

List of Abbreviations

Abbreviations	Full form
$^1\text{H NMR}$	Proton nuclear magnetic resonance
%	Percentage
$^{\circ}\text{C}$	Degree Celsius
Å	Angstrom
α	Alpha
β	Beta
μg	Micro gram
μl	Microlitre (s)
μM	Micro molar
μm	Micro metre
$\mu\text{g/ml}$	Microgram/millilitre
<i>p</i> -CA	<i>p</i> - coumaric acid
A260	Absorbance at 260nm
ABTS	2,2'-azino-bis-3-ethyl benzthiazoline-6-sulphonicacid
ACE	Atomic Contact Energy
AgNP	Silver Nanoparticle (s)
AgNO_3	Silver Nitrate
AuNP	Gold Nanoparticle (s)
Al	Aluminium
ATCC	American type culture collection
ATPase	Adenosine Triphosphate synthase
BHA	Butylated hydroxy anisole
BHP	Benign prostatic hyperplasia
BHT	Butylated hydroxyl toluene
C	Carbon
CDP	Calcium dependent protease
CDR	Complementarity-determining regions (s)
cm	Centimetre
DAG	1,2-diacylglycerol
DHA	Docosahexaenoic acid

DMSO	Dimethyl Sulfoxide
DMEM	Dulbecco's modified eagle medium
DNA	Deoxyribo nucleic acid
DPPH	2,2-diphenyl-2-picryl hydrazyl hydrate
DM	Dry matter
DW	Dry weight
e. g.	Exempli gratia
EDAX	Energy dispersive x-ray microanalysis
EID	Emerging infectious disease (s)
ELISA	Enzyme-linked immune sorbent assay
EPEC	Enteropathogenic <i>E. coli</i>
EQ	Ethoxyquin
<i>et al</i>	Et alia
FAME	Fatty acid methyl esters
FBS	Foetal bovine serum
FID	Flame ionization detector
FRAP	Ferric ion reducing antioxidant power
FRS	Free radical scavenging activity
FTIR	Fourier Transform Infrared Spectroscopy
g	gram (s)
g/kg	gram/kilogram
GAE	Gallic acid equivalence
GC	Gas chromatography
GC-MS	Gas chromatography-Mass spectroscopy
GPC	Gel permeation chromatography
H ₂ SO ₄	Sulfuric acid
HCT	Human colorectal carcinoma cell line
HMM	Hidden markov models (s)
HPLC	High performance liquid chromatography
Hrs	Hour(s)
HUS	Haemolytic uremic syndrome
i.e.	id est
IE	Infective endocarditis
IC ₅₀	Inhibitory concentration

K	Potassium
kHz	KiloHertz
kg	Kilogram
km	Kilometre
LC-MS	Liquid chromatography-mass spectrometry
LTA	Lipoteichoic acid
mg	Milli gram(s)
min	Minute (s)
mm	Milli meter
mM	Milli Molar
MTCC	Microbial type culture collection
M	Molar
mg	Milli gram (s)
MIC	Minimum inhibitory concentration
MBC	Minimum bactericidal concentration
MRSA	Methicillin-resistant <i>staphylococcus aureus</i>
MAPK	Mitogen-activated protein kinase
ml	Millilitres (s)
mg/ml	Milligram/millilitre
mg/gm	Milligram/gram
mg/kg	Milligram/kilogram
Mol	Mole
MTT	3-(4, 5-dimethylthiazol-2-yl)-2,5-diphenyl tetrasodium bromide
MUFA	Mono unsaturated fatty acids
N	Normal
NaOH	Sodium hydroxide
Na ₂ CO ₃	Sodium carbonate
nm	Nano meter
NMR	Nuclear magnetic resonance
O	Oxygen
OM	Osteomyelitis
PBP	Penicillin binding protein
PCR	Polymerase chain reaction
pH	Negative logarithm of hydrogen ion concentration

PE	Petroleum Ether
PUFA	Poly unsaturated fatty acids
P	Phosphorus
PJI	Prosthetic joint infection
PDB	Protein data bank
PTS	6-Pyrovoyltetrahydroprotein Synthase
PVP	Polyvinylpyrrolidone
PG	Phosphatidylglycerol
QE	Quercetin equivalent
ROS	Reactive oxygen species
RMSD	Root mean square deviation
RPA	Reducing power ability
rpm	Revolutions per minute
SAR	Specific absorption rate
Sec	Second(s)
sp.	Species
spp.	Several species
SPR	Surface plasmon resonance
sq.	Square
SFA	Saturated fatty acids
SNPs	Single Nucleotide polymorphisms
TBHQ	Tert-butylhydroquinone
TE	Trolox equivalents
THP	<i>Termitomyces heimii</i> polysaccharide
TPTZ	2, 4, 6-Tripyridyl-S-Triazine
UV-Vis	Ultra violet visible spectroscopy
UFA	Unsaturated fatty acids
v/v	Volume/volume
v/v/v	Volume/volume/volume
Viz.	Videlicet
w/v	Weight/volume
ZOI	Zone of Inhibition