

Electronic Supplementary Information: Surface-Modified Biochar with Polydentate Binding Sites for the Removal of Cadmium

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Table S1. X-ray photoelectron spectroscopy analysis of different types of cystamine-modified biochars.

Samples	S2p	N1s	O1s	C1s
CK	-	1.26	13.03	85.71
C _{0.25}	2.44	3.45	18.66	75.45
C _{0.50}	3.23	5.18	14.43	77.17
C _{0.75}	5.84	7.66	12.75	73.75
C _{1.00}	6.84	7.46	13.14	72.56
C _{1.25}	6.47	7.59	12.78	73.16

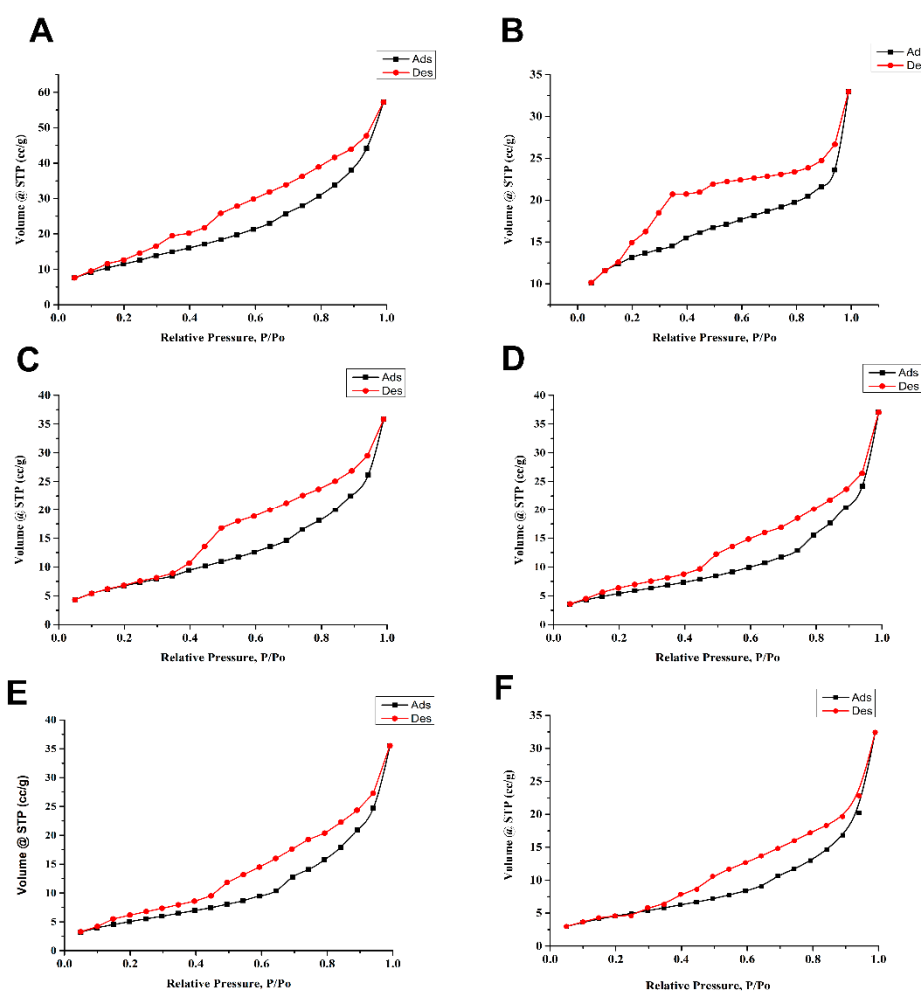


Figure S1. The nitrogen sorption (BET) curves of (A) CK, (B) C_{0.25}, (C) C_{0.5}, (D) C_{0.75}, (E) C_{0.5}, and (f) C_{1.25}.

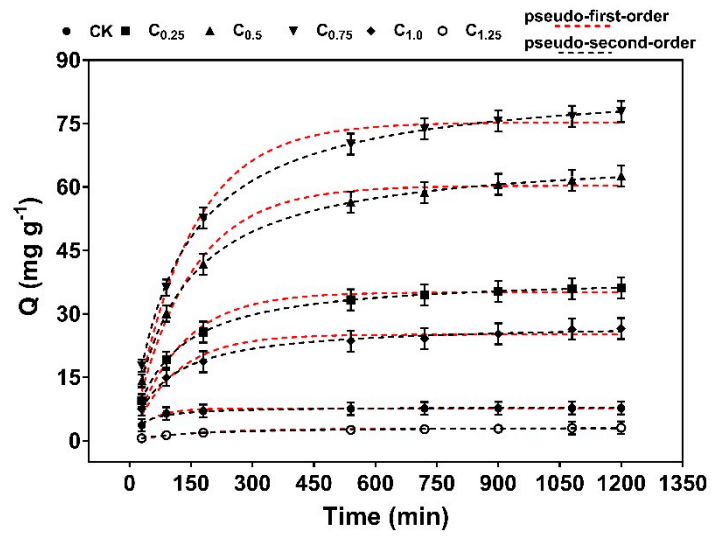


Figure S2. Kinetics adsorption fitting curves of the cystamine-modified biochars for Cd (II).