Supplementary material

Table S1. Macronutrient and sodium concentrations in the plants used in the experiment (dry weight basis, average ± se; n = 2).

Plants	N (g kg⁻¹)	K (g kg⁻¹)	P (g kg⁻¹)	Ca (g kg⁻¹)	Mg (g kg⁻¹)	Na (g kg⁻¹)
D. viscosa	5.7 ± 0.1 e	11.5 ± 0.4 c	1.0 ± 0.02 b	4.6 ± 0.1 d	3.1 ± 0.1 c	4.1 ± 0.1 c
A. halimus	12.1 ± 0.0 b	27.1 ± 0.03 a	0.6 ± 0.01 d	3.3 ± 0.2 e	6.4 ± 0.1 a	10.2 ± 0.7 b
B. bituminosa	14.8 ± 0.1 ab	14.1 ± 0.4 b	1.0 ± 0.03 b	10.3 ± 0.3 b	3.2 ± 0.1 bc	0.3 ± 0.01 g
Z. fabago	19.9 ± 0.8 a	9.6 ± 0.1 d	1.4 ± 0.02 a	26.8 ± 0.01 a	3.6 ± 0.05 b	18.1 ± 0.04 a
A. donax	7.2 ± 0.2 cd	13.0 ± 0.2 b	0.7 ± 0.03 c	2.5 ± 0.1 f	1.2 ± 0.04 f	0.2 ± 0.01 h
P. australis	5.9 ± 0.0 e	5.8 ± 0.06 e	0.3 ± 0.01 e	1.6 ± 0.002 h	2.3 ± 0.01 d	0.6 ± 0.01 e
P. miliaceum	6.6 ± 0.3 d	9.7 ± 0.1 d	$0.7 \pm .010$ c	2.2 ± 0.0005 g	1.2 ± 0.01 f	0.3 ± 0.003 f
F. vulgare	7.7 ± 0.2 c	12.9 ± 0.2 b	0.6 ± 0.03 d	7.7 ± 0.1 c	1.8 ± 0.14 e	2.4 ± 0.12 d
ANOVA	***	***	***	***	***	***

***: significant at $P < 0.001$. Values followed by the same letter in each column do not differ significantly according to Tukey's test at $P < 0.05$.

Table S2. Pearson's coefficients for the correlations between the concentrations of the different TEs in the plants (n = 8).

	Al	As	Cd	Cu	Fe	Mn
Cd	0.887**	0.728*				
Cu	0.796*	0.588	0.818*			
Fe	0.885**	0.887**	0.890**	0.672		
Pb	0.883**	0.795*	0.885**	0.799*	0.934***	0.339
Zn	0.467	0.413	0.707*	0.852**	0.403	0.934***

*, ** and ***: significant at $P < 0.05$, 0.01 and 0.001, respectively.