

S1 Table. Soil chemical properties at different soil depths and study sites.

Sites	Depth (cm)	Pb concentration		Zn concentration	
		TPb	DPb	TZn	DZn
S1	0-10	69.6±13.4a	3.42±0.68a	156±43.7a	15.1±3.95a
	10-20	55.8±8.29b	3.05±0.20a	127±35.1a	13.6±1.66a
	20-30	35.4±8.10bc	1.66±0.18b	116±25.1a	11.6±1.31a
	30-40	47.0±10.7c	2.03±0.27b	134±20.1a	12.7±1.62a
S2	0-10	263±62.4ab	12.6±1.21b	340±70.5ab	39.9±4.95b
	10-20	297±62.0a	14.7±1.97a	392±65.7a	50.5±7.55a
	20-30	234±56.4bc	8.95±1.61c	275±44.2b	30.3±7.44c
	30-40	150±33.6c	6.63±0.72d	293±34.3b	26.3±4.29c
S3	0-10	450±80.0a	24.0±2.08a	658±111a	72.9±5.13ab
	10-20	466±126a	22.1±2.77a	608±101a	76.4±13.4a
	20-30	216±30.6b	8.85±1.49b	668±101a	72.6±9.37ab
	30-40	234±51.1b	8.78±1.22b	626±35.4a	60.4±7.49b
S4	0-10	2338±340a	129±16.1a	265±44.9a	31.5±2.49ab
	10-20	2395±643a	144±16.7a	309±42.8a	33.5±6.09a
	20-30	1893±323a	107±27.5b	250±55.8a	28.2±4.23ab
	30-40	1339±455b	66.2±9.65c	249±58.1a	24.6±6.06b
S5	0-10	5319±449a	380±51.6a	311±79.5a	41.7±4.47ab
	10-20	5636±653a	362±41.5a	338±67.2a	49.0±8.99a
	20-30	3934±790b	267±27.8b	299±61.7a	40.1±5.80b
	30-40	2915±233c	178±16.3c	195±68.3b	24.9±3.27c

SOM, soil organic matter; SOC, soil organic carbon; TN, total nitrogen; TP, total phosphorus. Each value is the mean ± SD (n = 6). Different letters indicate statistically significant differences (one-way ANOVA followed by SNK test, $P < 0.05$) at four soil depths (0-10, 10-20, 20-30, 30-40 cm).