

Online Resource 5

Table S5^a. Correlation Analysis: Elemental concentration in Upper Pote Riverbank garden vegetables (V) and garden soils (S), and Upper Pote River water (W) used for irrigation.

Correlations: [As]V, [As]w, [As]S, [Co]V, [Co]w, [Co]S, [Cd]V, [Cd]S, ...									
	[As]V	[As]w	[As]S	[Co]V	[Co]w	[Co]S	[Cd]V	[Cd]S	[Cr]V
[As]w	0.232 0.707								
[As]S	-0.760 0.136	0.225 0.716							
[Co]V	0.950 0.014	0.274 0.655	-0.584 0.301						
[Co]w	-0.408 0.496	-0.758 0.138	-0.274 0.656	-0.545 0.342					
[Co]S	0.114 0.855	0.622 0.263	0.435 0.464	0.383 0.524	-0.739 0.153				
[Cd]V	-0.470 0.424	0.126 0.840	0.881 0.048	-0.222 0.720	-0.473 0.421	0.598 0.287			
[Cd]S	-0.413 0.489	0.196 0.752	0.837 0.077	-0.263 0.669	-0.541 0.346	0.375 0.534	0.908 0.033		
[Cr]V	-0.666 0.334	-0.305 0.695	0.353 0.647	-0.491 0.509	0.688 0.312	0.030 0.970	-0.395 0.605	-0.949 0.051	
[Cr]S	-0.500 0.391	0.133 0.831	0.312 0.610	-0.695 0.192	0.174 0.780	-0.514 0.376	-0.062 0.922	0.257 0.676	-0.190 0.810
[Cu]V	0.055 0.930	0.406 0.497	0.092 0.883	0.249 0.686	-0.183 0.768	0.737 0.155	0.098 0.875	-0.253 0.681	0.582 0.418
[Cu]S	0.006 0.992	-0.906 0.034	-0.535 0.353	-0.156 0.802	0.790 0.112	-0.848 0.070	-0.492 0.400	-0.441 0.457	0.142 0.858
[Fe]W	-0.796 0.107	-0.315 0.606	0.289 0.637	-0.823 0.087	0.751 0.143	-0.291 0.635	-0.071 0.910	-0.216 0.727	0.860 0.140
[Mg]V	0.564 0.322	-0.667 0.219	-0.750 0.144	0.517 0.372	0.319 0.601	-0.365 0.546	-0.428 0.472	-0.486 0.407	-0.103 0.897
[Mg]W	-0.654 0.231	-0.504 0.387	0.029 0.963	-0.745 0.149	0.911 0.031	-0.523 0.365	-0.297 0.627	-0.407 0.497	0.821 0.179
[Mg]S	0.537 0.351	0.456 0.440	0.056 0.929	0.587 0.298	-0.874 0.053	0.373 0.537	0.335 0.582	0.532 0.356	-0.938 0.062
[Hg]V	1.000 *	-1.000 *	-1.000 *	1.000 *	-1.000 *	1.000 *	1.000 *	-1.000 *	* *
[Hg]S	-0.047 0.953	-0.953 0.047	-0.685 0.315	-0.052 0.948	0.564 0.436	-0.579 0.421	-0.123 0.877	-0.157 0.843	0.059 0.941
[Mn]W	-0.216 0.727	0.134 0.830	-0.116 0.852	-0.225 0.716	0.442 0.457	0.072 0.909	-0.398 0.507	-0.631 0.254	0.884 0.116

	0.731	0.707	0.658	0.205	0.947	0.258	0.234	*	0.455
[Ni]S	0.712 0.177	-0.886 0.045	0.109 0.862	-0.294 0.631	-0.184 0.766	-0.267 0.664	0.504 0.387	-1.000 *	0.099 0.901
[Pb]V	0.268 0.663	-0.855 0.065	0.569 0.317	-0.512 0.378	0.521 0.368	-0.283 0.645	0.416 0.486	-1.000 *	0.467 0.533
[Pb]W	-0.580 0.306	0.315 0.606	0.418 0.484	0.427 0.473	0.439 0.460	0.459 0.437	-0.560 0.326	1.000 *	0.660 0.340
[Pb]S	-0.057 0.927	-0.020 0.974	0.730 0.162	0.448 0.449	0.526 0.363	0.672 0.214	-0.719 0.171	-1.000 *	0.578 0.422
[Sb]V	-0.820 0.089	0.612 0.273	-0.168 0.787	-0.459 0.437	0.459 0.437	-0.405 0.499	0.174 0.780	1.000 *	-0.152 0.848
[Sb]W	-0.108 0.863	0.800 0.104	-0.782 0.118	0.101 0.871	-0.575 0.310	-0.078 0.901	-0.065 0.917	-1.000 *	-0.898 0.102
[Sb]S	0.430 0.470	-0.848 0.069	0.344 0.571	-0.554 0.332	0.276 0.653	-0.382 0.526	0.538 0.350	-1.000 *	0.190 0.810
[Zn]V	-0.774 0.125	0.138 0.825	0.094 0.881	-0.773 0.126	0.730 0.161	-0.642 0.243	0.493 0.399	1.000 *	0.262 0.738
[Zn]W	0.035 0.956	0.049 0.937	-0.299 0.625	0.210 0.735	-0.416 0.486	0.004 0.994	0.056 0.929	1.000 *	0.607 0.393
[Zn]S	-0.223 0.718	0.434 0.465	0.183 0.768	0.241 0.697	0.258 0.675	0.364 0.547	-0.509 0.381	1.000 *	-0.407 0.593
[Ni]V	[Mn]W 0.278 0.650	[Ni]V	[Ni]S	[Pb]V	[Pb]W	[Pb]S	[Sb]V	[Sb]W	[Sb]S
[Ni]S	-0.753 0.142	-0.374 0.535							
[Pb]V	-0.652 0.233	-0.540 0.347	0.671 0.215						
[Pb]W	0.245 0.691	0.890 0.043	-0.577 0.308	-0.398 0.507					
[Pb]S	0.541 0.346	0.150 0.810	-0.388 0.519	0.185 0.766	0.322 0.598				
[Sb]V	0.244 0.693	-0.288 0.638	-0.686 0.201	-0.123 0.844	0.110 0.860	0.184 0.767			
[Sb]W	0.654 0.232	-0.243 0.694	-0.531 0.357	-0.666 0.220	-0.289 0.637	-0.144 0.817	0.429 0.471		
[Sb]S	-0.669 0.217	-0.693 0.195	0.787 0.114	0.959 0.010	-0.630 0.254	0.005 0.993	-0.198 0.749	-0.510 0.381	
[Zn]V	-0.299 0.625	-0.368 0.542	-0.272 0.658	0.328 0.589	0.074 0.905	0.049 0.937	0.832 0.080	-0.073 0.907	0.215 0.728
[Zn]W	-0.267 0.664	0.628 0.257	0.158 0.800	-0.465 0.430	0.363 0.549	-0.657 0.228	-0.509 0.381	-0.160 0.797	-0.430 0.470

[Zn]S	0.761	-0.178	-0.647	-0.099	0.035	0.786	0.580	0.452	-0.171
	0.135	0.774	0.238	0.874	0.955	0.115	0.305	0.444	0.783

	[Zn]V	[Zn]W
[Zn]W	-0.423	
	0.479	

[Zn]S	0.216	-0.807
	0.727	0.099

Cell Contents: Pearson correlation
P-Value

* NOTE * All values in column are identical.

^aData based on Tables 1 - 3; V = vegetables, w = water, S = soil