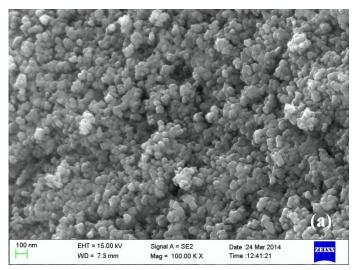
Supplementary Data

Studies on drastic improvement of photocatalytic degradation of acid orange -74 dye by TPPO capped CuO nanoparticles in tandem with suitable electron capturing agents

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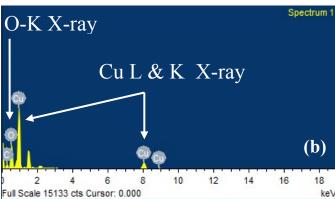


Fig.S1

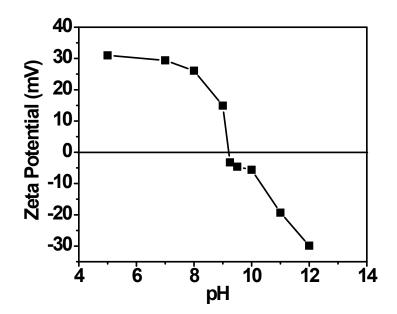


Fig. S2

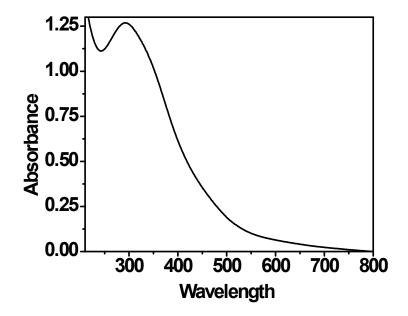


Fig. S3(a)

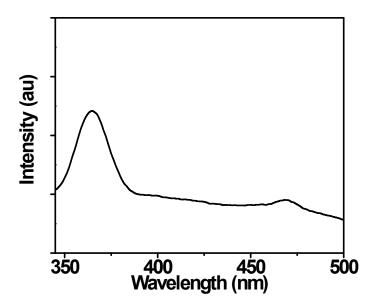


Fig. S3(b)

SUPPLEMENTARY FIGURE CAPTION

Fig. S1 Scanning electron microscope (SEM) of TPPO capped CuO NPs; (b) EDAX spectrum of TPPO capped CuO NPs showing characteristic K and L X-rays of Cu and O.

Fig. S2 Zeta potential (ζ) of TPPO capped CuO nanoparticles at different pH.

Fig. S3(a) UV-Vis absorption spectra of TPPO capped CuO NPs showing λ_{max} at 290 nm, respectively.

Fig. S3(b) Fluorescence emission spectra of CuO@TPPO NPs measured at λ_{ex} 300 nm