

Supplementary Materials: Bioaccumulation and Phytotoxicity and Human Health Risk from Microcystin-LR under Various Treatments: A Pot Study

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Table S1. Pearson's correlation coefficients among MC-LR concentration, MDA contents and biomass of *Ipomoea batatas* L. ($n = 12$).

	RC ^a	SC	LC	RM	SM	LM	MR	PH	TW	AW
RC	-	0.548 ^{*,b}	0.161	0.118	0.476	0.700 [*]	-0.566 [*]	-0.803 ^{**}	-0.147	-0.098
SC	-	-	0.367	0.104	0.858 ^{**}	0.833 ^{**}	-0.889 ^{**}	-0.672 [*]	-0.538 [*]	-0.501
LC	-	-	-	0.421	0.457	0.617 [*]	-0.305	0.058	0.231	0.175
RM	-	-	-	-	0.478	0.276	-0.106	-0.125	0.441	0.401
SM	-	-	-	-	-	0.787 ^{**}	-0.888 ^{**}	-0.563	-0.306	-0.343
LM	-	-	-	-	-	-	-0.767 ^{**}	-0.584 [*]	-0.265	-0.266

^a RC, SC, LC indicate MC-LR concentration in root, stem, and leaf, respectively; RM, SM, and LM indicate MDA contents in root, and stem, and leaf, respectively; MR, PH, TW, and AW indicate main root length, plant height, total weight, and aerial part weight, respectively. ^b "*" and "**" indicate $p < 0.05$ and $p < 0.01$, respectively.

Table S2. Pearson's correlation coefficients among MC-LR concentration, MDA contents and biomass of *Brassica juncea* L. ($n = 12$).

	RC ^a	SC	LC	RM	SM	LM	MR	PH	TW	AW
RC	-	0.829 ^{*,b}	0.558 [*]	-0.661 [*]	0.054	0.519 [*]	-0.520	-0.645 ^{**}	-0.663 [*]	-0.768 ^{**}
SC	-	-	0.284	-0.310	0.078	0.396 ^{**}	-0.342	-0.381	-0.316	-0.648 [*]
LC	-	-	-	-0.311	0.134	0.413	-0.297	0.517	-0.672 [*]	0.539 [*]
RM	-	-	-	-	0.199	-0.175	-0.048	0.270	0.476	0.463
SM	-	-	-	-	-	-0.559	0.032	0.014	0.120	-0.389
LM	-	-	-	-	-	-	-0.519	-0.687 [*]	-0.653 [*]	-0.343

^a RC, SC, LC indicate MC-LR concentration in root, stem, and leaf, respectively; RM, SM, and LM indicate MDA contents in root, and stem, and leaf, respectively; MR, PH, TW, and AW indicate main root length, plant height, total weight, and aerial part weight, respectively. ^b "*" and "**" indicate $p < 0.05$ and $p < 0.01$, respectively.

Table S3. Pearson's correlation coefficients among MC-LR concentration, MDA contents and biomass of *Brassica alboglabra* L. ($n = 12$).

	RC ^a	SC	LC	RM	SM	LM	MR	PH	TW	AW
RC	-	0.960 ** ^b	0.435	0.608 *	0.685 *	0.847 **	-0.961 **	-0.347	-0.764 **	-0.674 *
SC	-	-	0.426	0.583 *	0.559 *	0.746 *	-0.917 **	-0.401	-0.692*	-0.600 *
LC	-	-	-	0.007	0.437	0.574 *	-0.240	-0.392	0.187	0.285
RM	-	-	-	-	-0.029	0.554 *	-0.594 *	-0.269	-0.571 *	-0.578 *
SM	-	-	-	-	-	0.658 *	-0.703 *	-0.058	-0.550	-0.412
LM	-	-	-	-	-	-	-0.790 **	-0.303	-0.555 *	-0.440

^a RC, SC, LC indicate MC-LR concentration in root, stem, and leaf, respectively; RM, SM, and LM indicate MDA contents in root, and stem, and leaf, respectively; MR, PH, TW, and AW indicate main root length, plant height, total weight, and aerial part weight, respectively. ^b “**” and “***” indicate $p < 0.05$ and $p < 0.01$, respectively.

Table S4. Water contents (%) of the tested vegetables.

Vegetable	Root	Stem	Leaf
<i>Ipomoea batatas</i> L.	89.5 ± 4.7	88.7 ± 2.3	88.3 ± 0.9
<i>Brassica juncea</i> L.	86.5 ± 2.1	95.0 ± 2.1	93.6 ± 1.1
<i>Brassica alboglabra</i> L.	70.9 ± 25.2	92.2 ± 2.5	89.5 ± 1.2

Table S5. Spiked recoveries (% , $n = 4$) of MC-LR at 5 ng/g in the tested vegetables and corresponding soil.

Vegetable	Root		Stem		Leaf		Soil	
	Re ^a	RSD	Re	RSD	Re	RSD	Re	RSD
<i>Ipomoea batatas</i> L.	107.2	3.4	87.3	7.8	61.3	5.5	72.6	8.9
<i>Brassica juncea</i> L.	92.2	6.1	80.5	4.7	65.6	3.8	80.5	2.5
<i>Brassica alboglabra</i> L.	88.5	8.8	79.5	6.5	75.5	7.8	97.4	9.5

^a “RE” and “RSD” indicate recovery and relative standard deviation, respectively.