

Supplementary Information

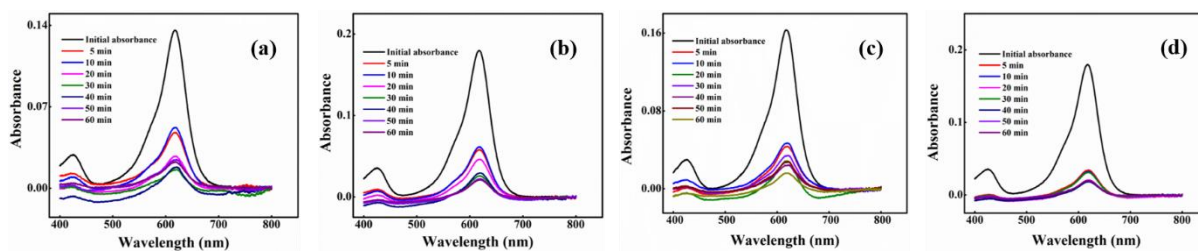


Figure S1. UV-Vis spectra for adsorption of MG when CNSs of different carbonization temperature were used (a) 400 °C (b) 600 °C (c) 800 °C (d) 1000 °C

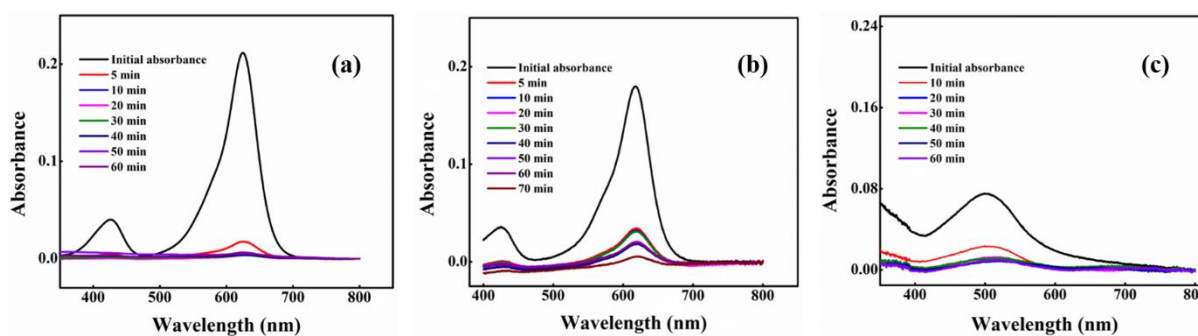


Figure S2. UV-Vis spectra for adsorption of dyes as function of contact time (a) BG (b) MG (c) CR

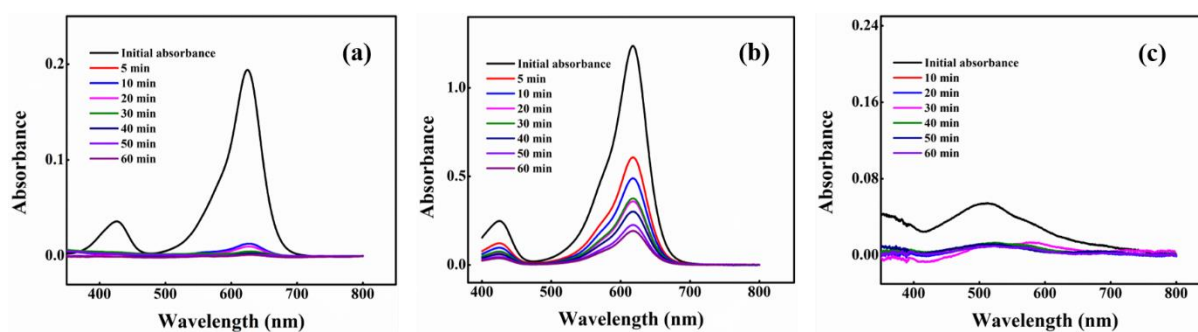


Figure S3. UV-Vis spectra for adsorption of dyes as function of contact time when 0.5 mg of adsorbent dosage was taken (a) BG (b) MG (c) CR

