

## Supplementary

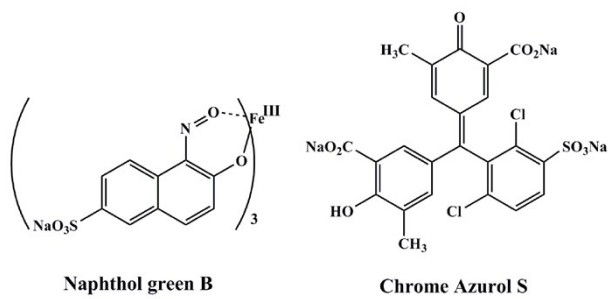
### **A new functionalized magnetic nanocomposite of poly (methylacrylate) for the efficient removal of anionic dyes from aqueous media**

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**Fig. S1** Structure of dyes

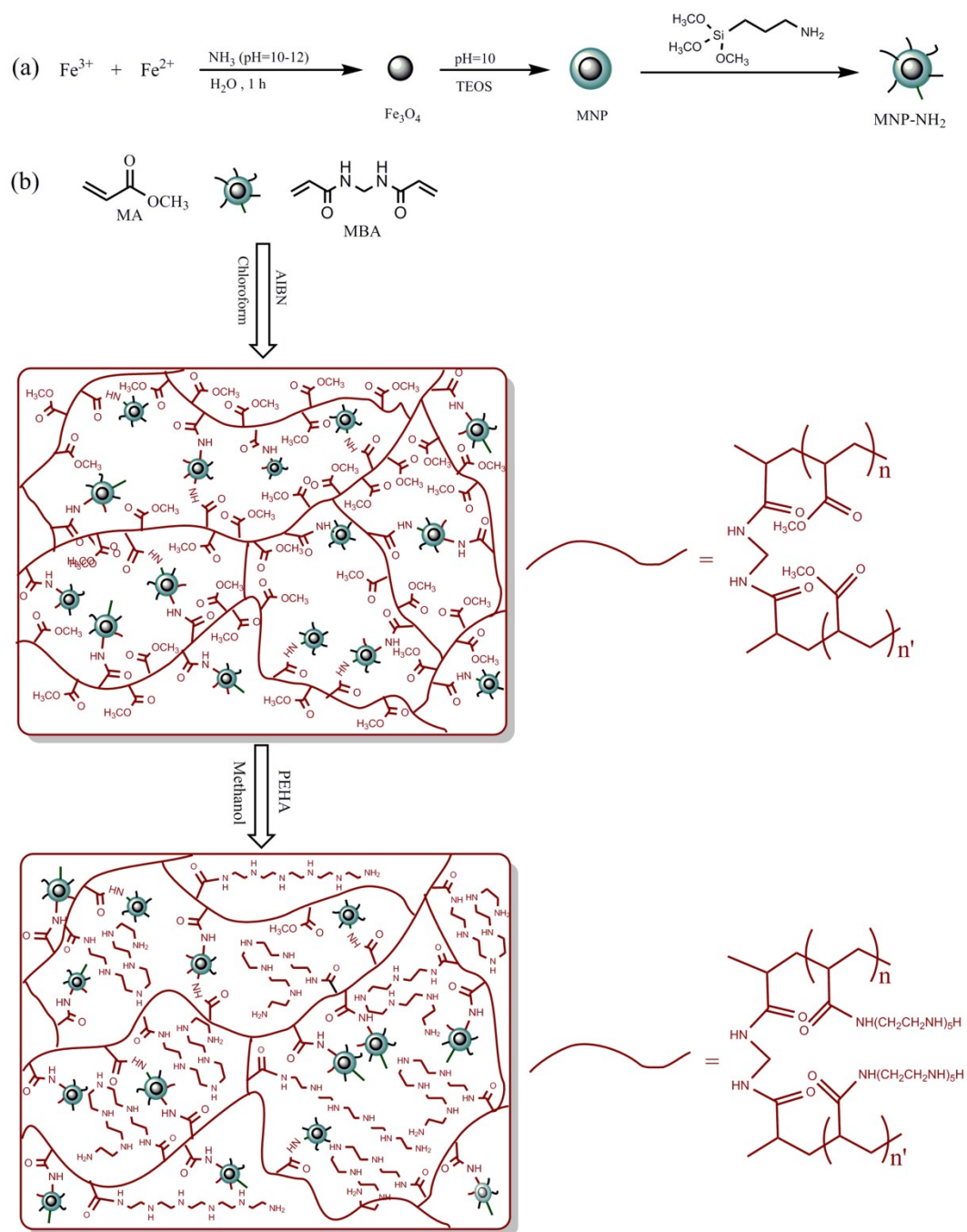
