

### Supplementary information

#### Nano scale water soluble self-assembled zero-valent iron: Role of stabilizers on their morphology

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Fig.1S.

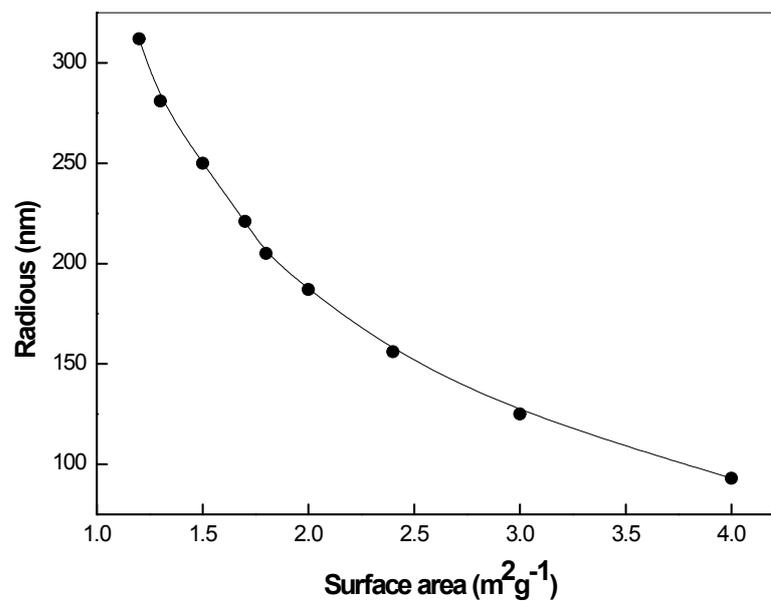


Fig.1S. Plot of radius versus surface area of CTAB capped FeNPs.

Fig. 2S.

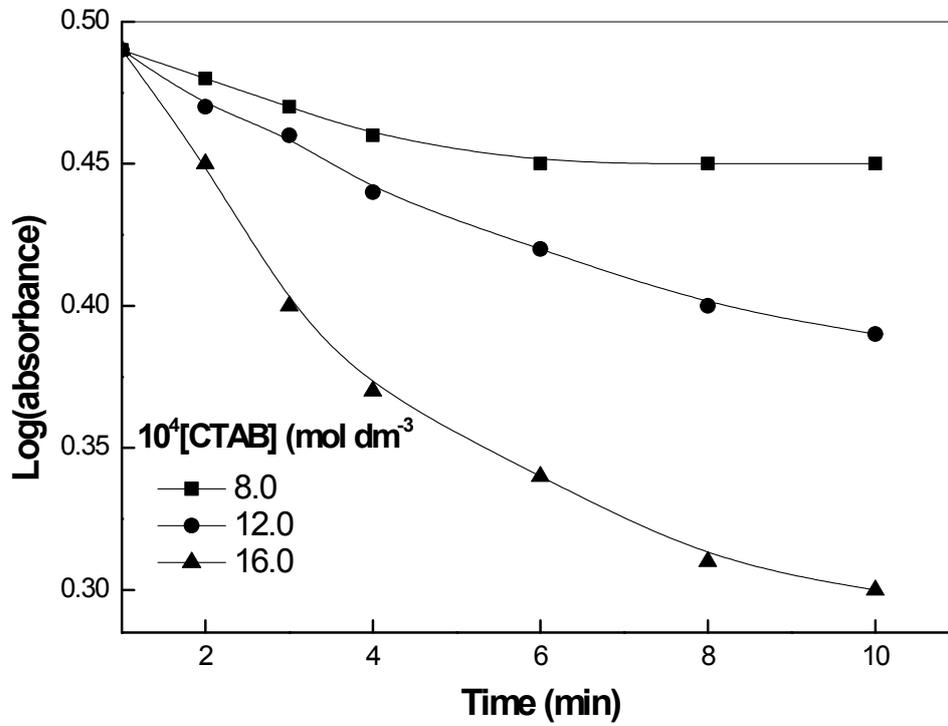
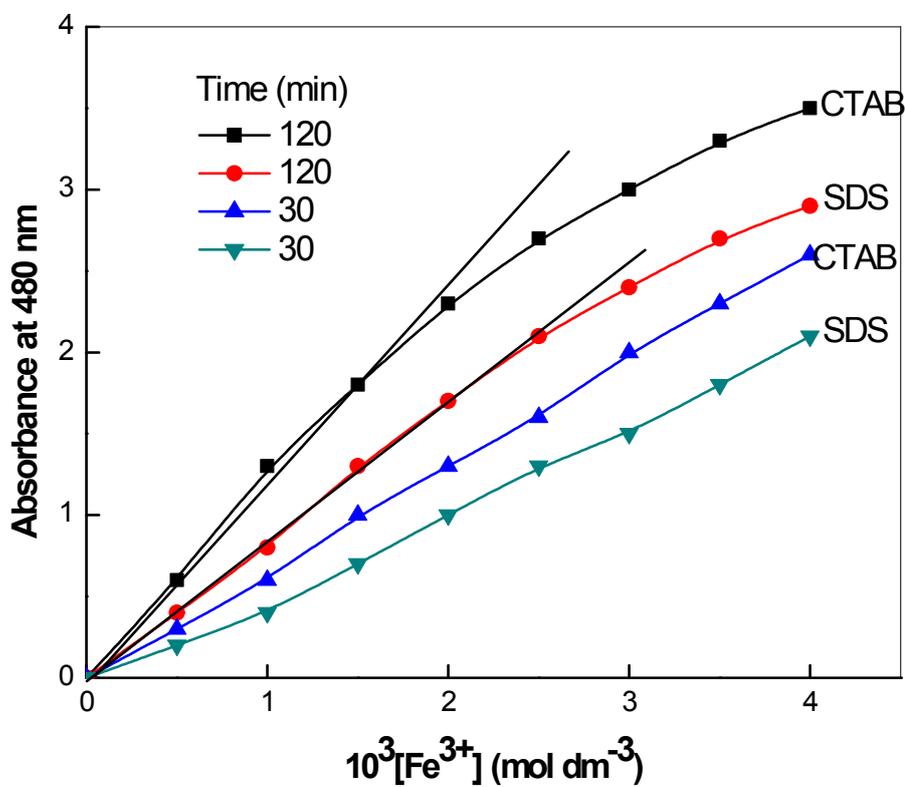


Fig.2S. Plots of log absorbance versus time to the formation of CTAB capped FeNPs.

Fig. 3S.



**Fig. 3S.** The Beer-Lambert plots to the formation of Fe-nanoparticles as a function of time. *Reaction conditions:*  $[\text{NaBH}_4] = 6 \times 10^{-3} \text{ mol dm}^{-3}$ ,  $[\text{SDS}] = 8.0 \times 10^{-3} \text{ mol dm}^{-3}$ ,  $[\text{CTAB}] = 20.0 \times 10^{-4} \text{ mol dm}^{-3}$ .