

Appendix

Table S1. Indices of pollution assessment for studied potentially toxic elements.

Contamination Factor ^a		Modified degree of Contamination ^b		Degree of Ecological Risk of Each Element ^c		Potential Ecological Risk Index ^c		Enrichment Factor ^d	
C _f ⁱ value	Category	mC _d value	Degree	E _r ⁱ value	Degree	PERI Value	Degree	EF Value	Enrichment Category
C _f ⁱ < 1	Low	< 1.5	Nil to very low	E _r ⁱ < 40	Low risk	< 65	Low risk	EF < 2	Minimal enrichment
1 ≤ C _f ⁱ < 3	Moderate	1.5 ≤ mC _d < 2	Low	40 ≤ E _r ⁱ < 80	Moderate risk	65 ≤ PERI < 130	Moderate risk	2 ≤ EF < 5	Moderate enrichment
3 ≤ C _f ⁱ < 6	Considerable	2 ≤ mC _d < 4	Moderate	80 ≤ E _r ⁱ < 160	Considerable risk	130 ≤ PERI < 260	Considerable risk	5 ≤ EF < 20	Significant enrichment
C _f ⁱ ≥ 6	Very high	4 ≤ mC _d < 8	High	160 ≤ E _r ⁱ < 320	High risk	PERI ≥ 260	Very high risk	20 ≤ EF < 40	Very high enrichment
		8 ≤ mC _d < 16	Very high	E _r ⁱ ≥ 320	Very high risk			EF ≥ 40	Extremely high enrichment
		16 ≤ mC _d < 32	Extremely high						
		mC _d ≥ 32	Ultra-high						

^a Contamination factor [1,2]. ^b Modified degree of contamination [3]. ^c Degree of ecological risk of each element and Potential ecological risk index [4,5]. ^d Enrichment factor [6].

References

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