

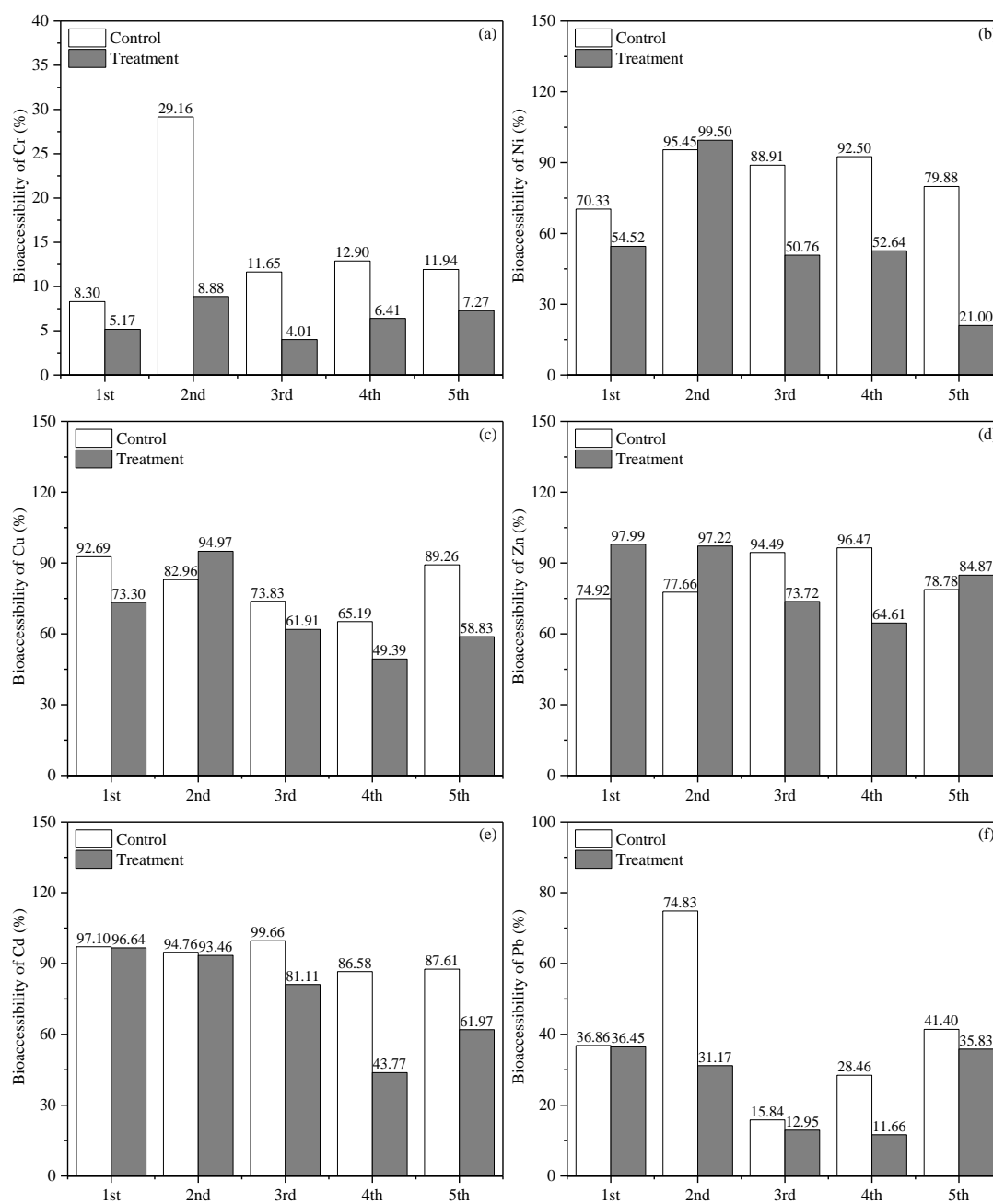
## Supplementary Information

### 1 Supplementary Table

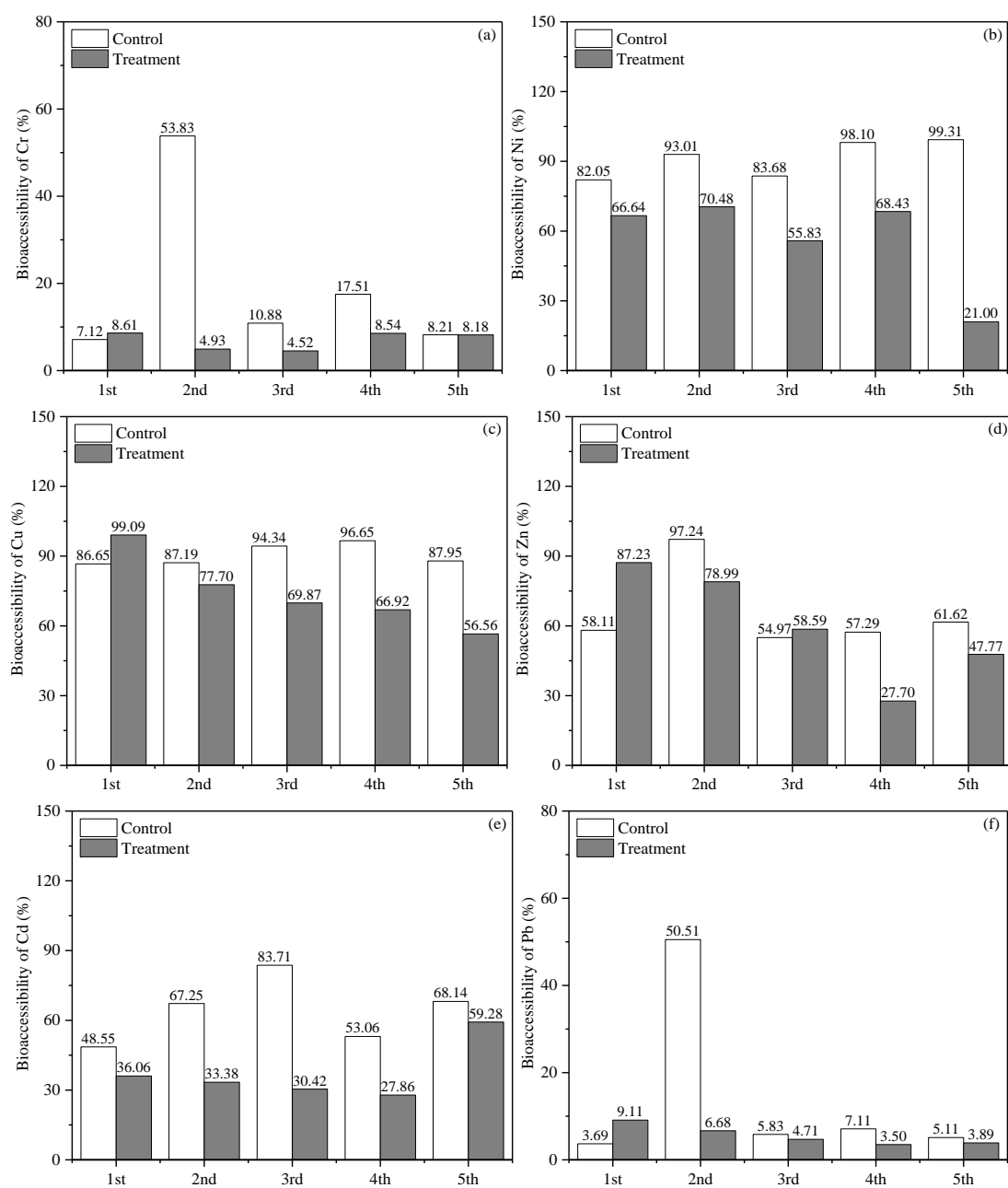
**Table S1. Some major physicochemical characteristics of the biochar and soil used in the greenhouse experiment.**

<b>Parameter</b>	<b>Biochar</b>	<b>Soil</b>
<b>pH</b>	9.94	4.30
<b>EC (dS/m)</b>	8.050	0.723
<b>BET surface area (m<sup>2</sup>/g)</b>	37.85	
<b>Zeta potential (mv)</b>	-60.9	
<b>Total organic C (g/kg)</b>	420	14.7
<b>Total N (g/kg)</b>	7.9	1.72
<b>Total P (mg/kg)</b>	2.35	
<b>Available P (mg/kg)</b>	59.23	0.018
<b>Available K (g/kg)</b>	9.65	0.023
<b>Total Cr (mg/kg)</b>		58.7
<b>Total Ni (mg/kg)</b>		15
<b>Total Cu (mg/kg)</b>		246
<b>Total Zn (mg/kg)</b>		256
<b>Total Cd (mg/kg)</b>		0.49
<b>Total Pb (mg/kg)</b>		171

## 2 Supplementary Figures



**Figure S1. Bioaccessibility (%) of Cr (a), Ni (b), Cu (c), Zn (d), Cd (e) and Pb (f) in the edible portion of the vegetable under simulated gastric conditions at different harvest times.**



**Figure S2. Bioaccessibility (%) of Cr (a), Ni (b), Cu (c), Zn (d), Cd (e) and Pb (f) in the edible portion of the vegetable under simulated gastrointestinal conditions at different harvest times.**