Supporting Information

Field-Assisted Synthesis and Electromagnetic Properties of Aligned Magnetic Nanostructures by $\gamma$-Irradiation Induced Reduction

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Figure S1. SEM image of the Co nanoparticles prepared by direct $\gamma$-ray irradiation, without the application of an external magnetic field.
Figure S2. Low-magnification SEM image of the prepared Co nanostructures by a $\gamma$-irradiation technique with the assistance of an external magnetic field of 3000 G.

Figure S3. SEM image of the prepared Co nanostructures by a $\gamma$-irradiation technique with the assistance of an external magnetic field of 4000 G.
Figure S4. SEM image of the prepared Ni nanoparticles by a direct $\gamma$- irradiation technique without the assistance of an external magnetic field and application of any surfactant.