

Supplementary Materials: pH-Triggered Interfacial Interaction of Kaolinite/Chitosan Nanocomposites with Anionic Azo Dye

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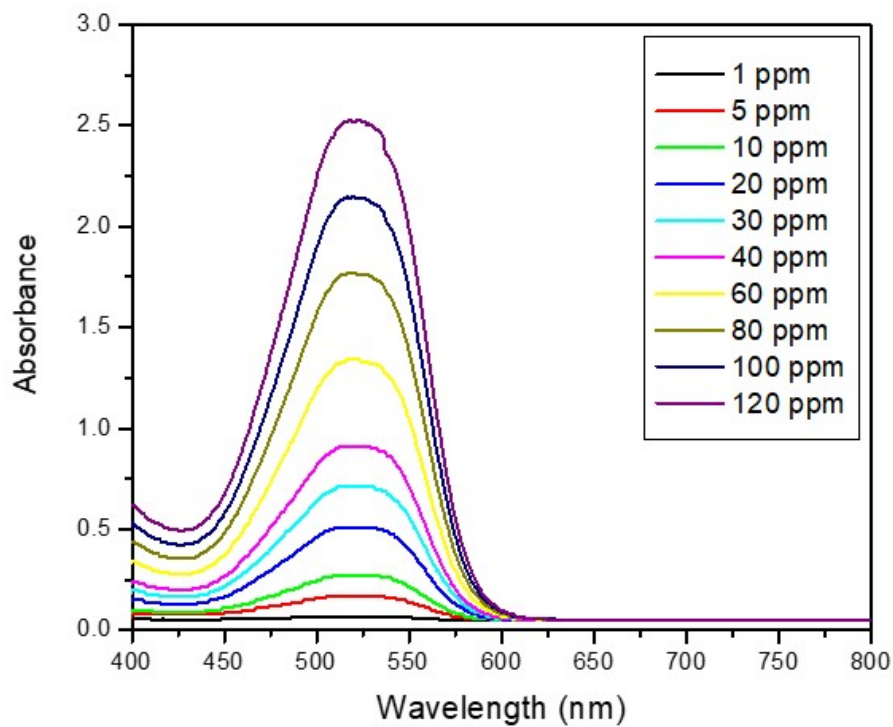


Figure S1. Visible spectra for aqueous solutions of Remazol Red (RR).

