Development of a Novel 'One-Pot' Synthetic Method for Preparation of $(Mn_{0.2}Ni_{0.4}Zn_{0.4}Fe_2O_4)_x$-$(BaFe_{12}O_{19})_{1-x}$ nanocomposites and Study of their Microwave Absorption and Magnetic Properties

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Room temperature M-H curves, measured using VSM, for $(Mn_{0.2}Ni_{0.4}Zn_{0.4}Fe_2O_4)_x$-$(BaFe_{12}O_{19})_{1-x}$ nanocomposites (X= 0.85, 0.75, 0.5 ,0.25) prepared by one-pot and physical mixing method are shown below:

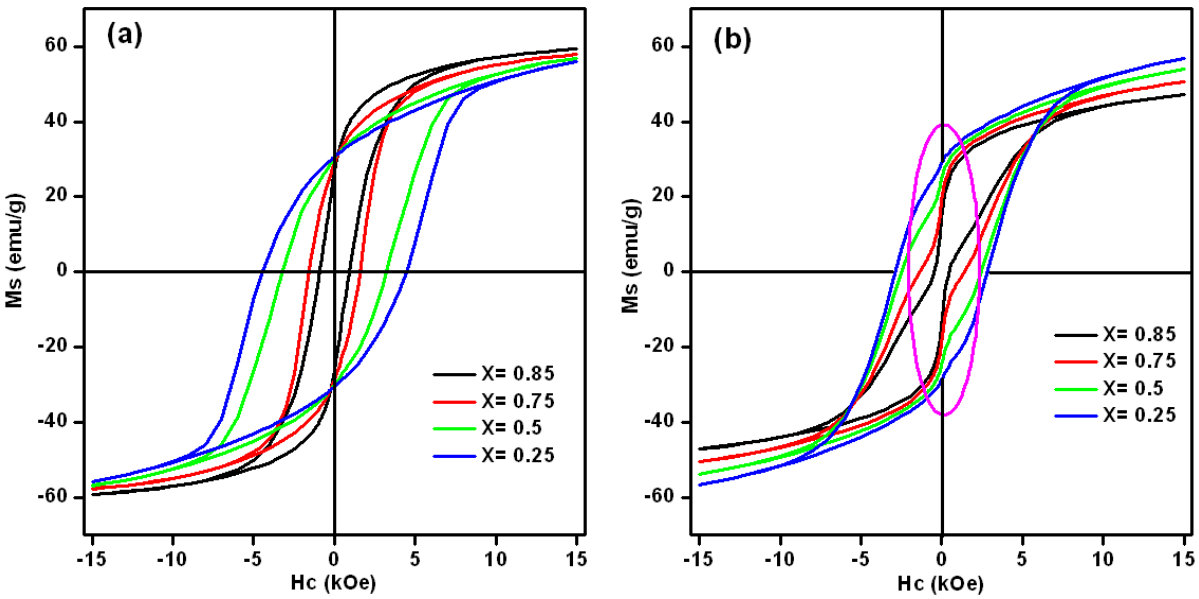

Fig. S1: Room temperature hysteresis loops for $(Mn_{0.2}Ni_{0.4}Zn_{0.4}Fe_2O_4)_x$-$(BaFe_{12}O_{19})_{1-x}$ nanocomposites (X= 0.85, 0.75, 0.5 ,0.25) prepared by (a) one-pot and (b) physical mixing method.