



Supplementary Table 1. Result of Generalized Linear Model (GLZ) of elemental concentration of tree leaves.

Elements		Areas (Industry, Urban and Rural)	Tree Species
Al	LogLikelihood	−219.558	−205.565
	p	0.006	<0.001
	Chi ²	10.295	27.988
Ba	LogLikelihood	−113.926	−103.181
	p	<0.001	<0.001
	Chi ²	18.136	21.49
Ca	LogLikelihood	−393.405	−375.591
	p	0.221	<0.001
	Chi ²	3.023	35.629
Cr	LogLikelihood	−41.005	−29.523
	p	0.022	<0.001
	Chi ²	7.665	22.963
Cu	LogLikelihood	−98.713	−66.149
	p	0.276	<0.001
	Chi ²	2.577	65.127
Fe	LogLikelihood	−215.215	−204.805
	p	0.003	<0.001
	Chi ²	11.896	20.82
Mg	LogLikelihood	−311.848	−302.595
	p	0.274	<0.001
	Chi ²	2.586	18.506
Mn	LogLikelihood	−204.238	−198.77
	p	0.564	0.004
	Chi ²	1.144	10.936
Na	LogLikelihood	−269.918	−264.514
	p	0.092	0.004
	Chi ²	4.764	10.808
Ni	LogLikelihood	−14.878	−9.054
	p	0.441	0.003
	Chi ²	1.639	11.648
Pb	LogLikelihood	−22.286	−16.6
	p	0.645	0.003
	Chi ²	0.878	11.37
Zn	LogLikelihood	−128.179	−123.224
	p	0.195	0.007
	Chi ²	3.269	9.91

Supplementary Table 2. Result of Generalized Linear Model (GLZ) of parameters of soil.

Parameters		Area (Urban, Rural, Industrial)
Al	Wald Stat	2.955
	p	0.418
Ba	Wald Stat	7.012
	p	0.03
Ca	Wald Stat	2.148
	p	0.342
Cr	Wald Stat	8.083
	p	0.018
Cu	Wald Stat	2.775
	p	0.249
Fe	Wald Stat	7.015
	p	0.029
K	Wald Stat	8.409
	p	0.014
Mg	Wald Stat	10.441

	P	0.005
Mn	Wald Stat	5.438
	p	0.065
Na	Wald Stat	8.361
	p	0.015
Ni	Wald Stat	9.076
	p	0.01
Pb	Wald Stat	5.423
	p	0.066
Zn	Wald Stat	0.583
	p	0.747
humus, %	Wald Stat	0.505
	p	0.777
stability coefficient of humus	Wald Stat	0.148
	p	0.927