**Enhancement of Cd2+ removal on CuMgAl-Layered Double Hydroxide/Montmorillonite Nanocomposite: Kinetic, Isotherm, and Thermodynamic study**

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Fig. S1: (a) Effect of changing temperature on Cd2+ sorption, (b) Ln KT vs. 1/T Plot for the thermodynamic parameters determination

  

b

a

c

d

Fig. S2: Cd2+ Adsorption kinetics models (a) PFO; (b) PSO; (c) EIH; and (d) IPD at (at pH=5, dose=0.2g, and rpm=150, and 87μm)