

# **LIST OF ABBREVIATIONS**

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<b>As</b>	Arsenate
<b>ANOVA</b>	Analysis of variance
<b>ATCC</b>	American Type Culture Collection
<b>Bp</b>	Base pair
<b>CFU</b>	Colony forming unit
<b>Co</b>	Cobalt
<b>Cr</b>	Chromate
<b>Cu</b>	Copper
<b>Cd</b>	Cadmium
<b>CO<sub>2</sub></b>	Carbon dioxide
<b>cm<sup>2</sup></b>	Square centimetre
<b>CDF</b>	Cation diffusion facilitator
<b>CLSI</b>	Clinical Laboratory Standards Institute
<b>CV</b>	Crystal violet
<b>CMC</b>	Carboxy methyl cellulase
<b>CAS. No.</b>	Chemical accession number
<b>° C</b>	Degree centigrade
<b>DNA</b>	Deoxyribonucleic acid
<b>d</b>	Day
<b>DDH</b>	DNA-DNA hybridization
<b>EDTA</b>	Ethylene diamine tetra acetic acid
<b>EPS</b>	Exopolysaccharide

<b>E. coli</b>	<i>Escherichia coli</i>
<b>g</b>	Gram
<b>h</b>	Hour
<b>HPLC</b>	High performance liquid chromatography
<b>Kg</b>	Kilogram
<b>Km</b>	Kilometre
<b>KDa</b>	Kilodalton
<b>KV</b>	Kilovolt
<b>LSD</b>	Lowest significant differences
<b>L</b>	Litre
<b>LB</b>	Lysogeny broth
<b>Pb</b>	Lead
<b>MPa</b>	Megapascal
<b>min</b>	Minute
<b>ml</b>	Millilitre
<b>μL</b>	Microlitre
<b>μg</b>	Microgram
<b>mg</b>	Milligram
<b>μM</b>	Micromole
<b>mM</b>	Millimole
<b>Hg</b>	Mercury
<b>Mn</b>	Manganes
<b>μm</b>	Micrometre
<b>mm</b>	Millimetre
<b>MIC</b>	Minimum inhibitory concentration

<b>M</b>	Molar
<b>ng</b>	Nanogram
<b>NCBI</b>	National Center for Biotechnology Information
<b>Ni</b>	Nickel
<b>nm</b>	Nanometre
<b>OD</b>	Optical density
<b>O<sub>2</sub></b>	Oxygen
<b>%</b>	Percent
<b>PCR</b>	Polymerase chain reaction
<b>psi</b>	Pounds/square inch
<b>PHA</b>	Poly- $\beta$ -hydroxyalkanoate
<b>Pit</b>	Phosphate inorganic transport
<b>Pst</b>	Phosphate specific transport
<b>PBP</b>	Phosphate binding protein
<b>ppm</b>	Part per million
<b>p</b>	Probability
<b>RND</b>	Resistant nodulation cell division
<b>rpm</b>	Round per minute
<b>RNA</b>	Ribonucleic acid
<b>sp.</b>	Species
<b>s</b>	Seconds
<b>SPSS</b>	Statistical Program for Social Science
<b>SDS</b>	Sodium dodecyl sulphate
<b>SE</b>	Standard error
<b>TE</b>	Tris edetate

<b>TAE</b>	Tris acid edetate
<b>TEM</b>	Transmission electron microscopy
<b>USA</b>	United States of America
<b>UV</b>	Ultraviolet
<b>UK</b>	United Kingdom
<b>V/V</b>	Volume/Volume
<b>W/V</b>	Weight/Volume
<b>Zn</b>	Zinc