

Table 5 Modified (Monomial) potential ecological risk of heavy metals from cassava mille effluent contaminated soil

Seasons	Heavy metals	BMM					BGM				
		LA	LB	LC	LD	LE	LA	LB	LC	LD	LE
Wet	Cu	2.35	6.16	4.31	5.00	5.28	2.68	7.00	4.89	5.69	6.00
	Zn	0.47	1.36	0.86	1.10	1.00	0.52	1.50	0.95	1.22	1.11
	Mn	1.00	4.34	0.42	1.00	1.24	0.85	3.70	0.36	0.85	1.06
	Pb	5.00	10.43	5.00	5.00	9.78	3.83	8.00	3.83	3.85	7.50
	Cd	40.19	22.26	30.00	22.45	84.91	35.82	19.24	25.92	19.40	73.37
	Cr	1.25	4.32	7.06	2.00	1.45	0.99	3.37	5.50	1.56	1.13
	Ni	10.00	5.00	5.00	5.00	8.75	8.00	4.00	4.00	4.00	7.00
	Co	5.00	6.24	4.77	4.32	6.25	4.75	4.53	4.53	4.10	5.95
Dry	Cu	5.00	7.29	3.54	8.59	2.56	5.10	7.43	3.61	8.76	2.61
	Zn	0.22	0.88	1.00	1.05	1.14	0.30	1.17	1.34	1.40	1.53
	Mn	0.47	0.53	1.00	1.10	1.41	0.57	0.64	1.21	1.10	1.70
	Pb	9.41	10.09	5.00	2.73	1.47	10.25	10.98	5.44	2.98	1.60
	Cd	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
	Cr	3.68	0.36	2.00	1.45	2.18	4.81	0.47	2.62	1.90	2.85
	Ni	7.91	3.53	5.00	7.89	4.00	7.39	3.30	4.67	7.37	3.74
	Co	1.62	5.00	5.47	5.27	4.07	2.05	6.34	6.94	6.69	5.16

Note: $MPER \leq 50$ (Low risk); $50 < MPER \leq 100$ (Moderate risk); $100 < MPER \leq 150$ (Considerable risk); $150 < MPER \leq 200$ (High risk); $MPER > 200$ (Very high/Extreme risk)