




# Correction to: Influences of peanut hull-derived biochar, *Trichoderma harzianum* and supplemental phosphorus on hairy vetch growth in Pb- and Zn-contaminated soil

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In the original publication of the article, the column headings “Biochar characteristics” and “Soil

characteristics” in table 1 were incorrectly swapped. The values in the 12th and 13th rows are incorrect. The correct table 1 is given below. The original article has been corrected.

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The original article can be found online at <https://doi.org/10.1007/s10653-023-01606-8>.

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**Table 1** Some physico-chemical properties of the experimental soil and the biochar prepared from waste by-product of peanut hulls

Soil characteristics		Biochar characteristics	
Texture	<b>Clay loam</b>	H (%)	<b>3.4</b>
pH	<b>8.1</b>	C (%)	<b>67.6</b>
EC (dS m <sup>-1</sup> )	<b>1.1</b>	N (%)	<b>0.5</b>
OC (%)	<b>0.7</b>	O (%)	<b>11.6</b>
OM (%)	<b>1.7</b>	Na (%)	<b>N.d.</b>
Total N (%)	<b>0.09</b>	Mg (%)	<b>N.d.</b>
P <sub>Olsen</sub> (mg kg <sup>-1</sup> )	<b>15.8</b>	P (%)	<b>N.d.</b>
K <sub>Ava.</sub> (mg kg <sup>-1</sup> )	<b>375</b>	S (%)	<b>N.d.</b>
CEC (cmol kg <sup>-1</sup> )	<b>19.5</b>	Cl (%)	<b>N.d.</b>
		K (%)	<b>0.4</b>
Zn <sub>Total</sub> (mg kg <sup>-1</sup> )	<b>684.6</b>	Ca (%)	<b>0.8</b>
Zn <sub>DTPA-Extractable</sub> (mg kg <sup>-1</sup> )	<b>64.8</b>	Zn <sub>Total</sub> (mg kg <sup>-1</sup> )	<b>19.9</b>
† <i>The MPA of Zn in the soil</i>		Pb <sub>Total</sub> (mg kg <sup>-1</sup> )	<b>1.0</b>
‡ <i>The PHR of Zn in the farm soil</i>		pH	<b>7.8</b>
		EC (dS m <sup>-1</sup> )	<b>0.5</b>
Pb <sub>Total</sub> (mg kg <sup>-1</sup> )	<b>87.4</b>	S <sub>BET</sub> (m <sup>2</sup> g <sup>-1</sup> )	<b>1.5</b>
Pb <sub>DTPA-Extractable</sub> (mg kg <sup>-1</sup> )	<b>12.4</b>	V <sub>Tot</sub> (cm <sup>3</sup> g <sup>-1</sup> )	<b>0.002</b>
<i>The MPA of Pb in the soil</i>		Mean pore diameter (nm)	<b>4.8</b>
<i>The PHR of Pb in the farm soil</i>		Ash (%)	<b>17</b>

EC electrical conductivity; OC organic carbon; OM organic matter; CEC cation exchange capacity; S<sub>BET</sub> BET surface area; V<sub>Tot</sub> total pore volume

† MPA denotes the maximum permissible addition of heavy metals in the soil by the data of Dutch ecologists (Crommentuijn et al., 2000).

‡ PHR denotes the possible hazard range of heavy metals in the farm soil according to the soil contamination standards (SCSs) reported by the Iranian department of environment (DOE, 2022).

N.d. denotes Non-detectable.

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