

Supporting Information

Synthesis of Magnetic Graphene Oxide-Containing Nanocomposite Hydrogels for Adsorption of Crystal Violet from Aqueous Solution

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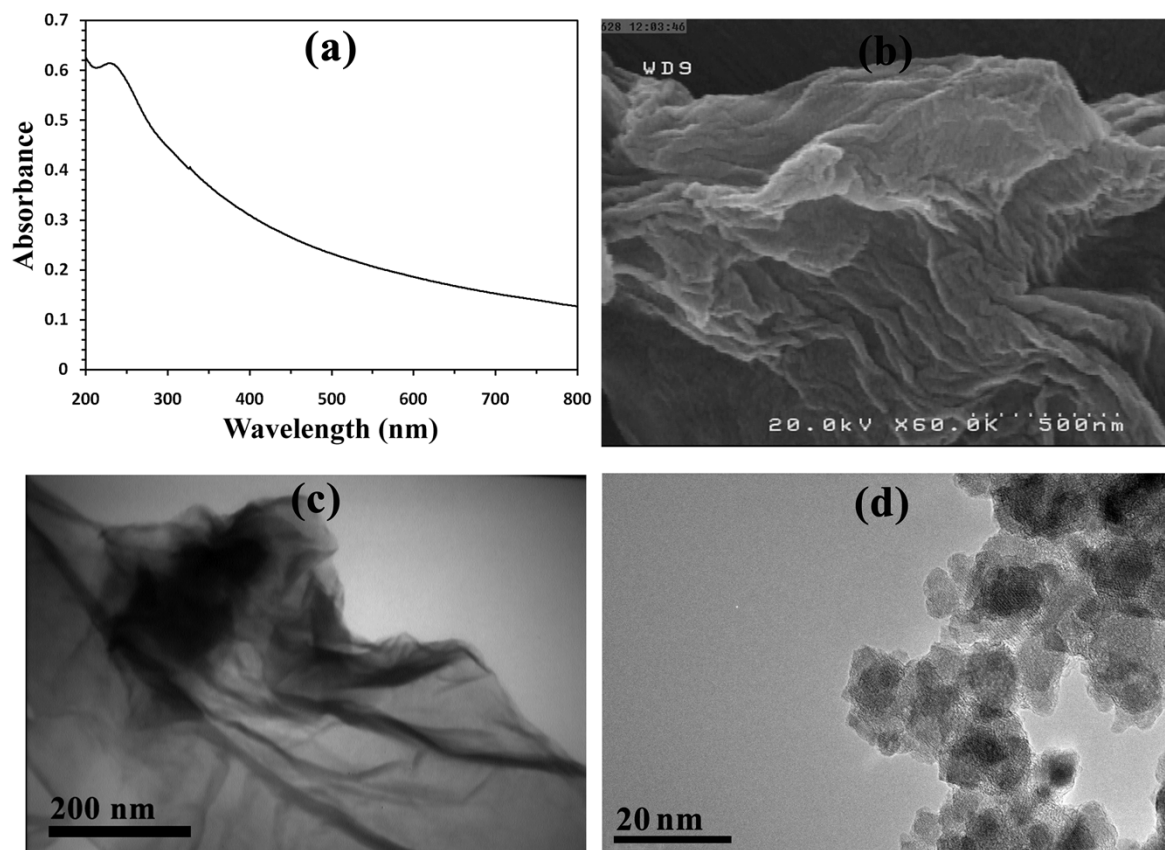


Fig. S1 UV-vis spectrum (a) and SEM image (b) of GO. TEM image of GO (c) and MNP@SiO₂ (d)

