PHYTOREMEDIATION OF SOILS CONTAMINATED WITH HEAVY METALS FROM GOLD MINING ACTIVITIES USING *Clidemia sericea D. Don.*

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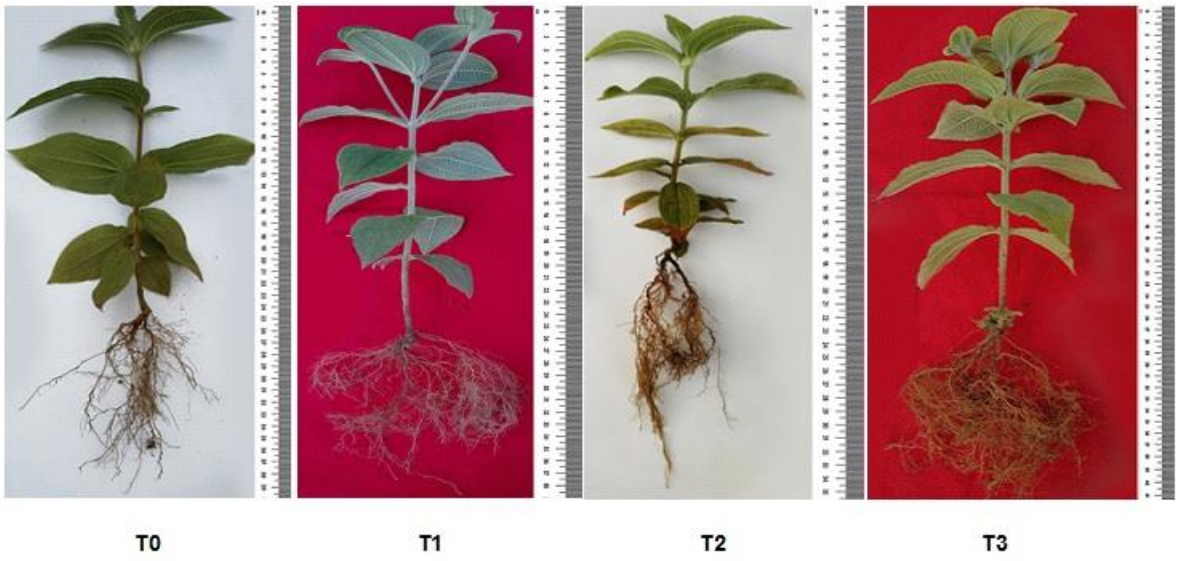


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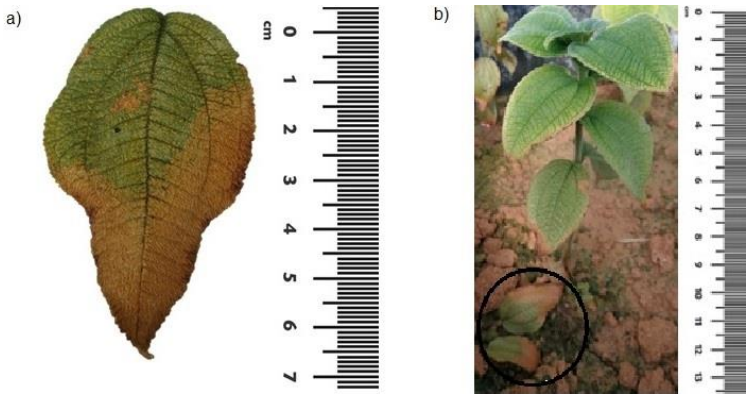


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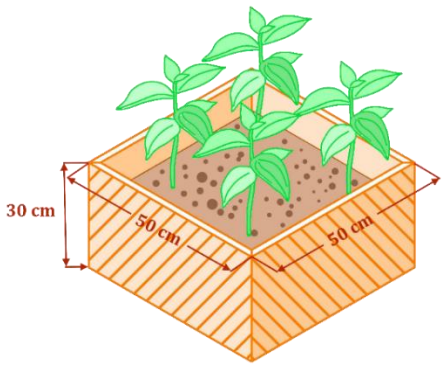


Figure S3. Representation of experimental unit.

Table S1. Biomass and photosynthetic pigments of the treatments.

Variables	Treatments			
Dry biomass	**T0**	**T1**	**T2**	**T3**
Total biomass (g)	4.95±0.15a	3.83±0.13ab	2.64±0.92b	2.47±0.63b
Root (g)	1.14±0.09a	0.95±0.11ab	0.6±0.24b	0.66±0.21b
Stem (g)	1.27±0.04a	0.95±0.09a	0.51±0.19b	0.49±0.15b
Leaves (g)	2.54±0.09a	1.92±0.32ab	1.54±0.49b	1.32±0.32b
Necrosed leaves (g)	n.p	n.p	0.13±0.03a	0.12±0.07a
Photosynthetic pigments	**T0**	**T1**	**T2**	**T3**
Chlorophyll a (mg g^{-1})	9.86±0.08b	9.90±0.01b	1.36±0.01c	12.29±0.01a
Chlorophyll b (mg g^{-1})	3.85±0.08c	3.96±0.01b	0.53±0.01d	13.47±0.01a
Chlorophyll a + b (mg g^{-1})	13.71±0.16b	13.86±0.01b	1.89±0.01c	25.76±0.02a
Carotenoids (mg g^{-1})	3.18±0.05a	3.01±0.02b	0.56±0.01d	1.53±0.02c

n.p: did not present. Total biomass does not include necrotic leaves because they were collected before the end of the trial. Different letters indicate significant statistical differences ($p<0.05$) using Tukey's test between each treatment per variable.

Table S2. Certified values and percent recovery for Hg, Pb and Cd in soil and Lichen.

Metal	Certified reference material	Matrix	Certified Value (mg kg^{-1})	Recovery percentage (%)
Hg	CRM008–050	Soil	0.720± 0.03	95.8
	IAEA-336	Lichen	0.20± 0.04	105
Pb	CRM008–050	Soil	95.3± 5.3	101.4
	IAEA-336	Lichen	4.9± 0.6	93.9
Cd	CRM008–050	Soil	0.82±0	103.6
	IAEA-336	Lichen	0.117± 0.017	98.2