

Supplementary tables

Table S1: Heavy metals and polycyclic aromatic hydrocarbons (PAHs) content in the biochar. All the PAHs were below the limits of reporting (< 0.5 mg kg⁻¹).

Parameter	Units	Biochar amendment type					
		<i>Croton megalocarpus</i>			<i>Zanthoxylum gillettii</i>		
		Unwashed biochar	Acetone-washed biochar	Acid-washed biochar	Unwashed biochar	Acetone-washed biochar	Acid-washed biochar
Al	g kg ⁻¹	0.1	0.1	0.1	0.12	0.1	0.1
As	mg kg ⁻¹	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cd	mg kg ⁻¹	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Co	mg kg ⁻¹	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Cr	mg kg ⁻¹	1.3	1.3	2.3	0.9	1.1	3.3
Cu	mg kg ⁻¹	2.1	3.0	3.7	0.7	1.2	3.0
Fe	g kg ⁻¹	0.1	0.2	0.1	0.1	0.1	0.2
Ni	mg kg ⁻¹	<0.7	<0.7	0.8	<0.7	1.0	1.0
Pb	mg kg ⁻¹	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Se	mg kg ⁻¹	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Polycyclic aromatic hydrocarbons (PAHs)							
Naphthalene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b+j)fluoranthene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3.cd)pyrene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	mg kg ⁻¹	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Supplementary figures

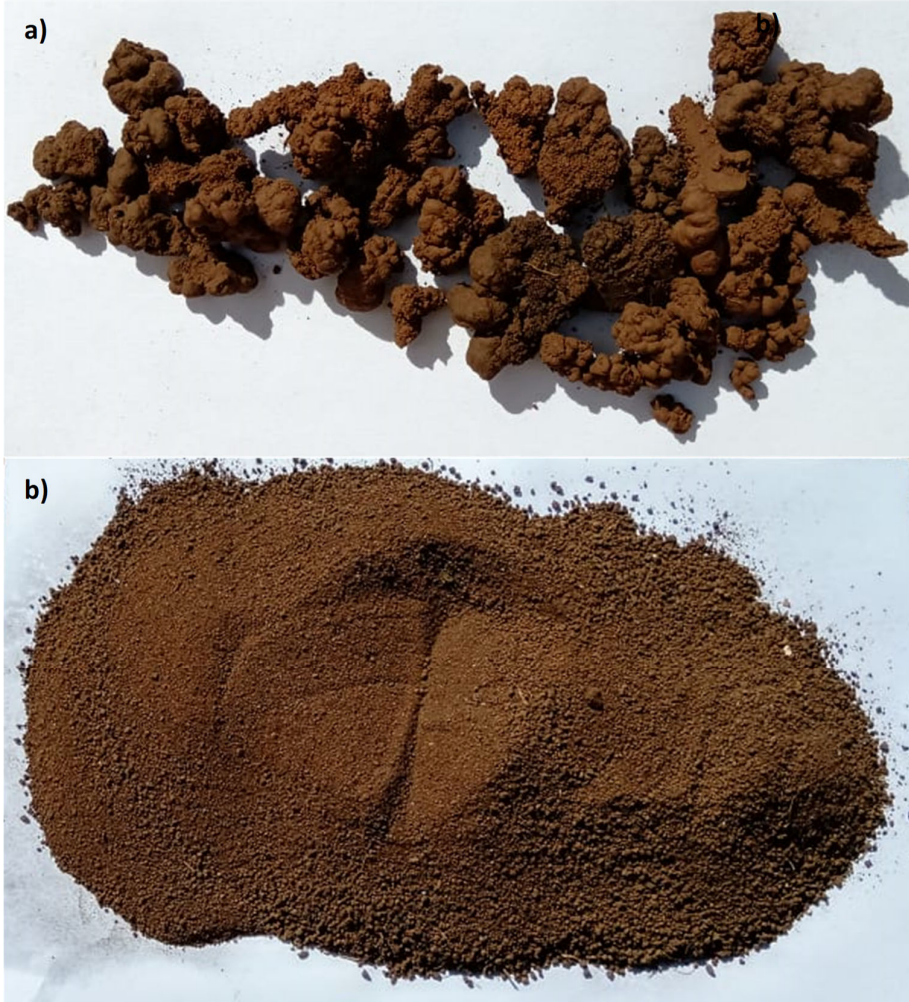


Fig. S1: Casts (a) after being separated from the bulk soil (b).

