Application of Iron-Bimetal Biochar for As and Cd Reduction and Soil Organic Carbon Preservation Under Varying Moisture

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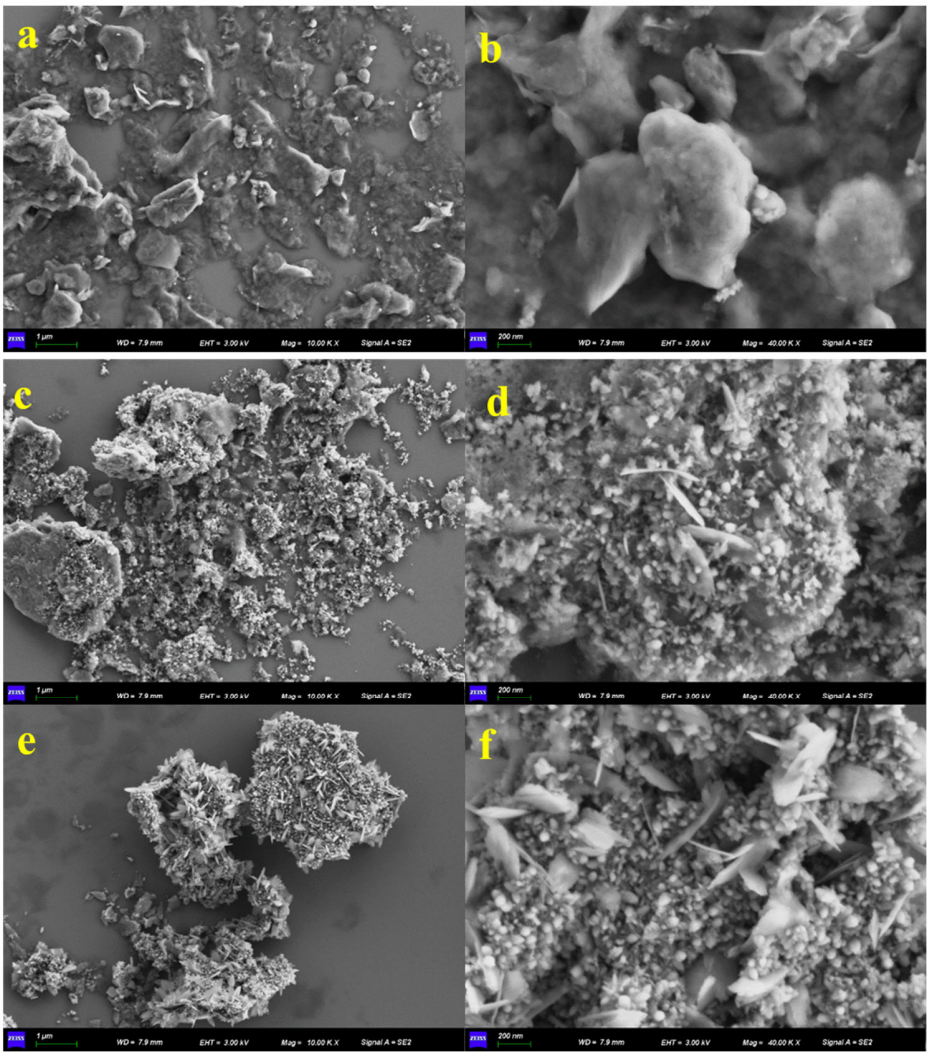


Figure S1 Scanning Electron Microscopy (SEM) images of RSB (a-b), RSB-Fe/Mn (c-d) and RSB-Fe/Mg (e-f). The magnification times of SEM images were 10K and 40K.

Table S1 Basic properties of the studied soils

Parameter	Value	Unit
Soil pH	4.40	-
Organic Matter	40.06	g kg^{-1}
Total Nitrogen (N)	2.42	g kg^{-1}
Total Phosphorus (P)	1.20	g kg^{-1}
Total Potassium (K)	16.92	g kg^{-1}
Total Arsenic (As)	69.02	mg kg^{-1}
Total Cadmium (Cd)	2.60	mg kg^{-1}
Alkali-hydrolysed Nitrogen	160	mg kg^{-1}
Available Phosphorus (P)	3.30	mg kg^{-1}
Available Potassium (K)	63.33	mg kg^{-1}
Cation Exchange Capacity (CEC)	9.30	meq/100g
Shannon Diversity Index	6.43	-
Clay Fraction	6.49	%
Silt Fraction	85.96	%
Sand Fraction	7.56	%
Soil Texture Class	Silt	-