBI	National Centre for Biotechnology Information
BLAST	Basic Local Alignment Search Tool
MSM	methylsulfonylmethane
CHAPS	(3-[(3-Cholamidopropyl)-dimethylammonio]-1-propane sulfonate)
BMIS	Biolog Microbial Identification System