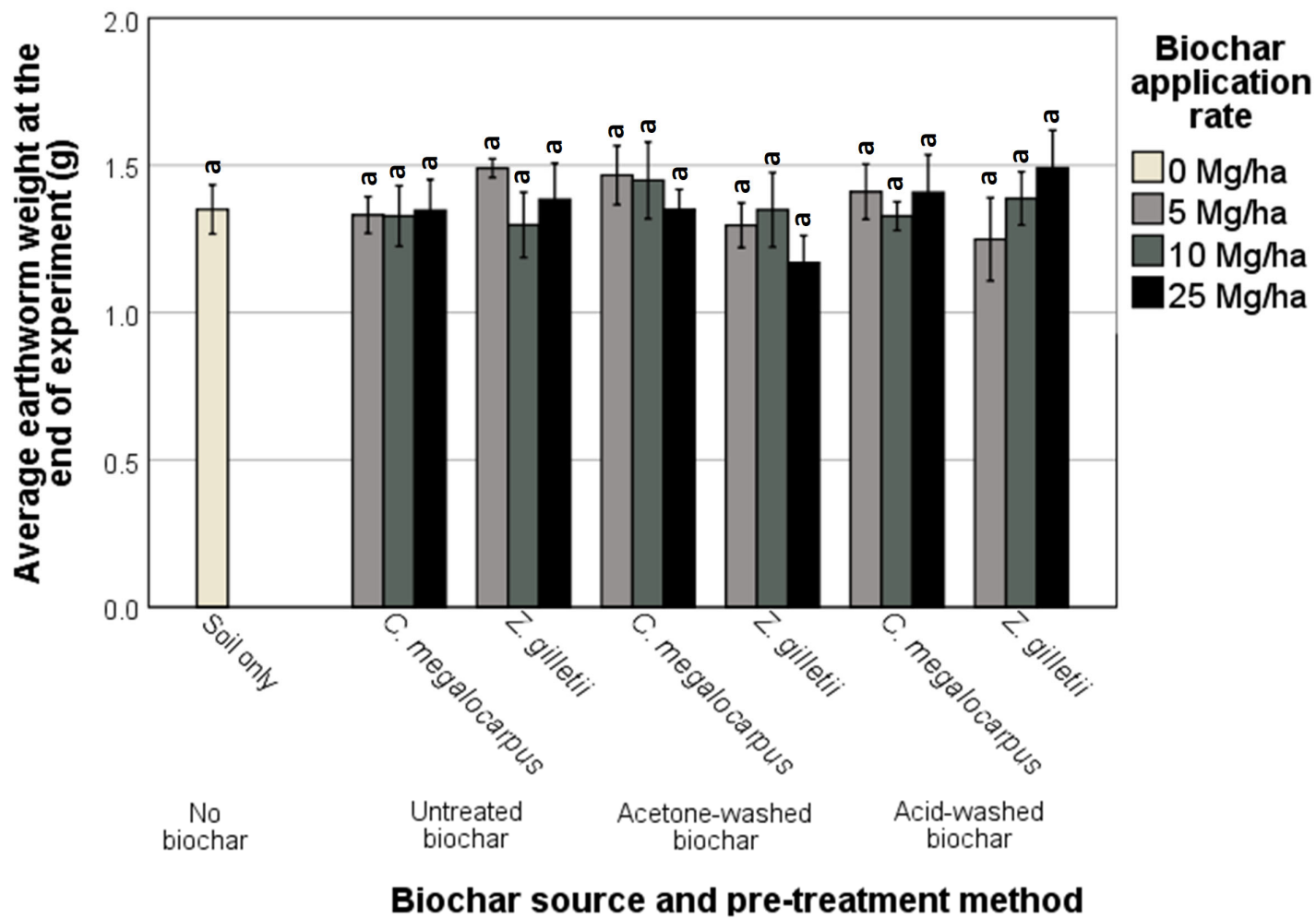


Fig. S2: Average weight of the earthworms at the end of experiment as affected by biochar type and amounts.