

Table S1 Chemical characteristics of the biochar and compost used in this study. Values represent mean  $\pm$  SE (n=3).

u.d.l.: under detection limit (i.e.,  $<0.2 \mu\text{g}\cdot\text{kg}^{-1}$ ).

Chemical parameters	Biochar	Compost
pH	9.30 $\pm$ 0.01	8.60 $\pm$ 0.02
EC (mS $\cdot$ cm <sup>-1</sup> )	9.91 $\pm$ 2.79	4.59 $\pm$ 0.01
Ash (%)	2.44 $\pm$ 0.10	46.42 $\pm$ 2.84
CEC (cmol <sub>(+)</sub> kg <sup>-1</sup> )	18.81 $\pm$ 0.30	77.75 $\pm$ 0.21
Total C (%)	61.32 $\pm$ 0.06	26.38 $\pm$ 0.39
Total N (%)	0.30 $\pm$ 0.02	2.80 $\pm$ 0.07
DOC (mg $\cdot$ g <sup>-1</sup> )	0.020 $\pm$ 0.003	0.603 $\pm$ 0.04
P extractable (mg $\cdot$ kg <sup>-1</sup> )	84.52 $\pm$ 3.01	58.36 $\pm$ 4.28
<i>Total PTEs concentration (mg<math>\cdot</math>kg<sup>-1</sup>)</i>		
Total Sb	u.d.l.	u.d.l.
Total As	u.d.l.	u.d.l.
Total Cd	u.d.l.	u.d.l.
Total Fe	524.8 $\pm$ 12.7	5494 $\pm$ 66
Total Mn	358.1 $\pm$ 5.1	147.9 $\pm$ 6.2
Total Pb	u.d.l.	u.d.l.
Total Cu	207.1 $\pm$ 2.9	u.d.l.
Total Zn	u.d.l.	26.91 $\pm$ 0.89