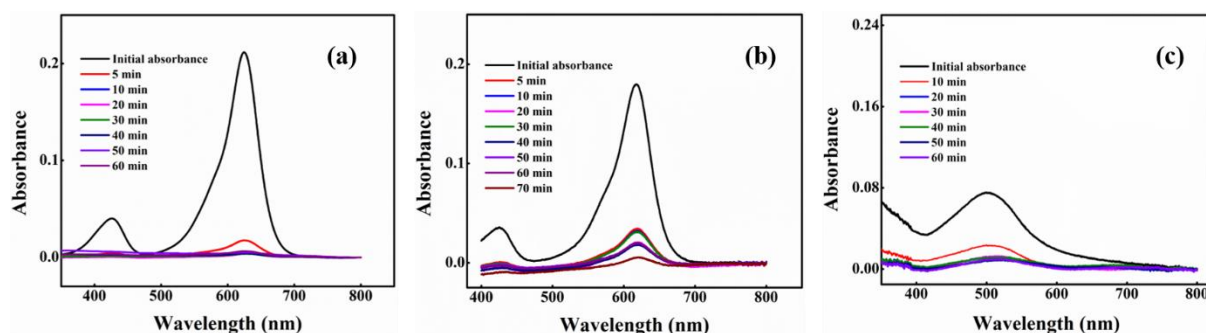


Figure S4. UV-Vis spectra for adsorption of dyes as function of contact time when 1 mg of adsorbent dosage was taken (a) BG (b) MG (c) CR

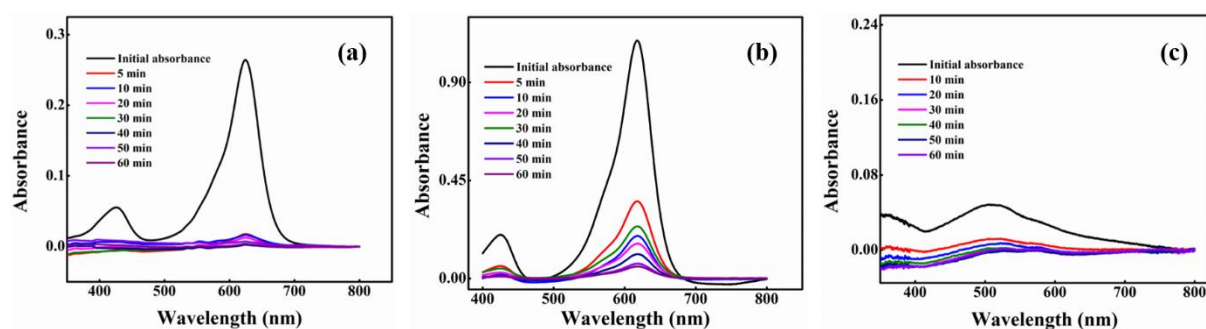


Figure S5. UV-Vis spectra for adsorption of dyes as function of contact time when 1.5 mg of adsorbent dosage was taken (a) BG (b) MG (c) CR

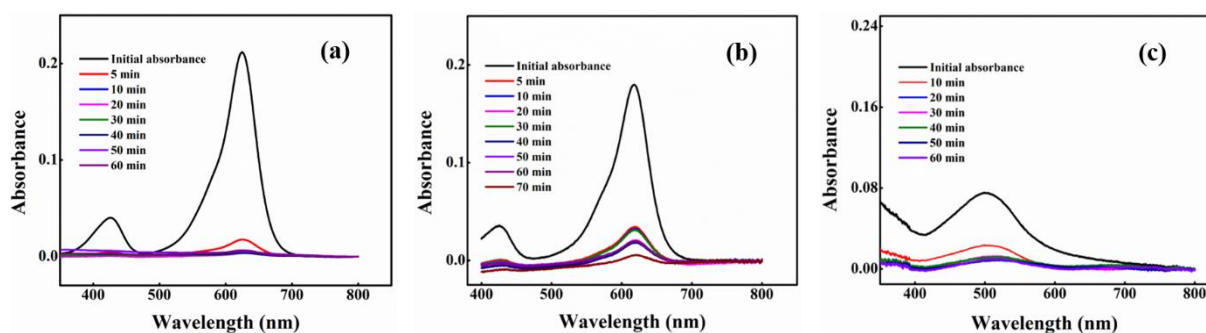


Figure S6. UV-Vis spectra for adsorption of dyes as function of contact time when 10 μ M initial concentration was considered (a) BG (b) MG (c) CR

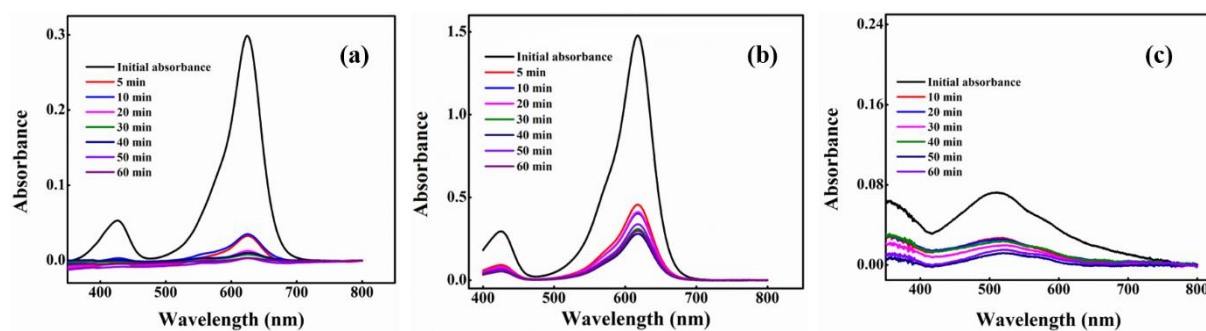


Figure S7. UV-Vis spectra for adsorption of dyes as function of contact time when 15 μM initial concentration was considered (a) BG (b) MG (c) CR

