Supplementary Information



Figure S1. Pseudo-second order kinetic plots for the sorption of La(III), Nd(III) and Yb(III) ions. ($C_i = 100 \text{ mg} \cdot \text{L}^{-1}$; T = 300 K; pH = 5).



Figure S2. Intraparticle diffusion kinetic plots for the sorption of La(III), Nd(III) and Yb(III) ions. ($C_i = 100 \text{ mg} \cdot \text{L}^{-1}$; T = 300 K; pH = 5).



Figure S3. Cont.



Figure S3. Langmuir plots for sorption of La(III), Nd(III) and Yb(III) ions at different temperatures.



Figure S4. Cont.



Figure S4. D-R isotherms plots for sorption of La(III), Nd(III) and Yb(III) ions at different temperatures.



Figure S5. Plot of the values of q_e of La(III), Nd(III) and Yb(III) ions as a function of temperature. (t = 4 h, pH = 5, m = 0.05 g, V = 20 mL).