

Table S1. Recovery of metals in NIST certified reference 2711a (Montana II Soil) and correction factors obtained by portable X-ray fluorescence spectrometry; values represent mean (n = 5).

Element	Certified value Mean \pm U ^a (mg/kg)	Found value Mean \pm CI ^b (mg/kg)	Recovery Mean \pm CI ^b (%)	Correction factor
Cd	54.1 \pm 0.5	58.6 \pm 5.1	108 \pm 9	0.923
Cu	140 \pm 2	118 \pm 4	85 \pm 4	1.186
Hg	7.42 \pm 0.18	11.68 \pm 1.60	157 \pm 13	0.635
Pb	1400 \pm 10	1374 \pm 11	98 \pm 1	1.019
Zn	414 \pm 11	356 \pm 14	86 \pm 4	1.162

^aU is the expanded uncertainty for 95% confidence level (k=2);

^bCI is the confidence interval for 95% confidence level (n=5).

Table S2. GenBank accession numbers assigned for heavy metal resistant fungal isolates (with Tolerance Index \geq 0.5 for at least one of the metals assessed) germane to contaminated soils in Turda, Romania.

Isolate ID	Species	GenBank accession number
P2.1	<i>Sarocladium kiliense</i>	MT913526
P2.2	<i>Sarocladium kiliense</i>	MT913527
P2.5	<i>Fusarium oxysporum</i>	MN519436
P2.7	<i>Fusarium oxysporum</i>	MT913528
P2.9	<i>Penicillium crustosum</i>	MT913529
P2.10	<i>Phoma costaricensis</i>	MT913530
P2.12	<i>Stagonosporopsis</i> sp.	MT913531
P2.14	<i>Fusarium oxysporum</i>	MT913532
P2.15	<i>Mortierella alpina</i>	MT913533
P2.16	<i>Didymella glomerata</i>	MT913534
T1	<i>Mortierella alpina</i>	MT913535
T2	<i>Cladosporium</i> sp.	MT913536
T3	<i>Fusarium oxysporum</i>	MT913537
T4	<i>Mortierella alpina</i>	MT913538
T8	<i>Fusarium equiseti</i>	MT913539
T14	<i>Lecanicillium</i> sp.	MT913540
T16	<i>Mortierella alpina</i>	MT913541
T21	<i>Sarocladium kiliense</i>	MT913542
T23	<i>Mortierella alpina</i>	MT913543
T25	<i>Sarocladium</i> sp.	MT913544
T27	<i>Fusarium oxysporum</i>	MT913545
T28	<i>Fusarium solani</i>	MT913546

T30	<i>Aspergillus</i> sp.	MT913547
T32	<i>Cladosporium macrocarpum</i>	MT913548
T33	<i>Aspergillus</i> sp.	MT913549
T34	<i>Sarocladium kiliense</i>	MT913550
T36	<i>Cadophora malorum</i>	MT913551
T37	<i>Cadophora malorum</i>	MT913552
T39	<i>Sarocladium kiliense</i>	MT913553
TRD3.2	<i>Cladosporium</i> sp.	MT913554
TRD5.5	<i>Penicillium brevicompactum</i>	MT913555
TRD5P.6	<i>Sarocladium kiliense</i>	MT913556

Table S3. Mean growth diameters of fungal isolates tested for Minimum Inhibitory Concentration.

Species	Isolate	Metal	Metal concentration (mg/L)	Diameter mean (mm) \pm SE (n=3-9)
<i>Fusarium oxysporum</i>	P2.5	Hg	0	82.83 \pm 0.40
			80	51.67 \pm 0.41
			120	34.93 \pm 0.42
			140	6.00 \pm 0.00
		Pb	518	33.33 \pm 0.25
			1036	16.17 \pm 0.10
			1568	6.00 \pm 0.00
			490	51.83 \pm 0.84
		Zn	653	42.67 \pm 0.25
			1176	23.83 \pm 0.19
			1569	15.50 \pm 0.25
			2092	7.50 \pm 0.73
			2353	6.50 \pm 0.17
	P2.7	Hg	0	85.00 \pm 0.00
			80	85.00 \pm 0.00
			120	55.86 \pm 1.11
			140	28.75 \pm 0.71
			180	24.50 \pm 0.93
			200	6.00 \pm 0.00
		Pb	518	33.33 \pm 0.38
			1036	15.00 \pm 2.02
			1568	6.00 \pm 0.00
		Zn	490	49.33 \pm 0.35
			653	41.00 \pm 0.44
			1176	22.50 \pm 0.17
			1569	15.00 \pm 0.45
			1830	11.83 \pm 0.19
			2092	6.33 \pm 0.10

<i>Sarocladium kiliense</i>	P2.2	Hg	0	32.25 ± 0.10		
			40	30.17 ± 0.10		
			160	9.17 ± 0.16		
			200	6.33 ± 0.16		
		Cd	63.5	29.50 ± 0.41		
			127	20.83 ± 0.08		
			254	10.00 ± 0.00		
			381	6.00 ± 0.00		
		Pb	518	12.83 ± 0.08		
			1036	7.00 ± 0.00		
			2072	6.33 ± 0.16		
			TRD5P6	Hg	0	43.58 ± 0.31
30	38.67 ± 0.19					
80	26.50 ± 0.17					
160	11.30 ± 0.19					
Cd	168	28.00 ± 0.00				
	224	23.00 ± 0.33				
	281	18.92 ± 0.06				
	337	15.00 ± 0.29				
	337	10.50 ± 0.17				
	<i>Didymella glomerata</i>	P2.16		Hg	0	74.83 ± 0.35
					80	45.67 ± 1.67
					160	14.33 ± 0.19
200			7.17 ± 0.67			
<i>Phoma costaricensis</i>	P2.10	Hg	0	55.17 ± 1.18		
			30	53.17 ± 1.18		
			80	41.00 ± 1.8		
			160	6.00 ± 0.00		
<i>Cladosporium sp.</i>	TRD3.2	Hg	0	31.17 ± 1.49		
			10	29.50 ± 0.44		
			30	26.17 ± 1.40		
			80	24.67 ± 0.19		
			160	6.00 ± 0.00		