Supporting Information

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

Ali Pourjavadi*, Mojtaba Nazari, Seyed Hassan Hosseini

Polymer Research Laboratory, Department of Chemistry, Sharif University of Technology, Tehran, Iran

E-mail address: purjavad@sharif.edu Phone/fax: (982)166165311
Fig. S1 UV-vis spectrum (a) and SEM image (b) of GO. TEM image of GO (c) and MNP@SiO$_2$ (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