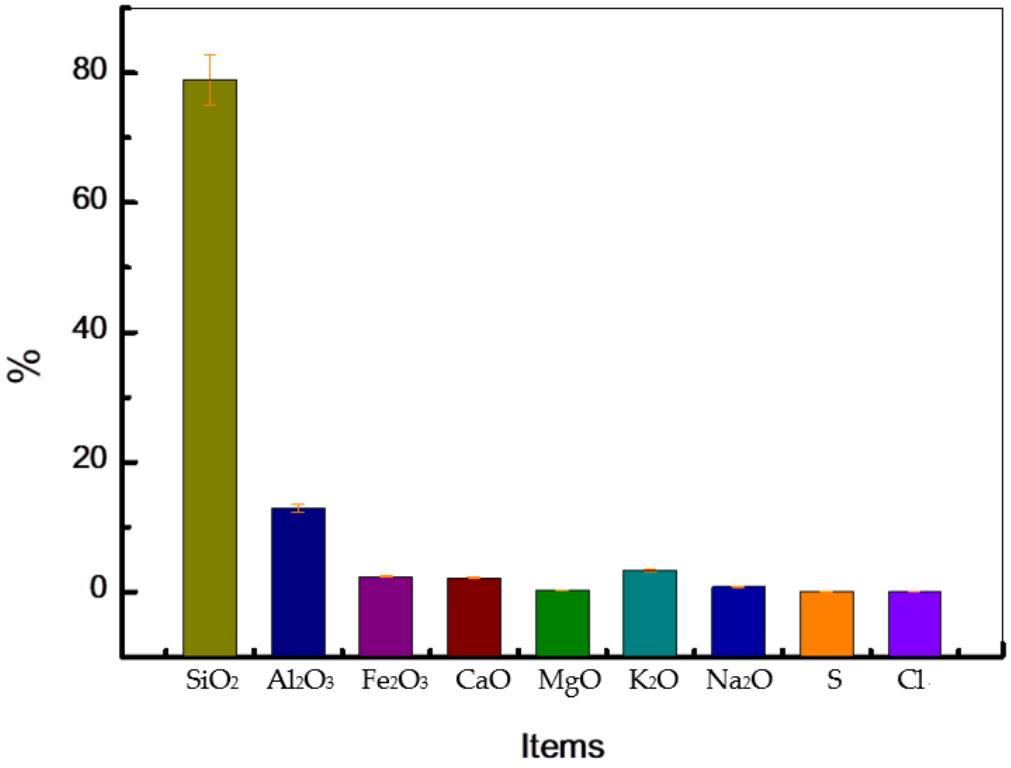
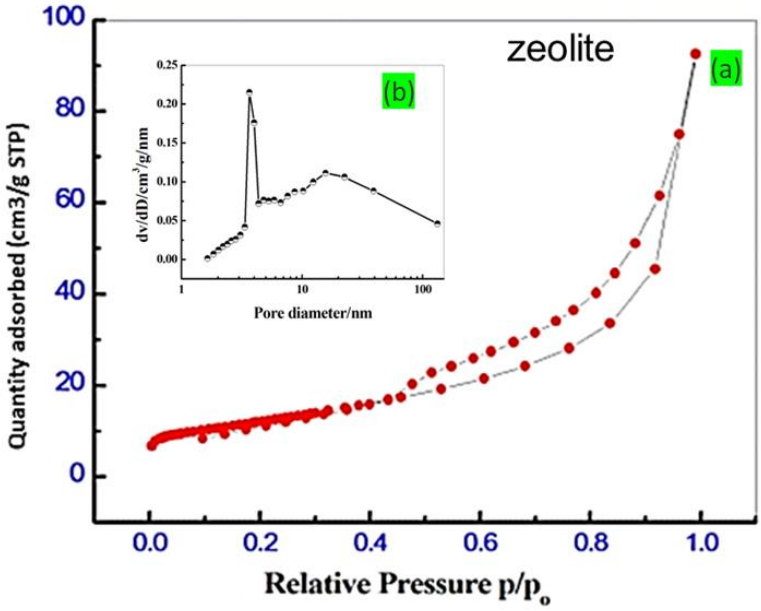


Figure S1. XRF analysis of the Zeolite sample.



