

Supplementary Material

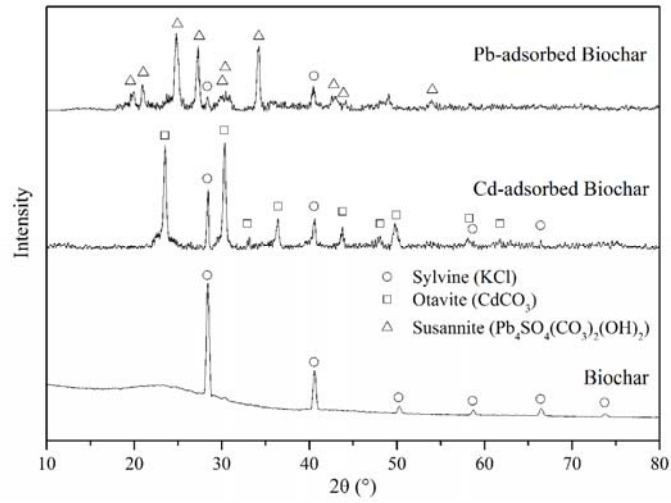


Fig. S1 XRD patterns of corn straw biochar before and after adsorbing Cd and Pb

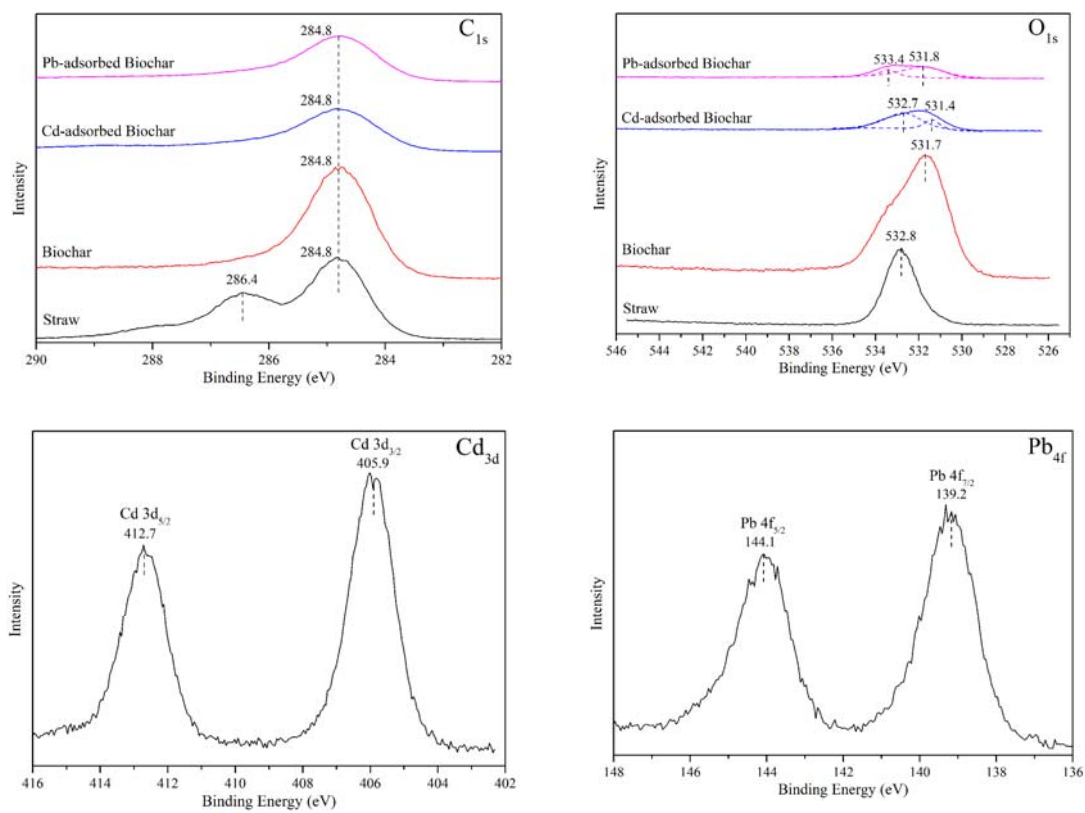


Fig. S2 XPS spectra of C_{1s} (a), O_{1s} (b) in straw and biochar before and after adsorbing Cd and Pb, Cd_{3d} (c) in biochar after adsorbing Cd, Pb_{4f} (d) in biochar after adsorbing Pb

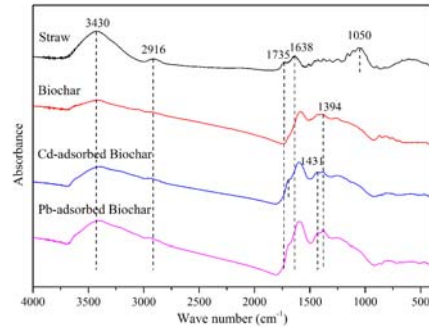


Fig. S3 FTIR spectra of straw and biochar before and after adsorbing Cd and Pb

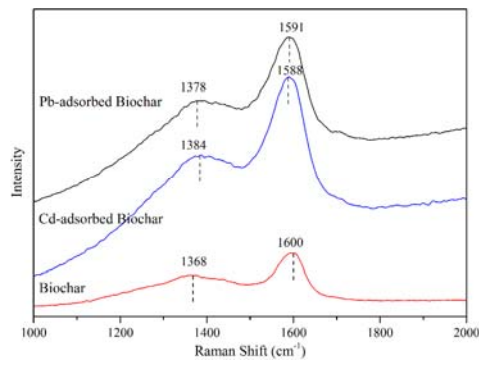


Fig. S4 Raman spectrum of corn straw biochar before and after adsorbing Cd and Pb

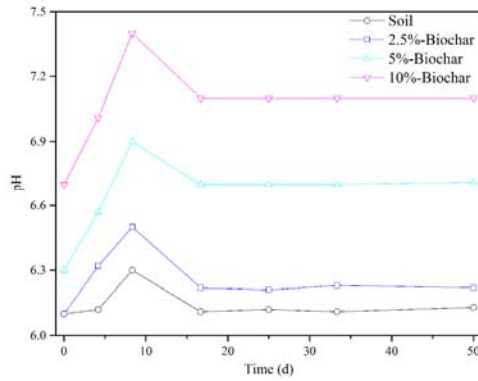


Fig. S5 Changes of pH values of soil after mixed with different ratios of biochar