

List of Symbols and abbreviations

➤ ANOVA	Analysis of variance
➤ bdl	Bellow detection level
➤ BOD	Biological oxygen demand
➤ BSI	British standard institution
➤ °C	Degree celsius
➤ CA	Cluster analysis
➤ cm	Centimeter
➤ COD	Chemical oxygen demand
➤ CPCB	Central pollution control board
➤ Df	Degree of freedom
➤ DNA	Deoxyribo nucleic acid
➤ DO	Dissolved Oxygen
➤ DTGS-TEC	Deuterated triglycine sulphate thermoelectric cool
➤ E₂₄	Emulsion index during 24 h
➤ EDEX	Energy-dispersive X-ray
➤ EPS	Exopolysaccharide
➤ FTIR	Fourier-transform infrared spectroscopy
➤ GPS	Global positioning system
➤ g/cm	Gram per centimeter
➤ Hrs	Hours (time)
➤ ICMR	Indian council of medical research
➤ km	Kilometer
➤ LB	Luria broth
➤ MFT	Membrane filtrate technique
➤ Mg/l	Milligram per liter
➤ MIC	Minimum Inhibitory Concentration
➤ ml	mililiter
➤ MPN	Most potable number
➤ nm	Nanometer
➤ OD	Optical density
➤ PCR	Polymerase chain reaction
➤ PDB	Potato dextrose broth

➤ pH	Potentiality of hydrogen ion concentration
➤ ppm	Parts per million
➤ RMSEE	Root mean square error of estimation
➤ RSD	Residual standard deviation
➤ RSM	Response surface methodology
➤ SEM	Scanning electron microscope
➤ T	Temperature in °C
➤ t	Time
➤ TDS	Total dissolved Solid
➤ TFC	Total faecal coliform
➤ TH	Total hardness
➤ T_i	Tolerance index
➤ TKN	Total kjeldahl nitrogen
➤ TP	Total phosphate
➤ TSS	Total Suspended Solid
➤ UV-Vis	Ultraviolet-Visible
➤ WHO	World health organization