

Table 4 Potential ecological risk (ER) of heavy metals in cassava mill effluents contaminated soil

Location	Season	BMM									BGM								
		Cu	Zn	Mn	Fe	Pb	Cd	Cr	Ni	Co	Cu	Zn	Mn	Fe	Pb	Cd	Cr	Ni	Co
LA	Dry	5.00	0.22	0.47	-	9.40	30.00	3.66	7.90	1.60	5.10	0.30	0.57	-	11.25	30.00	4.80	7.40	2.05
	Wet	5.00	0.47	0.47	-	5.00	30.00	2.68	3.20	10.65	4.75	0.54	0.52	-	4.25	23.10	3.16	2.50	8.15
LB	Dry	7.30	0.88	0.53	-	10.00	30.00	0.36	3.55	5.00	7.45	1.17	0.64	-	11.00	30.00	0.46	3.30	6.35
	Wet	6.25	1.23	1.36	-	21.70	6.07	1.48	10.65	5.00	5.95	1.40	1.50	-	18.50	48.00	1.28	4.98	3.80
LC	Dry	3.55	1.00	1.00	-	5.00	30.00	2.00	5.00	5.45	3.60	1.34	1.21	-	5.45	30.00	2.62	4.65	6.95
	Wet	4.75	0.86	0.86	-	2.10	30.00	2.00	17.65	5.00	4.55	0.98	0.95	-	1.80	23.10	1.68	13.75	3.80
LD	Dry	8.60	1.10	1.10	-	2.75	30.00	1.46	7.85	5.25	8.75	1.40	1.33	-	3.00	30.00	1.90	7.35	6.70
	Wet	4.30	1.10	1.10	-	5.00	30.00	1.50	5.00	5.00	4.10	1.14	1.22	-	4.25	23.10	1.30	3.90	3.80
LE	Dry	2.55	1.41	1.41	-	1.55	30.00	2.18	4.00	4.05	2.60	1.53	1.70	-	1.70	30.00	2.86	2.25	5.15
	Wet	6.25	1.06	1.00	-	6.20	58.8	5.64	3.60	3.60	5.95	1.20	1.00	-	5.30	45.00	4.88	2.80	6.95

Note: $Er < 40$ (Low risk); $40 \leq Er < 80$ (Moderate risk); $80 \leq Er < 160$ (Considerable); $160 \leq Er < 320$ (High); $Er \geq 320$ (Very high)

BMM-Background median mean; BGM-Background geometric mean