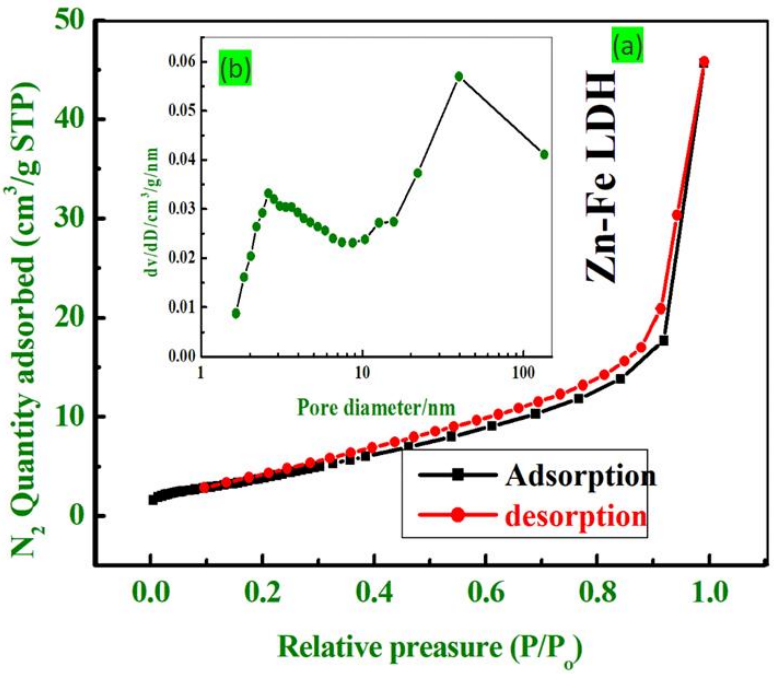
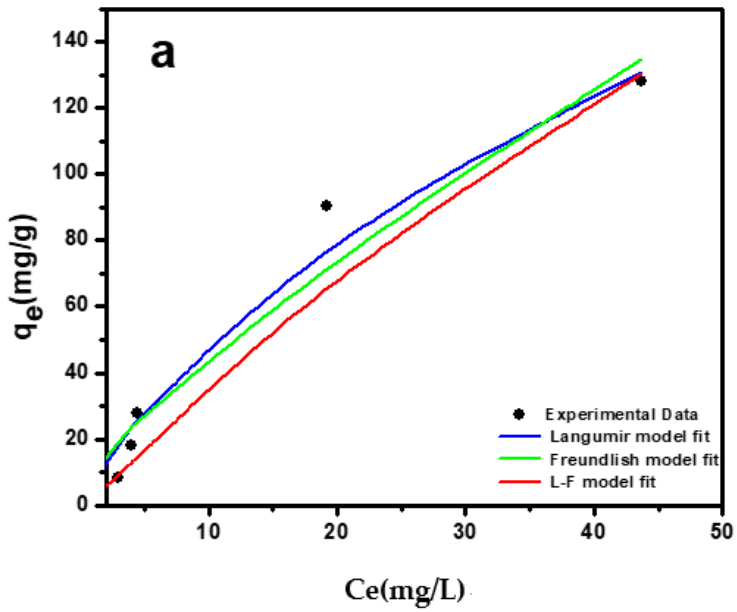
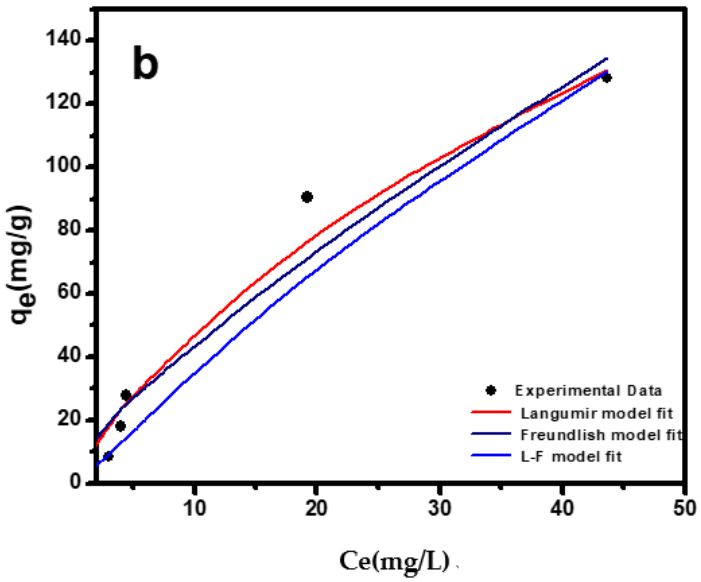


