

Supplementary data

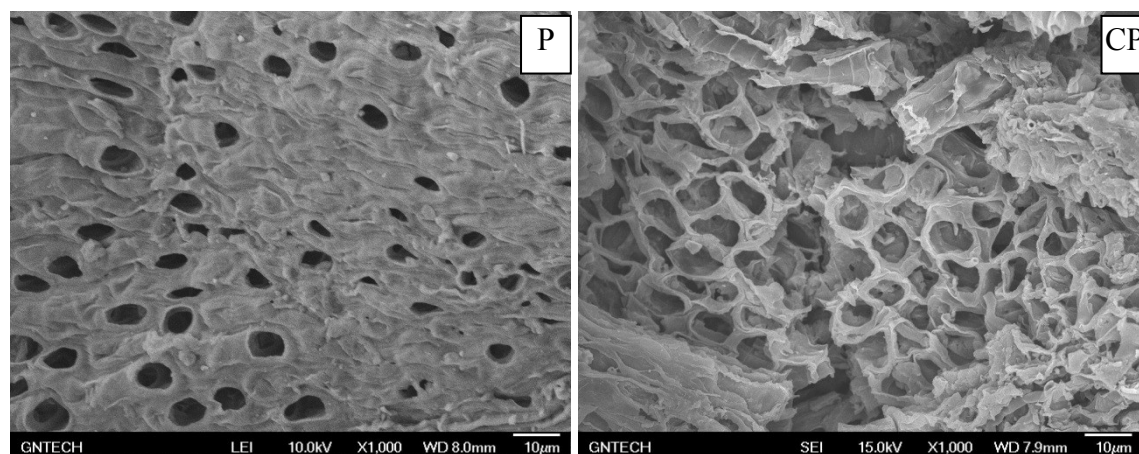


Fig. 1 Scanning electron microscopy (SEM) images of peat moss (P) and peat moss-derived biochar (CP)

Table 1. Percentage of heavy metal immobilization calculated based on NH_4NO_3 extractable metal concentrations (Negative value indicates increased bioavailability. Means with the same letter in the same column of the same element are not significantly different at $p < 0.05$ according to Duncan's multiple range test.)

Heavy metals	Treatments	Dose of amendment (%)	Incubation time (days)				
			1 d	3 d	5 d	7 d	10 d
Pb	Peat moss	0.5	-19.9c	-32.4c	-30.9c	-35.3c	-10.5c
		1.0	-34.9c	-38.8c	-33.4c	-42.4c	-21.0c
		3.0	-42.7c	-57.9c	-56.9c	-46.1c	-35.0c
	Peat moss-derived biochar	0.5	30.0b	29.2b	37.5b	40.5b	42.4b
		1.0	55.5ab	54.1ab	61.3ab	74.0ab	67.1ab
		3.0	94.7a	97.2a	97.4a	97.6a	97.8a
Cu	Peat moss	0.5	-8.97b	-20.6b	-31.0b	-54.3b	-14.2b
		1.0	-24.9b	-26.9b	-31.3b	-60.0b	-28.6b
		3.0	-39.2b	-33.8b	-48.8b	-59.3b	-35.8b
	Peat moss-derived biochar	0.5	67.7a	63.7a	65.7a	67.7a	73.5a
		1.0	89.6a	90.9a	90.7a	93.6a	94.2a
		3.0	100a	100a	100a	100a	100a
Cd	Peat moss	0.5	-14.2cd	-11.5bcd	-13.7bc	-14.7b	-18.5bcd
		1.0	-16.2cd	-26.2cd	-21.0bc	-20.1b	-33.4cd
		3.0	-27.4d	-38.3d	-41.4c	-17.4b	-42.1d
	Peat moss-derived biochar	0.5	11.4bc	4.77bc	6.18b	4.23b	4.59bc
		1.0	25.7b	18.8b	18.2b	12.4b	21.7b
		3.0	63.6a	63.0a	74.0a	72.9a	77.2a