

Table S17. Correlations among the levels of heavy metals and other elements in soil and stem samples

		Correlations														
		St-Cd	St-Cr	St-Cu	St-Ni	St-Pb	St-Zn	St-Al	St-Fe	St-K	St-Na	St-Mg	St-Mn	St-P	St-S	St-Ti
S-Cd	r	0.143	0.327	0.272	-0.189	0.306	.593*	-0.499	-0.360	0.004	-0.313	-0.211	0.337	0.046	-0.269	-0.520
	p	0.641	0.275	0.369	0.536	0.309	0.033	0.083	0.227	0.989	0.298	0.489	0.260	0.882	0.374	0.069
S-Cr	r	-0.288	0.091	-0.141	0.384	-0.222	-0.310	-0.012	.655*	0.191	-0.276	-0.424	-0.124	-0.003	0.318	0.090
	p	0.340	0.767	0.645	0.196	0.465	0.303	0.969	0.015	0.532	0.361	0.149	0.686	0.991	0.289	0.769
S-Cu	r	-0.531	-0.519	0.230	-0.097	-.554*	-.652*	.557*	0.227	0.411	.573*	.627*	0.177	0.325	0.161	.697**
	p	0.062	0.069	0.451	0.751	0.050	0.016	0.048	0.455	0.163	0.041	0.022	0.563	0.278	0.600	0.008
S-Ni	r	-.608*	-0.333	0.083	0.156	-.567*	-.709**	0.476	0.513	0.379	0.334	0.395	0.029	0.305	0.099	.785**
	p	0.027	0.266	0.788	0.612	0.043	0.007	0.100	0.073	0.201	0.265	0.181	0.924	0.310	0.749	0.001
S-Pb	r	.920**	0.085	0.073	-0.187	0.543	.656*	-.603*	-0.474	-0.388	-0.477	-0.465	0.015	-0.299	-0.413	-.622*
	p	0.000	0.783	0.812	0.540	0.055	0.015	0.029	0.102	0.190	0.100	0.109	0.961	0.321	0.161	0.023
S-Zn	r	0.246	.587*	-0.513	0.228	0.459	0.380	-0.099	-0.147	-.588*	-0.191	-0.253	-0.465	-0.523	-0.023	-0.339
	p	0.418	0.035	0.073	0.454	0.115	0.200	0.748	0.631	0.035	0.533	0.405	0.109	0.067	0.939	0.257
S-Al	r	-.604*	-0.289	0.051	0.125	-0.548	-.661*	0.520	0.468	0.326	0.375	0.490	0.012	0.357	0.040	.706**
	p	0.029	0.338	0.868	0.683	0.053	0.014	0.068	0.107	0.278	0.206	0.089	0.968	0.231	0.896	0.007
S-Fe	r	-.632*	-0.340	0.017	0.143	-0.546	-.701**	.554*	0.388	0.357	0.450	0.503	-0.014	0.314	0.148	.795**
	p	0.020	0.256	0.956	0.642	0.054	0.008	0.049	0.190	0.231	0.123	0.079	0.964	0.297	0.629	0.001
S-K	r	-.615*	-0.311	0.044	0.147	-.562*	-.643*	0.486	0.492	0.369	0.311	0.395	0.019	0.355	0.084	.735**
	p	0.025	0.301	0.887	0.632	0.046	0.018	0.092	0.088	0.215	0.302	0.182	0.952	0.233	0.786	0.004
S-Na	r	-0.097	-0.026	-0.335	-0.107	0.136	-0.045	0.519	-.603*	-0.256	.753**	.669*	-0.295	-0.221	0.294	0.111
	p	0.752	0.934	0.263	0.727	0.659	0.884	0.069	0.029	0.398	0.003	0.012	0.329	0.467	0.329	0.718
S-Mg	r	-.561*	-0.451	0.121	0.074	-.592*	-.718**	.566*	0.403	0.369	0.459	0.533	0.070	0.298	0.108	.789**
	p	0.046	0.122	0.694	0.809	0.033	0.006	0.044	0.172	0.215	0.115	0.061	0.819	0.323	0.725	0.001
S-Mn	r	-.556*	-0.417	0.148	0.080	-.610*	-.672*	0.469	0.409	0.418	0.368	0.478	0.126	0.463	0.038	.729**
	p	0.049	0.156	0.630	0.794	0.027	0.012	0.106	0.165	0.155	0.216	0.098	0.683	0.111	0.901	0.005
S-P	r	-.665*	-0.426	-0.008	-0.022	-.667*	-.748**	.681*	.563*	0.354	0.497	0.462	-0.001	0.366	0.414	.679*
	p	0.013	0.147	0.980	0.942	0.013	0.003	0.010	0.045	0.235	0.084	0.112	0.998	0.219	0.160	0.011
S-S	r	-0.154	-0.160	-0.334	-0.147	-0.125	-0.340	0.474	0.109	-0.086	0.374	0.173	-0.258	0.019	.639*	0.101
	p	0.615	0.602	0.265	0.633	0.684	0.255	0.101	0.722	0.780	0.208	0.572	0.394	0.951	0.019	0.741
S-Ti	r	-0.542	-0.407	0.148	-0.013	-0.551	-.693**	0.492	0.522	0.407	0.340	0.410	0.084	0.394	0.110	.649*
	p	0.056	0.167	0.630	0.968	0.051	0.009	0.087	0.068	0.167	0.256	0.164	0.786	0.183	0.720	0.016

** . 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