



Supplement of

Tolerance of soil bacterial community to tetracycline antibiotics induced by As, Cd, Zn, Cu, Ni, Cr, and Pb pollution

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17 **Table S1.** General characteristic of the soil used in this study. Average values (n=3) with coefficients of
 18 variation always lower than 5%

Parameter	Soil
Sand (%)	25.3
Silt (%)	54.7
Clay (%)	20.0
Texture	Silt Loam
pH_w	6.0
C (%)	1.8
N (%)	0.2
Ca_e (cmol_c kg⁻¹)	7.4
Mg_e (cmol_c kg⁻¹)	1.6
Na_e (cmol_c kg⁻¹)	0.4
K_e (cmol_c kg⁻¹)	3.6
Al_e (cmol_c kg⁻¹)	0.2
eCEC (cmol_c kg⁻¹)	13.2
P_{available} (mg kg⁻¹)	204.1
Cr_T (mg kg⁻¹)	43.4
Co_T (mg kg⁻¹)	11.1
Ni_T (mg kg⁻¹)	25.4
Cu_T (mg kg⁻¹)	43.4
As_T (mg kg⁻¹)	27.5
Cd_T (mg kg⁻¹)	< DL
Pb_T (mg kg⁻¹)	17.1
Na_T (mg kg⁻¹)	223.5
K_T (mg kg⁻¹)	4709.0
Ca_T (mg kg⁻¹)	2153.7
Mg_T (mg kg⁻¹)	5455.5
Al_T (mg kg⁻¹)	27546.3
Mn_T (mg kg⁻¹)	606.9
Fe_T (mg kg⁻¹)	34384.6
Zn_T (mg kg⁻¹)	135.5
EC (μS cm⁻¹)	298.0

19 pH_w is pH measured in water; C is total carbon; N is total nitrogen; eCEC is the effective cation
 20 exchange capacity (cmol_ckg⁻¹); X_e: exchangeable concentration of the element; X_T: total
 21 concentration of the element. DL: detection limit; EC: electrical conductivity (μS cm⁻¹)

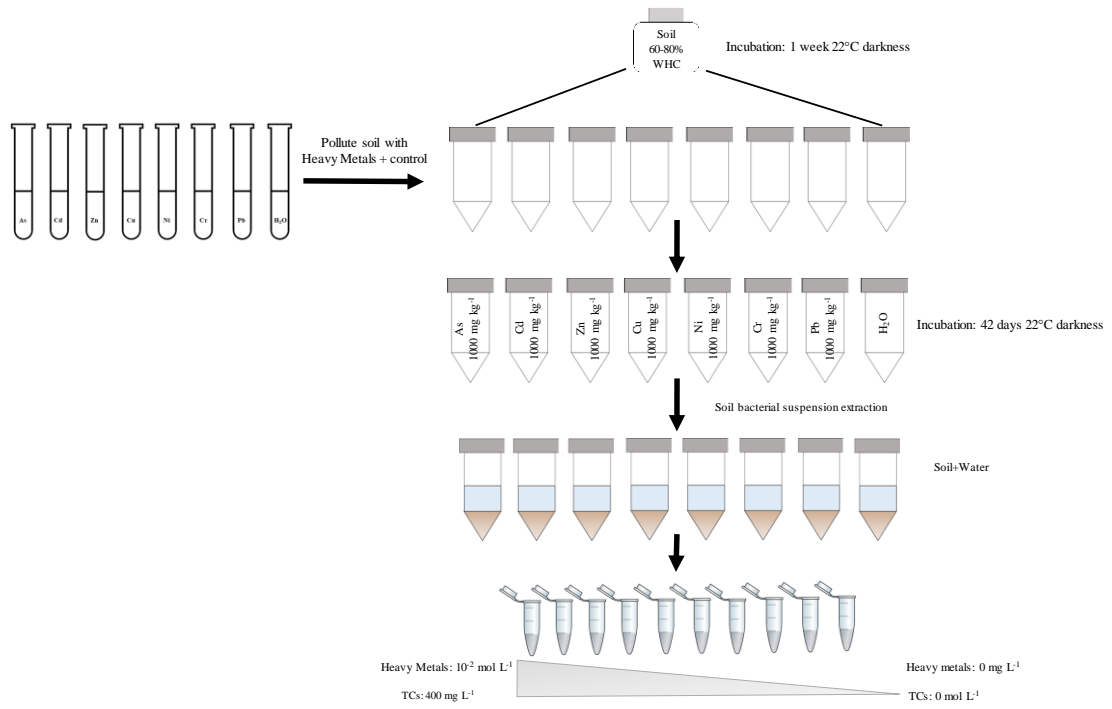
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28 **Table S2.** Concentration of bioavailable heavy metals extracted with 0.01 M CaCl₂ and EDTA in polluted
29 soil samples for days 1 and 42.

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Heavy metals	Day 1		Day 42	
	CaCl ₂	EDTA	CaCl ₂	EDTA
As	617.4	917.4	95.7	426.1
Cd	333.4	1016.9	140.9	852.2
Cr	834.8	904.4	191.3	252.2
Cu	71.1	982.1	17.4	687.0
Ni	429.0	802.6	252.2	800.0
Pb	220.3	1080.7	3.5	765.2
Zn	301.1	953.22	146.1	713.0

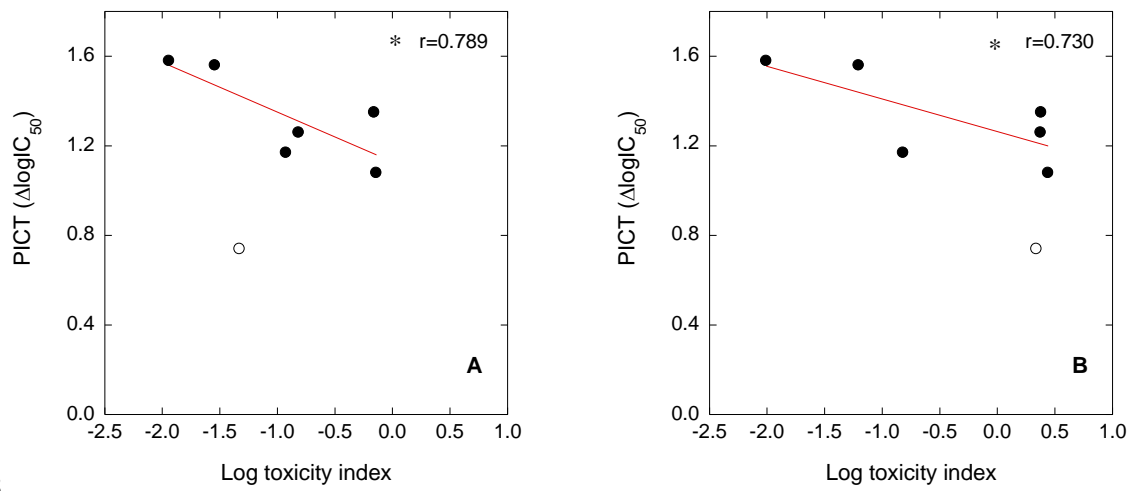
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36 **Figure S1.** Scheme showing main details of the experimental design.



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40 **Figure S2.** Polluted Induced Community Tolerance (PICT, $\Delta\log IC_{50}$) as a function of the toxicity index for
41 day 1 (A) and day 42 (B), after adding the various heavy metals (As, Cd, Zn, Cu, Ni, Cr and Pb) to soil.

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