Reducing the inversion degree of MnFe$_2$O$_4$ nanoparticles through synthesis to enhance magnetization; Evaluation of their ^{1}H NMR relaxation and heating efficiency

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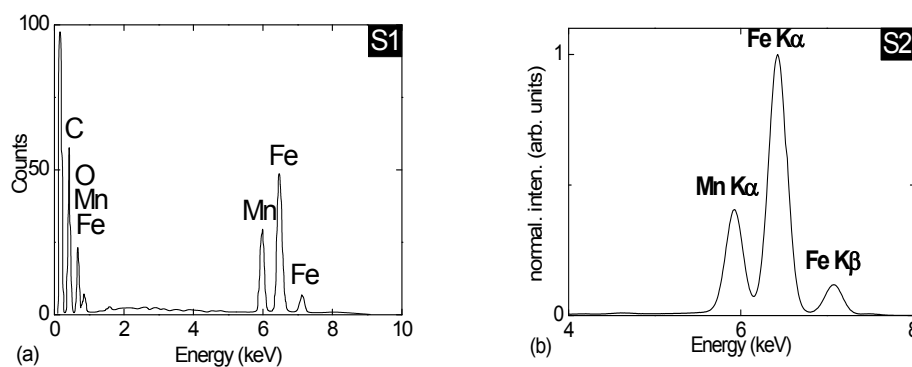^{a}Department of Chemistry, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece; *e-mail: samkat@chem.auth.gr

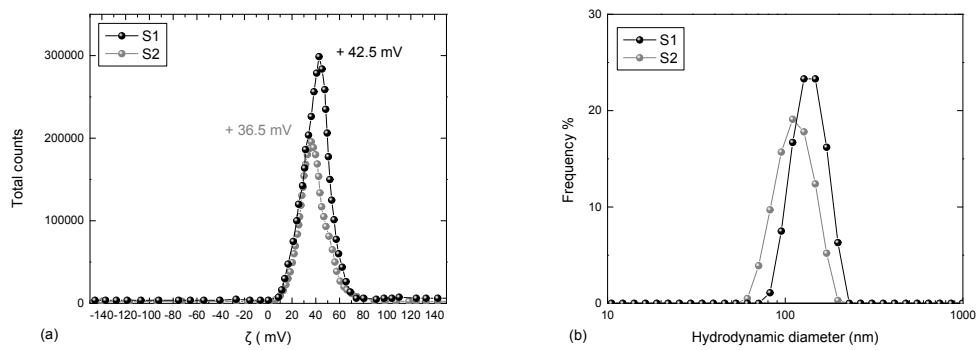^{b}Department of Physics, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

† Electronic supplementary information (ESI)
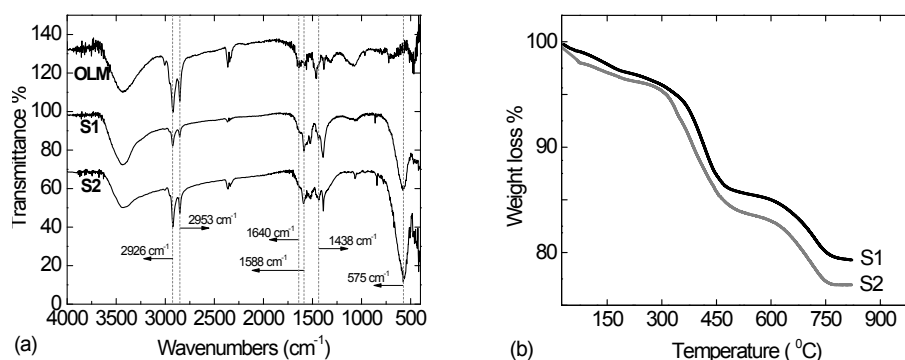
Fig. 1S (a) FT-IR spectra and (b) TGA curves of samples S1 and S2.

Fig. 2S Representative EDS (a) and XRF (b) spectra of S1 and S2, respectively.

Fig. 3S (a) Zeta potential (ζ) distribution of samples measured at neutral suspension pH. (b) Particle size distribution of the CTAB-coated nanoparticles in water by DLS.