

Table S13. Correlations among the levels of heavy metals and other elements in soil samples

		Correlations														
		Cd	Cr	Cu	Ni	Pb	Zn	Al	Fe	K	Na	Mg	Mn	P	S	Ti
Cd	r	1	-0.256	-0.486	-.628*	0.241	0.276	-.591*	-.668*	-.637*	-0.118	-.644*	-.619*	-.671*	-0.408	-.655*
	p		0.398	0.092	0.021	0.428	0.362	0.033	0.013	0.019	0.700	0.018	0.024	0.012	0.167	0.015
Cr	r		1	-0.114	0.239	-0.313	-0.230	0.133	0.164	0.192	-.621*	0.021	0.188	0.148	-0.062	0.176
	p			0.712	0.432	0.298	0.449	0.665	0.592	0.530	0.023	0.946	0.539	0.629	0.840	0.566
Cu	r			1	.824**	-.643*	-.694**	.788**	.836**	.722**	0.296	.924**	.798**	.748**	0.056	.833**
	p				0.001	0.018	0.009	0.001	0.000	0.005	0.326	0.000	0.001	0.003	0.856	0.000
Ni	r				1	-.768**	-0.539	.953**	.977**	.941**	-0.108	.939**	.943**	.852**	0.114	.946**
	p					0.002	0.058	0.000	0.000	0.000	0.725	0.000	0.000	0.000	0.710	0.000
Pb	r					1	0.344	-.777**	-.777**	-.767**	0.005	-.709**	-.722**	-.772**	-0.199	-.734**
	p						0.250	0.002	0.002	0.002	0.987	0.007	0.005	0.002	0.515	0.004
Zn	r						1	-0.466	-0.532	-0.397	0.043	-0.551	-.624*	-0.319	0.306	-.558*
	p							0.109	0.061	0.180	0.888	0.051	0.023	0.288	0.310	0.048
Al	r							1	.964**	.980**	-0.048	.938**	.965**	.865**	0.117	.960**
	p								0.000	0.000	0.876	0.000	0.000	0.000	0.702	0.000
Fe	r								1	.957**	0.046	.948**	.966**	.867**	0.178	.945**
	p									0.000	0.882	0.000	0.000	0.000	0.561	0.000
K	r									1	-0.100	.918**	.951**	.887**	0.199	.954**
	p										0.746	0.000	0.000	0.000	0.514	0.000
Na	r										1	0.110	-0.066	0.060	0.254	-0.072
	p											0.721	0.831	0.847	0.402	0.816
Mg	r											1	.921**	.875**	0.142	.954**
	p												0.000	0.000	0.643	0.000
Mn	r												1	.819**	0.081	.945**
	p													0.001	0.794	0.000
P	r													1	0.515	.899**
	p														0.072	0.000
S	r														1	0.197
	p															0.519
Ti	r															1
	p															

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

p shows the statistical significancy of the correlations among the studied parameters