



Article

Simultaneous Immobilization of Soil Cd(II) and As(V) by Fe-Modified Biochar

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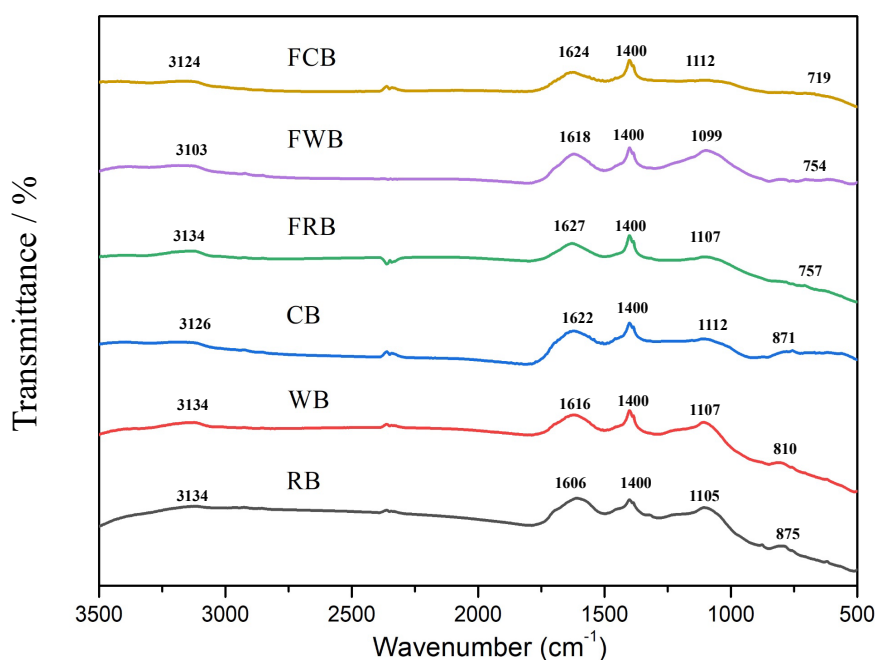


Figure S1. FTIR spectral data for pristine biochars (CB, RB, WB) and Fe modified biochars (FCB, FRB, FWB).

Table S1. Physicochemical properties of the Cd-As contaminated soil.

	pH	OM	TN	TP	Cd	As	Total Fe	Soil particle composition (%)		
		g/kg			mg/kg		g/kg	2-0.05mm	0.05–0.002mm	<0.002mm
Xianning soil, Hubei	4.86	29.5	1.81	0.39	2.15	243	22.1	9.86	65.7	24.4

Table S2. pH and element composition (wt, %) of three biochar with or without FeCl₃ modification.

	CB	WB	RB	FCB	FWB	FRB
pH	7.82	9.02	10.4	6.99	6.23	6.45
C	76.21	68.34	58.5	43.14	40.9	52.39
O	19.83	20.77	31.66	17.86	24.47	27.3
P	1.63	0.50	0.88	1.25	0.97	0.78
Si	0.41	8.68	7.55	0.73	4.31	6.17
Ca	0.78	0.63	0.55	2.09	0.65	0.19
Mg	0.37	0.45	0.17	0.00	0.06	0.02
Fe	0.13	0.10	0.12	34.24	28.1	12.32
Cd	0.49	0.43	0.40	0.20	0.65	0.28
As	0.13	0.10	0.18	0.49	0.30	0