

Supplementary Materials

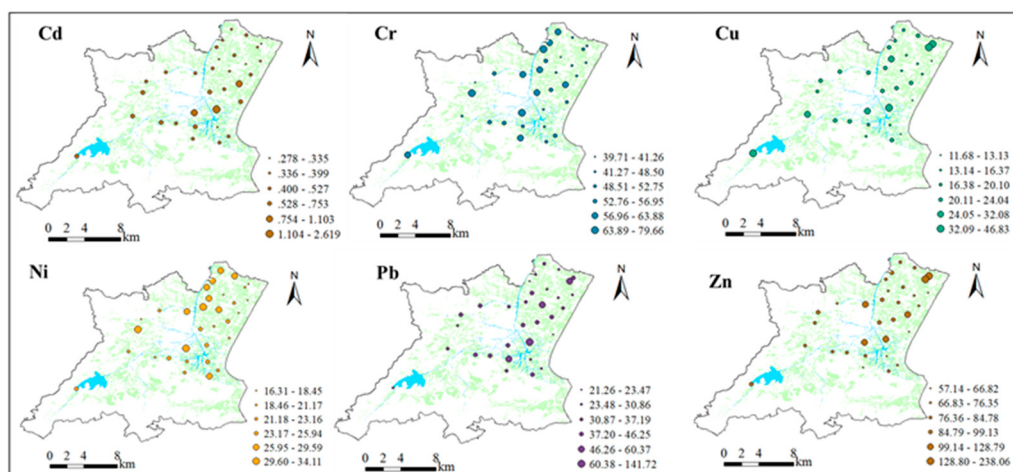


Figure S1. The distribution of heavy metal concentration in the study area.

Table S1. Operating parameters for ICP-MS (ELAN 9000, PerkinElmer SCIEX) for the determination of elemental concentrations.

Parameter	Value	Parameter	Value
Nebulizer gas flow (L min ⁻¹)	0.94	RF power (W)	1100
Analog stage voltage (V)	-1700	Lens voltage (V)	6
Pulse stage voltage (V)	900	Ac rod offset (V)	-6
Discriminator threshold (V)	70	Scan mode	Peak hopping
Speed of peristaltic pump (rpm)	26	Detector	Pulse
Sweeps/Reading	50	Replicates	2
Sampler/Skimmer cones	Nickel	Dwell Time (ms)	2.5
Spray chamber	Ryton® Double-pass Scott-type spray chamber		
Nebulizer	Gem-tip Cross-Flow pneumatic nebulizer		