

Table S4. Heavy metal levels recorded in soil and *GT* in previous studies (mg/kg_{dw}^a)

Site	Media	Cu	Ni	Pb	Zn	Cd	Fe	Cr	Co	Mn	Reference
Desert, Israel	Soil	3-11.6	10.8-12	<5	0.25-0.44	<1					(Sathiyamoorthy et al., 1997)
	Plant	14	3.8	15	30	13	3020			72.7	
	BCF ^b	1.21-4.67	0.32-0.35	3	68.18-120	13					
	Cultivated Fields & Roadsides, Türkiye	Plant	0.86			6.6		27.9			
Mining Area (Pb), Iran	Natural Soil	10.00	78	67	181	0.2	80				(Chehregani et al., 2009)
	Waste Pool Soil	123	98.20	14800	2700	54.1	1400				
	Plant	24	8.4	652	820	2.30	1952				
	BCF	0.2	0.09	0.044	0.3	0.04	1.4				
Mining Area (Cu), Iran	Growth Soil	30-450	6-34	22-215	8-220						(Ghaderian & Ghotbi Ravandi, 2012)
	Leaf	11	0.6	4	13						
	BCF	0.02-0.37	0.02-0.1	0.019-0.18	0.06-1.6						
Mining Area (Pb), Iran	Growth Soil	162	1730	16700	2950	81.10	1730				(Mohsenzadeh & Rad, 2012)
	Plant	24.00	8.40	652.00	820.00	2.30	1952				
	BCF	0.15	0.005	0.003	0.28	0.03	1.13				
Mountain, Türkiye	Plant	27.91		0.04	20.05	0.09	408.37	0.29	1.08		(Tunçtürk et al., 2015)
Mining Area (Pb&Zn), Iran	Growth Soil		27.5	4384.3	1213.3	51.40					(Moameri et al., 2017)
	Stems		20.93	9.46	116.0	0.48					
	Roots		23.33	58.11	132.05	1.47					
	BCF _s ^c		0.76	0.002	0.095	0.009					
	BCF _r ^d		0.84	0.013	0.108	0.028					
Local Market, Iran	Plant	1.5	1.6		14	0.6	12			8	(Jalali & Fakhri, 2021)
Erbil Local Market, Iraq	Plant		0.532		3.483		100		0.015	3.37	(Sadec, 2022)
a : dw (dry weight) b : BCF (Bioconcentration factor for plant) c : BCF _s (Bioconcentration factor for stem) d : BCF _r (Bioconcentration factor for root)											