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LIST OF ABBREVIATIONS AND SYMBOLS

μ	-	specific growth rate
λ	-	wavelength
$(\text{NH}_4)_2\text{SO}_4$	-	ammonium sulphate
Abs	-	absorbance
ADMI	-	American Dye Manufacturers Institute
Al	-	aluminum
APHA	-	American Public Health Association
AWW	-	autoclaved wastewater
BOD	-	biological oxygen demand
C	-	carbon
C.I	-	Colour Index
CaCl_2	-	calcium chloride
Cd	-	cadmium
CDM	-	chemically defined medium
CDW	-	cell dry weight
Cl	-	chloride
Co	-	cobalt
COD	-	chemical oxygen demand
Cr	-	chromium
CrO_4^{2-}	-	chromates
CrO_7^{2-}	-	dichromates
Cu	-	copper

d^{-1}	-	per day
DAF	-	dissolve air floatation
dATP	-	deoxyadenosine 5'-triphosphate
dCTP	-	deoxycytosine 5' triphosphate
DF	-	dilution factor
dGTP	-	deoxyguanosine 5' triphosphate
DNA	-	deoxyribonucleic acid
dNTP	-	deoxynucleotide triphosphate
DO	-	dissolve oxygen
DOE	-	Department of Environment
dTTP	-	deoxythymidine 5'-triphosphate
EDTA	-	ethylene diamine tetra acetic acid
FAD	-	flavin adenine dinucleotide(oxidized)
FADH ₂	-	flavin adenine dinucleotide(reduced)
FeCl ₃	-	ferric chloride
FMN	-	flavin adenine mononucleotide (oxidized)
FMNH ₂	-	flavin adenine mononucleotide (reduced)
FSTW	-	filter sterilized textile wastewater
gL ⁻¹	-	gram per litre
gt	-	generation time
H ⁺	-	hydrogen ion
h ⁻¹	-	per hour
H ₂ S	-	hydrogen sulphide
H ₂ SO ₄	-	acid sulphuric
HCl	-	hydrochloric acid
HNO ₃	-	acid nitric
HPLC	-	high performance liquid chromatography
HRT	-	hydraulic retention time
HSO ₃ ⁻	-	sulphite
IR	-	infrared
K	-	potassium

K_2CrO_4	-	potassium dichromate
K_2HPO_4	-	dipotassium hydrogen phosphate
kb	-	kilobase
KH_2PO_4	-	potassium dihydrogen phosphate
M	-	Molarity
mgL^{-1}	-	milligram per litre
$MgCl_2$	-	magnesium chloride
$MgSO_4 \cdot 7H_2O$	-	magnesium sulphate heptahydrate
MIC	-	minimal inhibitory concentration
MW_r	-	molecular weight relative
N_2	-	nitrogen gas
Na	-	sodium
NaCl	-	sodium chloride
NAD	-	nicotinamide adenine dinucleotide
NAD^+	-	nicotinamide adenine dinucleotide(oxidized)
NADH	-	nicotinamide adenine dinucleotide(reduced)
NADP	-	nicotinamide adenine dinucleotide phosphate
NADPH	-	nicotinamide adenine dinucleotide phosphate(reduced)
NaOH	-	sodium Hydroxide
NB	-	nutrient broth
NH_4Cl	-	ammonium chloride
NH_4NO_3	-	ammonium nitrate
Ni	-	nikel
nm	-	nanometer
NMR	-	nuclear magnetic resonans
NO_3^-	-	nitrate
O_2	-	oxygen gas
OD_{600nm}	-	optical density at 600nm
Pb	-	plumbum
PCR	-	polymerase chain reaction
PHB	-	polyhydroxybutyrate

PO_4^{3-}	-	phosphate
ppm	-	part per million
Pt-Co	-	platinum cobalt
PVC	-	polyvinylchloride
RB15	-	reactive blue 15
RM	-	redox mediator
RNase	-	ribonuclease
rpm	-	rotation per minute
RR195	-	reactive red 195
rRNA	-	ribosomal RNA
S	-	sulphur
SBR	-	sequencing batch reactor
SDS	-	sodium dodecyl sulphate
SEM	-	scanning electron microscope
SFRed	-	sufimix supra red
SO_4^{2-}	-	sulphate
TAE	-	tris-acetate buffer
TCA	-	tricarboxylic acid cycle
td	-	doubling time
T_m	-	melting point
TOC	-	total organic carbon
TON	-	total organic nitrogen
Tris	-	2-hydroxymethyl-2-methyl-1,3-propanediol
TSS	-	total suspended solid
U	-	enzyme unit
UV	-	ultraviolet
UV-vis	-	ultraviolet-visible
v/v	-	volume per volume
w/v	-	weight per volume
Zn	-	zink

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