

Supporting Information

**Application of hydrophobically modified water-soluble polymers
for the dispersion of hydrophobic magnetic nanoparticles
in aqueous media**

Zacharoula Iatridi¹, Violetta Georgiadou², Melita Menelaou², Catherine Dendrinou-Samara^{2*} and Georgios Bokias^{1*}

¹. *Department of Chemistry, University of Patras, GR-26504 Patras, Greece*

². *Department of Chemistry, Aristotle University of Thessaloniki, GR-54124*

Thessaloniki, Greece

*Corresponding Authors

C. Dendrinou-Samara, Phone (+30) 2310-997876; Fax (+30) 2310-997876; E-mail samkat@chem.auth.gr

G. Bokias, Phone (+30) 2610-997102; Fax (+30) 2610-997122; E-mail bokias@upatras.gr

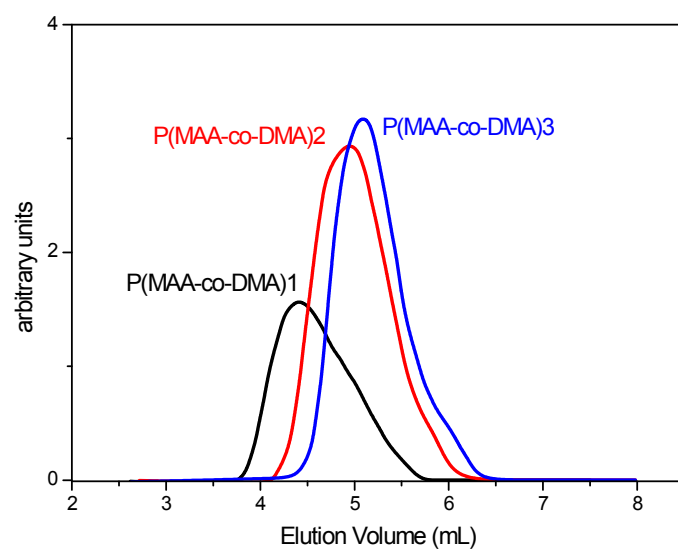


Fig. S1. GPC traces of P(MAA-co-DMA) copolymers in THF.

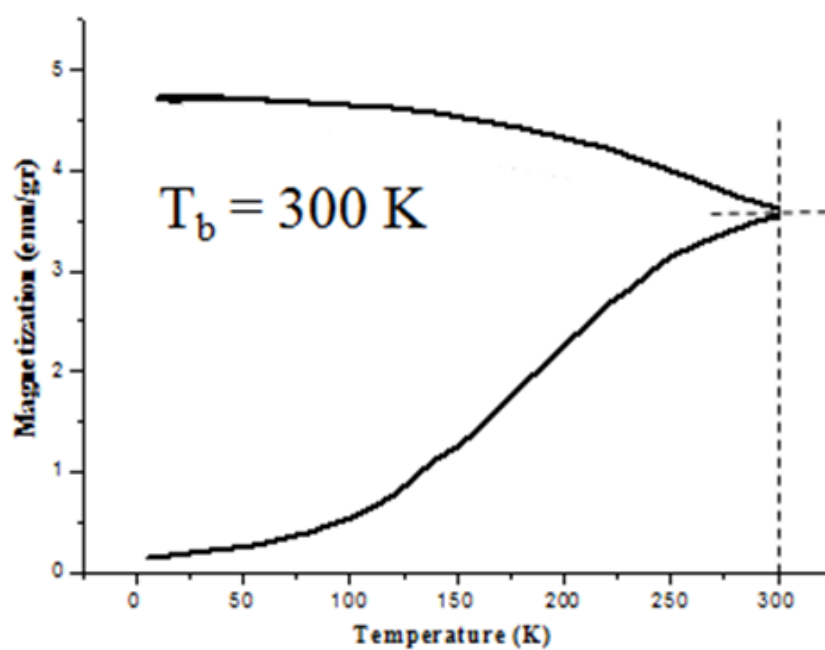


Fig. S2. ZFC/FC measurement

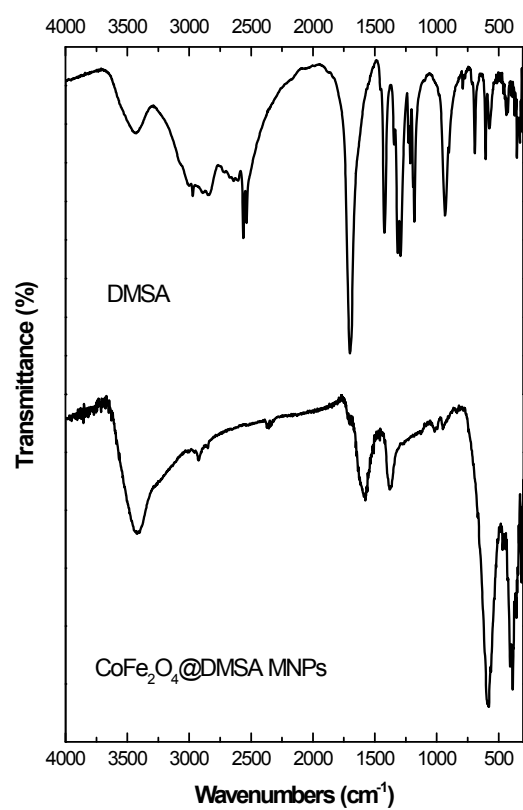


Fig. S3. FT-IR spectra of DMSA and CoFe₂O₄@DMSA MNPs.