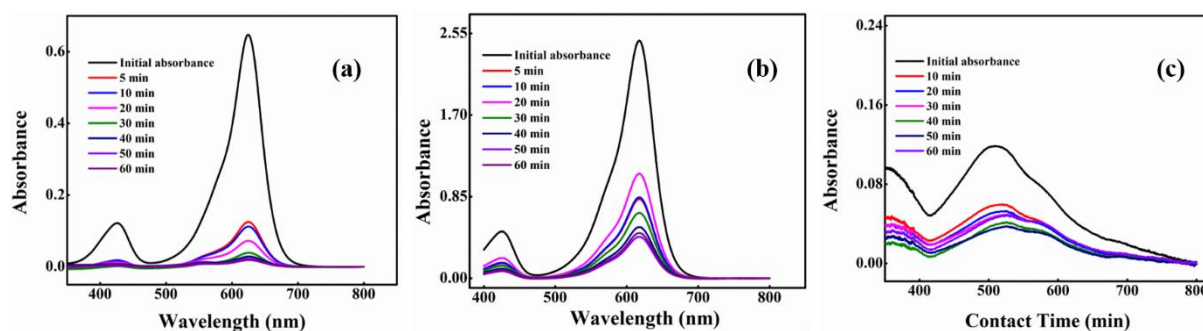


Figure S8. UV-Vis spectra for adsorption of dyes as function of contact time when 20 μM initial concentration was considered (a) BG (b) MG (c) CR

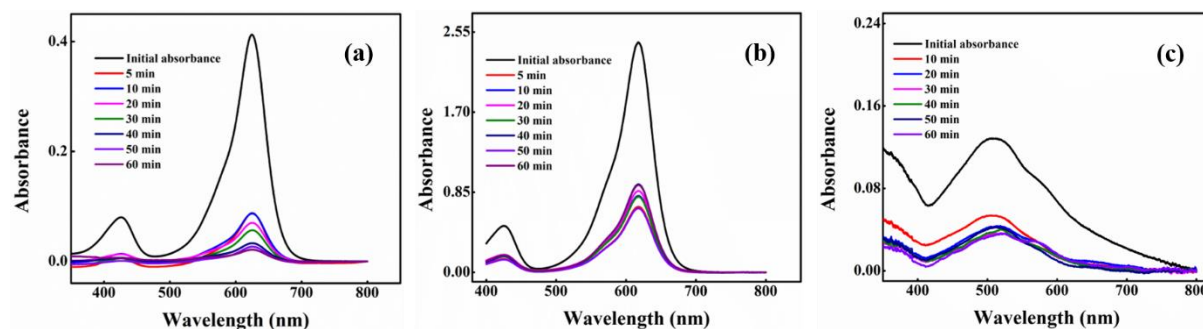


Figure S9. UV-Vis spectra for adsorption of dyes as function of contact time when 25 μM initial concentration was considered (a) BG (b) MG (c) CR

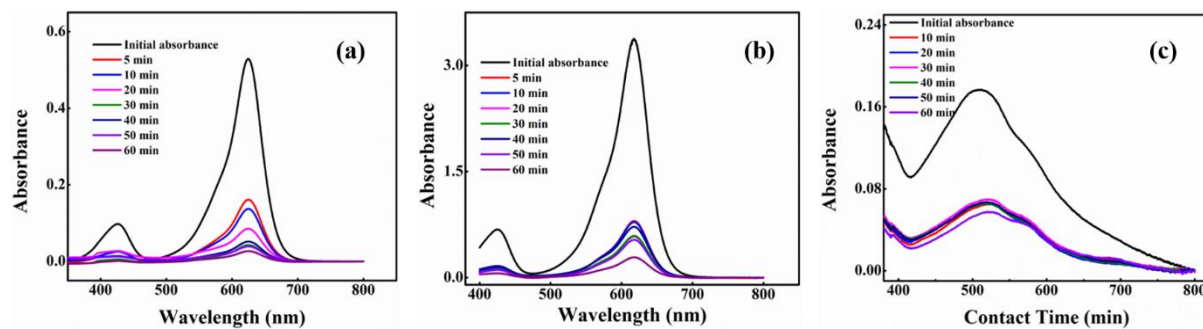


Figure S10. UV-Vis spectra for adsorption of dyes as function of contact time when 30 μM initial concentration was considered (a) BG (b) MG (c) CR