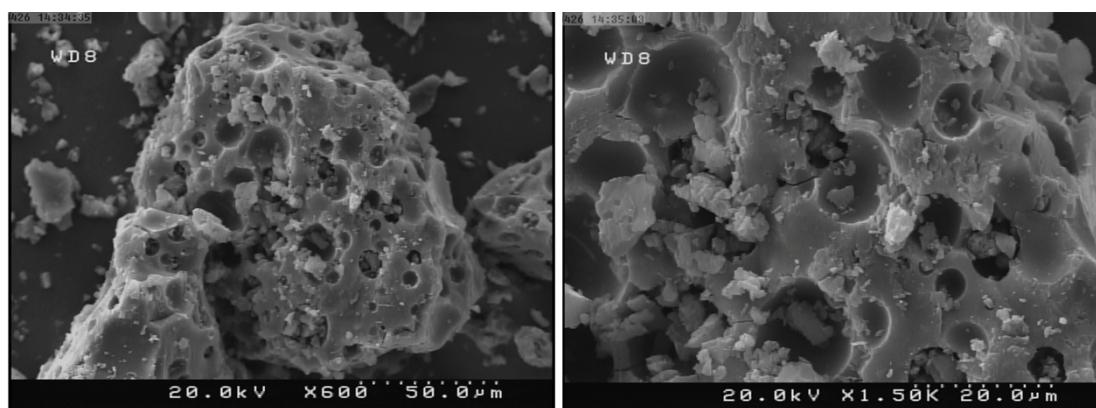


Fig. S2 SEM images of hydrogel nanocomposite

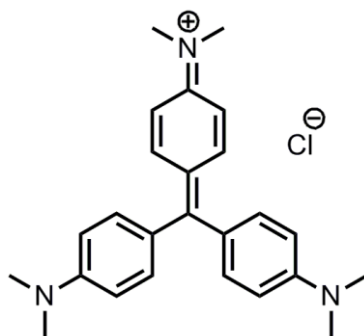


Fig. S3 Structure of crystal violet

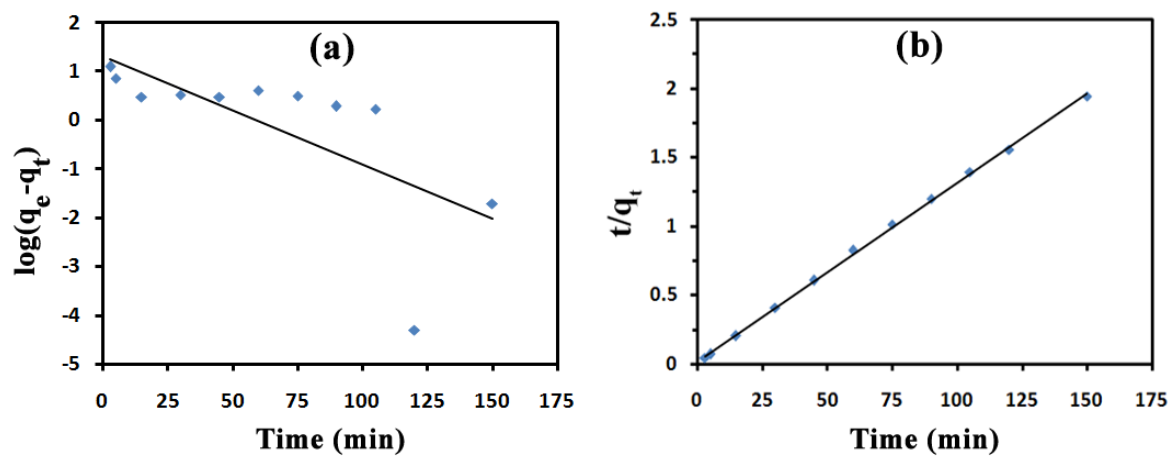


Fig. S4 Plot of pseudo-first-order (a) and pseudo-second-order (b) kinetic model

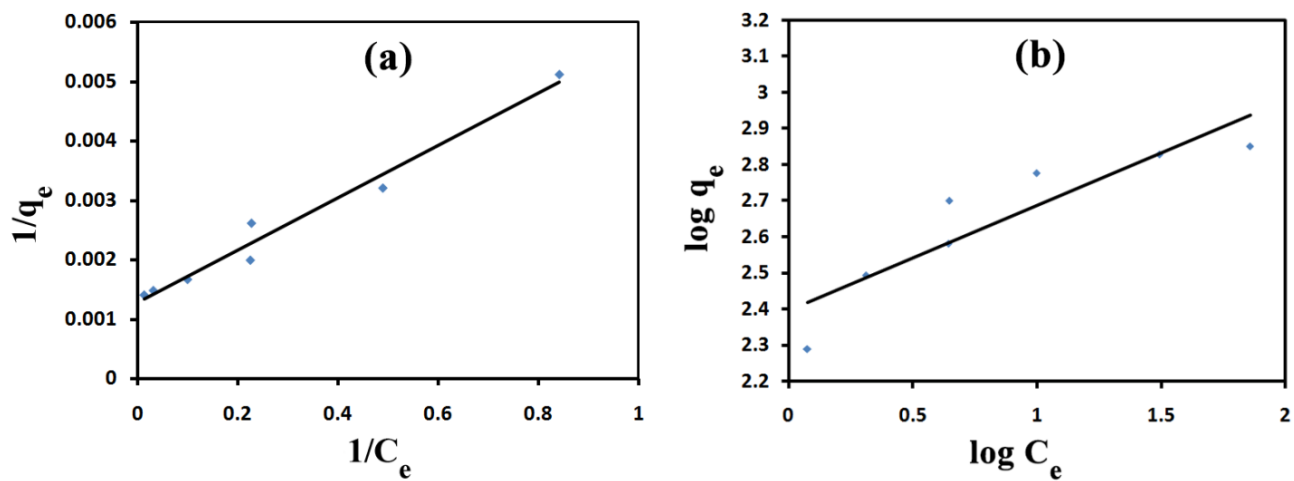


Fig. S5 Plot of Langmuir (a) and Freundlich (b) adsorption isotherm

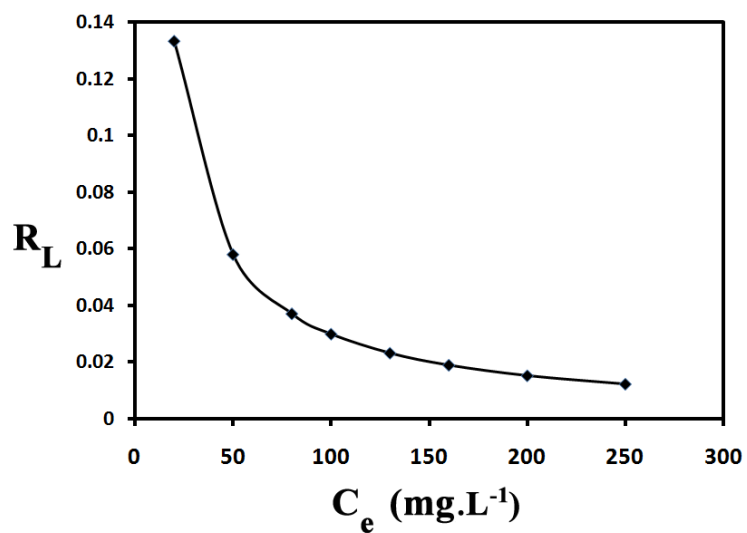


Fig. S6 Plot of equilibrium parameter (R_L) versus initial concentration of CV