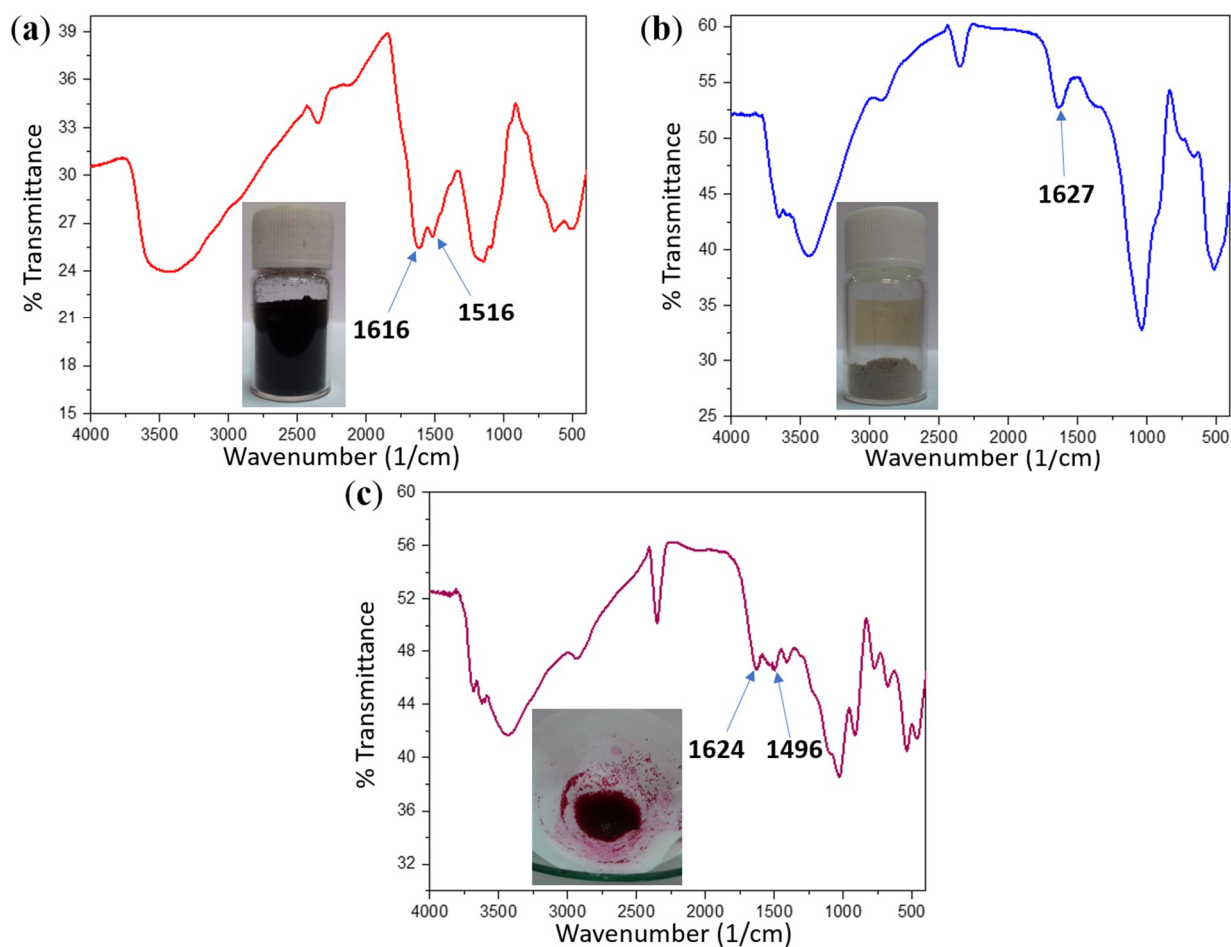


Figure S2. FTIR spectrum of (a) RR, (b) NK₈₀C₂₀, and (c) RR loaded NK₈₀C₂₀. Insets show photographs of the respective materials. The shifting of characteristic absorption bands strongly supports the interfacial electrostatic interaction between positively charged NK₈₀C₂₀ and anionic RR. Dye-loaded adsorbents were successfully isolated from the aqueous solution via filtration.

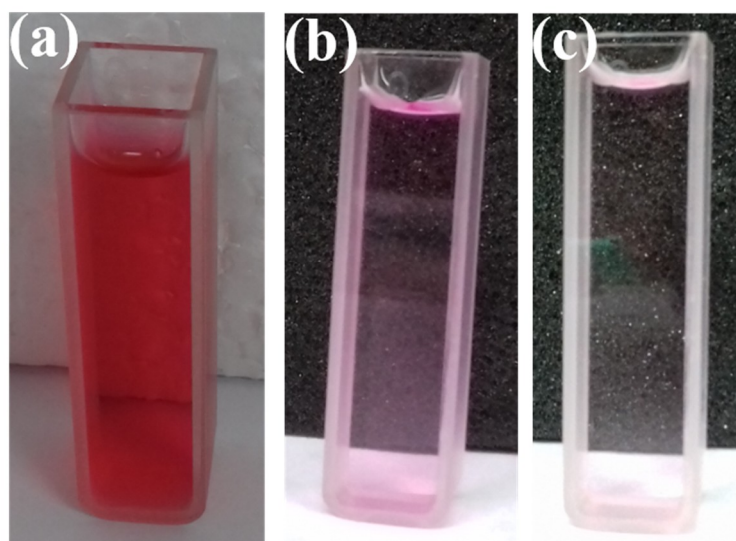


Figure S3. Image of (a) RR solution before adsorption, (b) RR solution after adsorption by Chitosan, and (c) RR solution after adsorption by NK₈₀C₂₀.