Definition	Abbreviation/Symbol
Adsorption binding energy	b
Adsorption capacity	Q_{max}
Acid yellow 49	AY 49
Analytical research grade	AR-grade
Breakthrough capacity	BTC
Cerium amino tris-(methylene phosphonic acid)	Ce-ATMP
Ceric sulphate	$CeSO_4.5H_2O$
Cation exchange capacity	CEC
Crystal violet	CV
Contact time	t
Correlation coefficient	R^2
Distribution co-efficient	K_d
Degree celsius	^oC
Energy dispersive X-ray	EDX
Ethylene diamine tetra acetic acid	Na_2EDTA
Fractional attainment of equilibrium	U(t)
Fourier transform infrared spectroscopy	FTIR
Final concentration	C_e
Freundlich adsorption capacity	K_f
Gas constant	R
Ionic radii	A^0
Initial concentration	C_0
Ion exchange capacity	IEC
Intraparticle diffusion rate constant	K_{id}
Kelvin	K
Langmuir separation factor	R_L
Modified chelating resin	MCR
Maximum wavelength	λ_{max}
Methylene blue	MB
Malachite green	MG
Maximum adsorption capacity	V_m

Pseudo-first-order rate constant	k_1
Pseudo-second-order rate constant	k_2
Reactive orange 12	RO 12
Rhodamine B	RB
Removal efficiency	% R
Tin amino tris-(methylene phosphonic acid)	Sn-ATMP
Separation factor	α
Stannic chloride	$SnCl_4.5H_2O$
Standard gibbs free energy change	ΔG^0
Standard enthalpy change	ΔH^0
Standard entropy change	ΔS^0
Tetravalent metal acid	TMA
Temperature	T
Volume	V
Wavelength	λ
Weight	W