**Amine and Sulfonic Acid Functionalized Mesoporous Silica as an Effective Adsorbent for Removal of Methylene Blue from Contaminated Water**



**Figure 1S.** Langmuir and Freundlich isotherms of MB adsorption onto (a, b) [N-MSNs]-S, (c, d) [N-MSNs]-S [Na] and (e, f) [S-MSNs]-S[Na], respectively.



**Figure 2S**: pseudo first order and pseudo second order of MB adsorption onto (a, b) [N-MSNs]-S, (c, d) [N-MSNs]-S [Na] and (e, f) [S-MSNs]-S[Na], respectively.

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**Figure 3S.** Adsorption/desorption cycles for removal methylene blue from aqueous solution by fabricated nanoparticles: (a) [N-MSNs]-S and (b) [S-MSNs]-S.

Figure 1: pseudo first order and pseudo second order of MB adsorption onto (a, b) [N-MSNs]-S, (c, d) [N-MSNs]-S [Na] and (e, f) [S-MSNs]-S[Na], respectively.