

# Biomass Production and Metal Remediation by *Salix alba* L. and *Salix viminalis* L. Irrigated with Greywater Treated by Floating Wetlands

## Supplementary Material

**Table S1.** Chemical formulas of synthetic greywaters (SGW) for low (LC) and high (HC) pollutant concentrations.

Item	Chemical name	Chemical formula	Molar mass (g/mol)	SGW recipe (mg/L)		Composition percentages
				LC	HC	
1	Kaolin	$\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$	258.16	15	100	Al (20.90%), H (1.56%), O (55.78%) and Si (21.76%)
2	Cellulose	$(\text{C}_6\text{H}_{10}\text{O}_5)_n$	162.14	15	100	C (44.45%), H (6.22%) and O (49.34%)
3	Humic acid	$\text{C}_{187}\text{H}_{186}\text{O}_{89}\text{N}_9\text{S}_1$	4015.55	5	20	C (55.90%), H (4.67%), O (35.46%), N (4.67%) and S (0.80%)
4	Sodium chloride	$\text{NaCl}$	58.44	10	120	Cl (60.66%) and Na (39.34%)
5	Sodium hydrogen carbonate	$\text{NaHCO}_3$	84.01	10	85	C (14.30%), H (1.20%), Na (27.37%) and O (57.14%)
6	Calcium chloride	$\text{CaCl}_2$	147.02	10	55	Ca (36.11%) and Cl (63.89%)
7	Potassium nitrate	$\text{KNO}_3$	101.10	0	90	K (38.67%), N (13.85%) and O (47.48%)
8	Calcium nitrate	$\text{Ca}(\text{NO}_3)_2$	164.09	0	150	Ca (24.43%), N (17.07%) and O (58.50%)
9	Magnesium sulphate	$\text{MgSO}_4$	120.37	2	240	Mg (20.19%), S (26.64%) and O (53.17%)
10	Monopotassium phosphate	$\text{KH}_2\text{PO}_4$	136.09	13	85	H (1.48%), K (28.73%), O (47.03%) and P (22.76%)
11	Iron(III)chloride	$\text{FeCl}_3$	162.20	0.3	50.0	Fe (34.43%) and Cl (65.57%)
12	Boric acid	$\text{H}_3\text{BO}_3$	61.83	0.6	3.0	H (4.89%), B (17.48%) and O (77.63%)
13	Manganese(II)chloride	$\text{MnCl}_2$	125.84	0.03	3.20	Cl (56.34%) and Mn (43.66%)
14	Zinc sulphate	$\text{ZnSO}_4$	161.44	0.25	15.00	O (39.64%), S (19.86%) and Zn (40.50%)
15	Copper sulphate	$\text{CuSO}_4$	159.61	0.025	7.00	Cu (39.81%), O (40.10%) and S (20.09%)
16	Ammonium molybdate tetrahydrate	$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}$	1163.94	0.35	0.35	H (2.08%), Mo (57.71%), N (7.22%) and O (32.99%)
17	Cadmium oxide	$\text{CdO}$	128.41	0.02	12.50	Cd (87.54%) and O (12.46%)
18	Nickel oxide	$\text{NiO}$	74.69	0.02	0.06	Ni (78.58%) and O (21.42%)
19	Chromium(III)nitrate	$\text{CrN}_3\text{O}_9$	99.99	0.045	70.00	Cr (21.85%), N (17.65%) and O (60.50%)
20	Sodium sulphate	$\text{Na}_2\text{SO}_4$	142.04	2.60	25.00	Na (32.37%), O (45.06%) and S (22.57%)
21	Sodium phosphate monobasic	$\text{H}_2\text{NaPO}_4$	119.98	0.00	250.00	H (1.68%), Na (19.16%), O (53.34%) and P (25.82%)
22	Lead(II)oxide	$\text{Pb}_3\text{O}_4$	685.60	0.16	1.40	Pb (90.67%) and O (9.33%)

**Note:** Al, aluminium; H, hydrogen; O, oxygen; Si, silicon; C, carbon; N, nitrogen; S, sulphur; Cl, chlorine; Na, sodium; Ca, calcium; K, potassium; Mg, magnesium; P, phosphorus; Fe, iron; B, boron; Mn, manganese; Zn, zinc; Cu, copper; Mo, molybdenum; Cd, Cadmium; Ni, nickel; Cr, chromium; and Pb, lead.