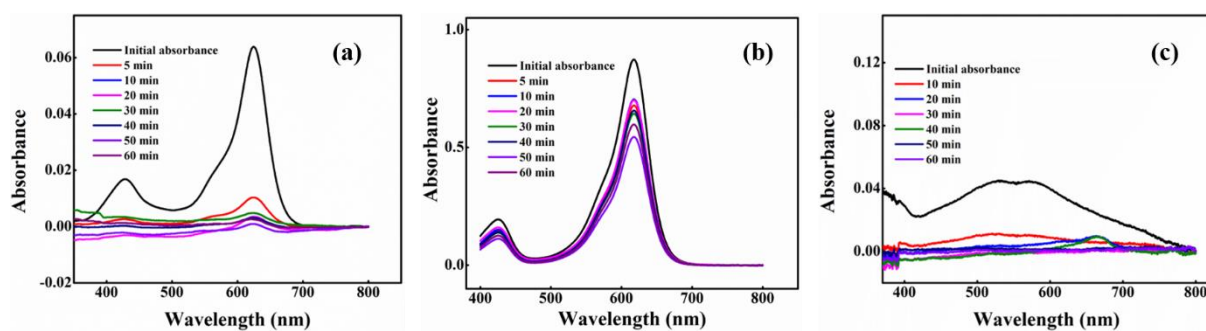


Figure S11. UV-Vis spectra for adsorption of dyes as function of contact time at acidic pH (a) BG (b) MG (c) CR

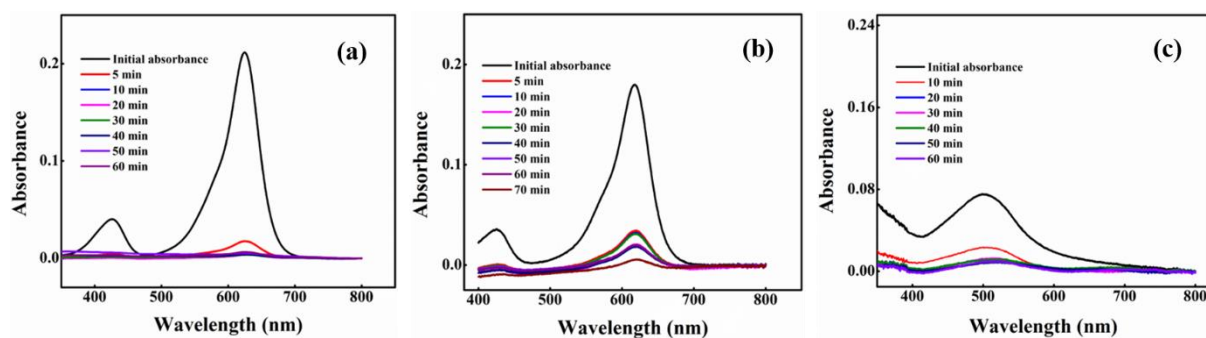


Figure S12. UV-Vis spectra for adsorption of dyes as function of contact time at native pH (a) BG (b) MG (c) CR

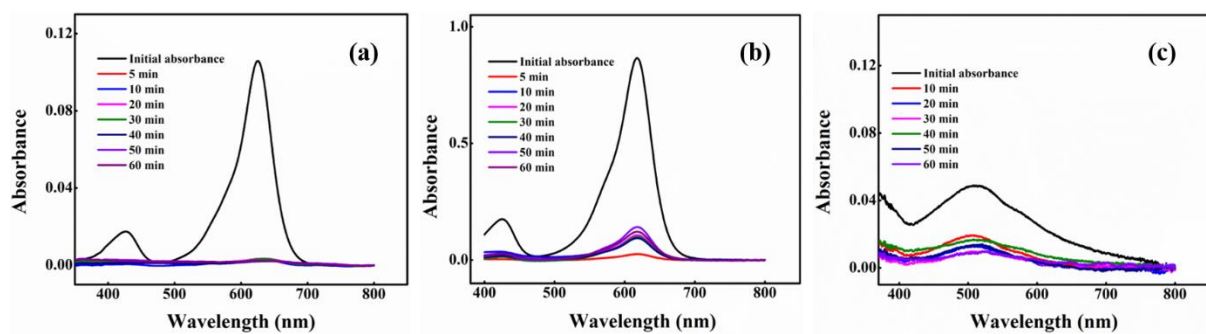


Figure S13. UV-Vis spectra for adsorption of dyes as function of contact time at basic pH (a) BG (b) MG (c) CR