Figure S2. N_2 adsorption/desorption isotherms zeolite, Zn-Fe LDH (a) and the inset figures is BJH pore size distributions (b) for zeolite and Zn-Fe LDH.





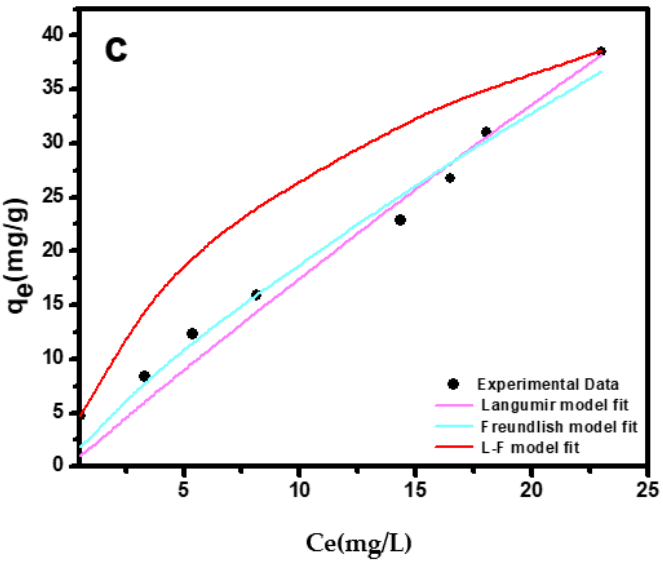


Figure S3. Experimental data for MB adsorption on Zn-Fe LDH (a) and MB adsorption on Zeolite (b) MB adsorption on Zeolite/LDH nanocomposite (c) fitted by the nonlinear isotherm models. The error bar for standard deviation reflects the replicate experiments.

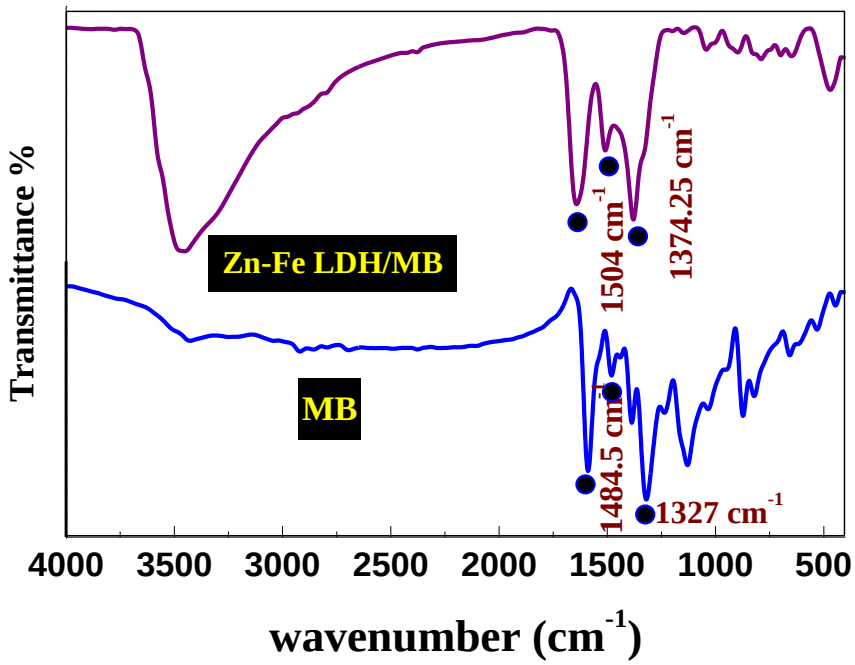


Figure S4. FTIR spectra for adsorption of MB on the LDH surface.