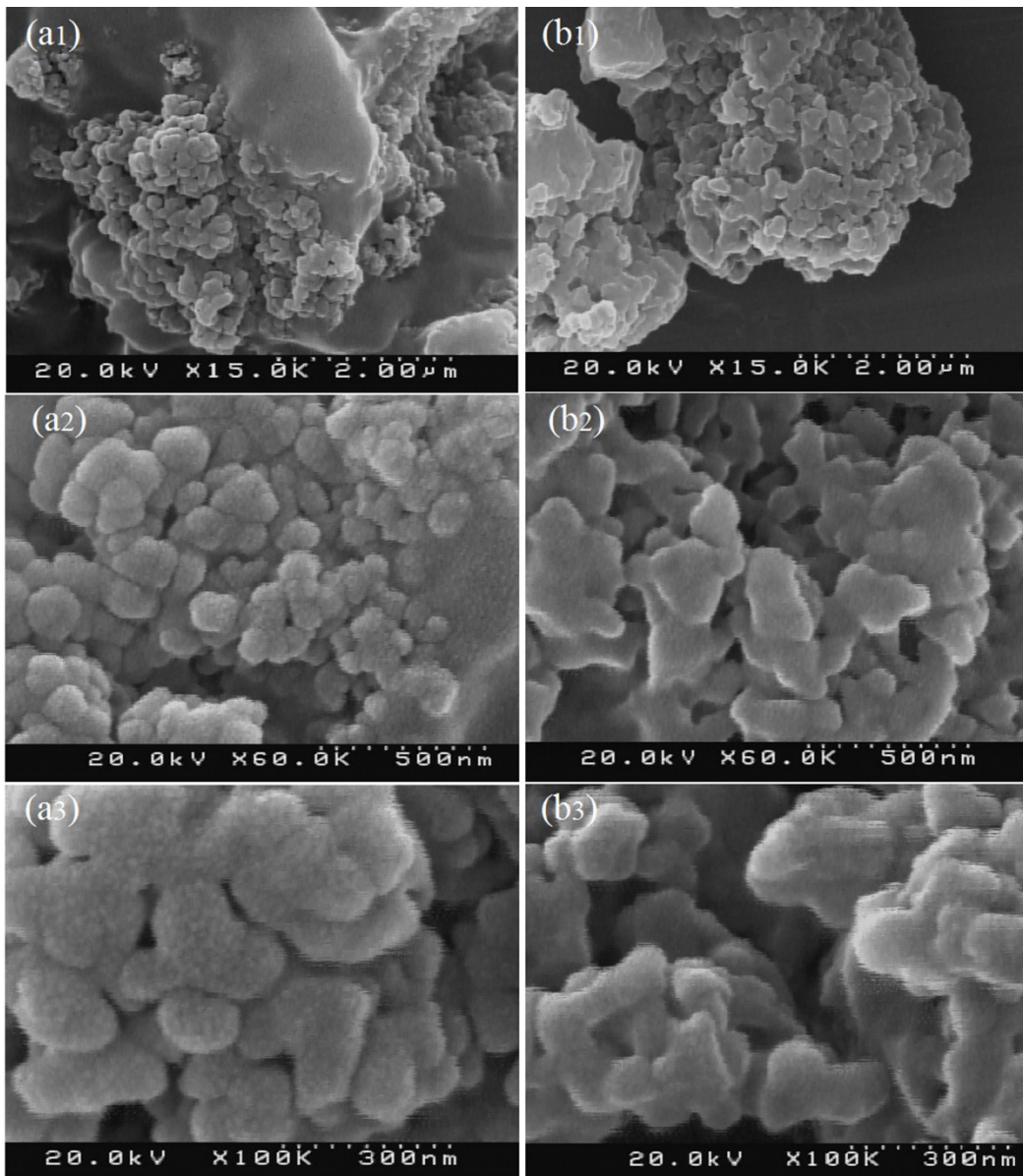
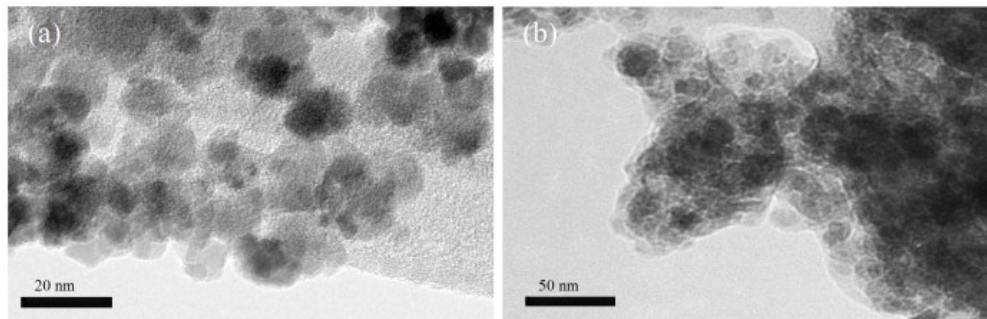


Fig. S2 Preparation of MPM-PEHA nanocomposite



**Fig. S3** SEM images of MPM (a1, a2 and a3) and MPM-PEHA nanocomposite (b1, b2 and b3) at different magnification



**Fig. S4** TEM images of Fe<sub>3</sub>O<sub>4</sub> (a) and MPM-PEHA nanocomposite (b)