

Supplementary Materials:

Table S1. Biased correlation analysis of tailings containing *Setaria viridis* (* p<0.05 ** p<0.01) .

Parameter Type	Relevance	RLRD	RLRV	RDRL	RDRV	RVRL	RVRD
Weight capacity	Correlation coefficient	0.998 **	-0.965 *	-0.489	-0.467	0.955 *	0.988 *
	value of p	0.002	0.035	0.072	0.067	0.045	0.012
Water content	Correlation coefficient	0.791	-0.970 *	-0.864	-0.920	0.963 *	0.864
	value of p	0.209	0.030	0.136	0.080	0.037	0.154
Porosity	Correlation coefficient	0.955 *	-0.918	-0.957 *	-0.844	0.947	0.966 *
	value of p	0.045	0.082	0.043	0.156	0.053	0.034

Table S2. Biased correlation analysis of tailings containing *Cynodon dactylon* (L.) (* p<0.05 ** p<0.01) .

Parameter Type	Relevance	RLRD	RLRV	RDRL	RDRV	RVRL	RVRD
Weight capacity	Correlation coefficient	0.951 *	-0.998 **	-0.975 *	-0.991 **	0.997 **	0.971 *
	value of p	0.049	0.002	0.025	0.009	0.003	0.029
Water content	Correlation coefficient	0.901	-0.975 *	-0.923	-0.955 *	0.969 *	0.930
	value of p	0.099	0.025	0.077	0.045	0.031	0.070
Porosity	Correlation coefficient	0.989 *	-0.955 *	-0.989*	-0.975 *	0.957 *	0.976 *
	value of p	0.011	0.045	0.011	0.025	0.043	0.024