GLOSSARY OF TERMS

1	AC	:	Activated Carbon
2	Abs	:	Absorbance
3	ABS	:	Activated Sugarcane Bagasse Powder
4	BET	:	Braunner Emmet Teller
5	FAO	:	Food and Agricultural Organization
6	FT-IR	:	Fourier Transform Infrared
7	GAC	:	Granular Activated Carbon
8	ICUMSA	:	International Commission for Uniform Methods of Sugars Analysis
9	IUPAC	:	International Union of Pure and Applied Chemistry
10	H_2SO_4	:	Sulphuric Acid
11	MW	:	Molecular Weight
12	PAC	:	Powdered Activated Carbon
13	SEM	:	Scanning Electron Microscopy
14	UV-VIS	:	Ultraviolet-Visible
15	WHO	:	World Health Organization
16	ΔG	:	Gibbs free energy
17	T	:	Temperature
18	m	:	Molal concentration
19	M	:	Molarity; g L^{-1}
20	H	:	Plank`s constant
21	F	:	Feed flow rate with Co metal concentration
22	V	:	CSTR volume
23	V	:	Metal concentration in permeate
24	X	:	Removal kinetic

25	R	:	X dq/dt
26	Q	:	Amount of metal sorbent at equilibrium (mg/g)
27	C_e	:	Residual metal concentration equilibrium (mg/l)
28	qm	:	Amount of maximum adsorption
29	B	:	Langmuir isotherm constant
30	K	:	Sorption coefficient
31	l/n	:	Constant
32	Q	:	Metal uptake (mg metal /100 mg biosorbent)
33	C_i	:	Initial metal concentration (mg/l)
34	m_b	:	Quantity of biosorbent (mg)
35	V	:	Suspension volume (ml)
36	Q	:	Metal uptake
37	C_i	:	Initial metal concentration
38	C_f	:	Final metal concentration
39	Co	:	(mgL^{-1})is the initial concentration of strontium
40	C_t	:	(mgL^{-1}) is concentration of the strontium in solution at the present culture time
41	W	:	Amount of biomass
42	V	:	Volume of metal solution
43	m	:	Mass of dry biosorbent
44	C_o	:	initial metal concentration (mg/L)
45	C_e	:	Equilibrium metal concentration(mg/L)