

Figure S1. Plots of kinetic models for the adsorption of Cr³⁺ and Co²⁺ metal ions onto Fe₃O₄@TSC nanocomposite (a) Pseudo-first-order, (b) Pseudo-second-order and (c) Intra-particle diffusion models

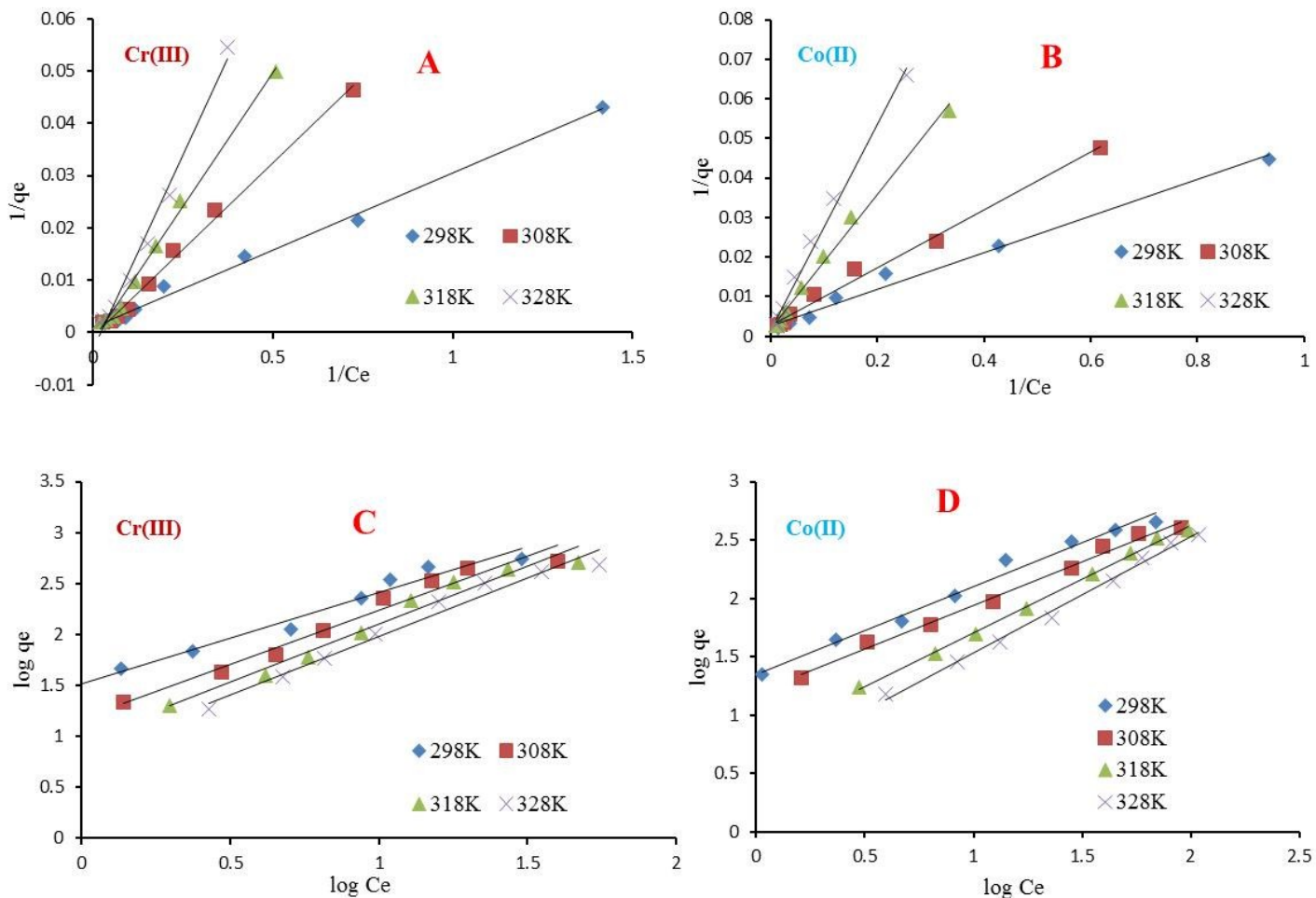


Figure S2. Plots of isotherm models for the adsorption of Cr³⁺ and Co²⁺ metal ions onto Fe₃O₄@TSC nanocomposite (A & B) Langmuir and (C&D) Freundlich isotherm models