Supporting Figure S1. TEM Images of metal nanoparticles containing P(MAc) microgels (a) P(MAc)-Ni (b) P(MAc)-Cu and (c) P(MAc)-Co and (d) Thermograms of bare and composite microgels.
Supporting Figure S2. UV-Visible spectra of reduction of 2-NP (a) in the absence and (b) presence of p(MAc)-Cu composites, and for the reduction of 4-NA (c) in the absence (d) and presence of p(MAc)-Cu composites at 30°C.
Supporting Figure S3. Catalytic performances of p(MAc)-Cu composites for the reduction of nitro aromatic compounds at 30°C under same reaction conditions.
Supporting Figure S4. (a) Plots of $\ln\left(\frac{C_t}{C_0}\right)$ vs time for the reduction of 4-NP catalyzed by p(MAc)-Cu microgel composite at different temperatures, and (b) plot of $\ln k_{app}$ vs 1/T, and (c) plot of $\ln(\frac{k_{app}}{T})$ vs 1/T.
Supporting Figure S5. Change in values of $k_{app}$ with the change in amount of reducing agent during the reduction of 4-NP.
Supporting Figure S6. Plot of \( \ln \left( \frac{C_t}{C_0} \right) \) vs time for the catalytic degradation of Methyl Orange by p(MAc)-M (M: Cu, Co and Ni) microgel composite system.