

Supplementary Materials: Functionalization of Fe_3O_4 NPs by Silanization: Use of Amine (APTES) and Thiol (MPTMS) Silanes and Their Physical Characterization

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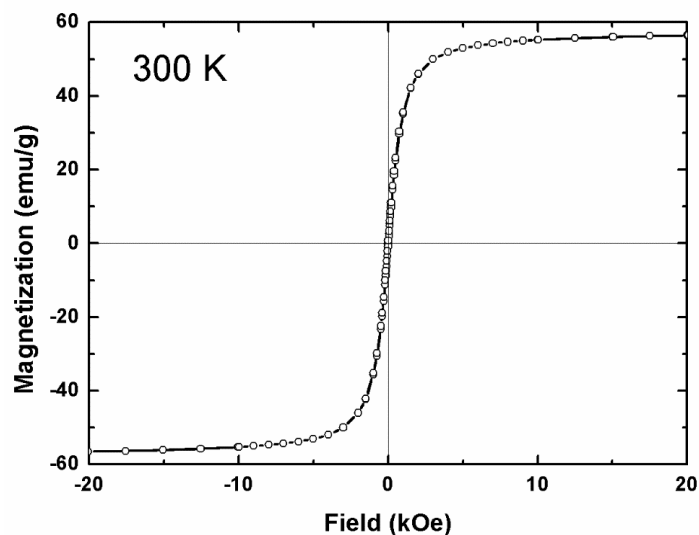


Figure S1. Room temperature isothermal magnetization of the bare Fe_3O_4 NPs, displaying the absence of the coercivity, typical of the superparamagnetic regime.

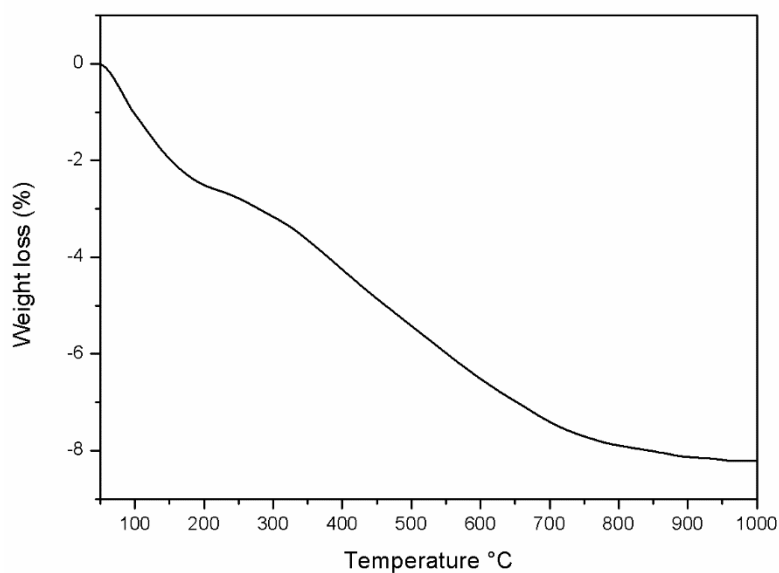


Figure S2. TGA analysis of $\text{Fe}_3\text{O}_4@SiO_2@APTES$.

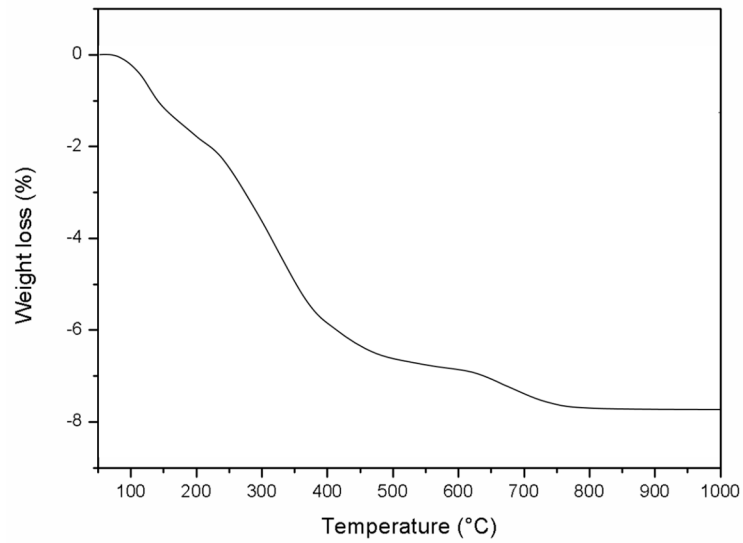


Figure S3. TGA analysis of Fe₃O₄@APTES.

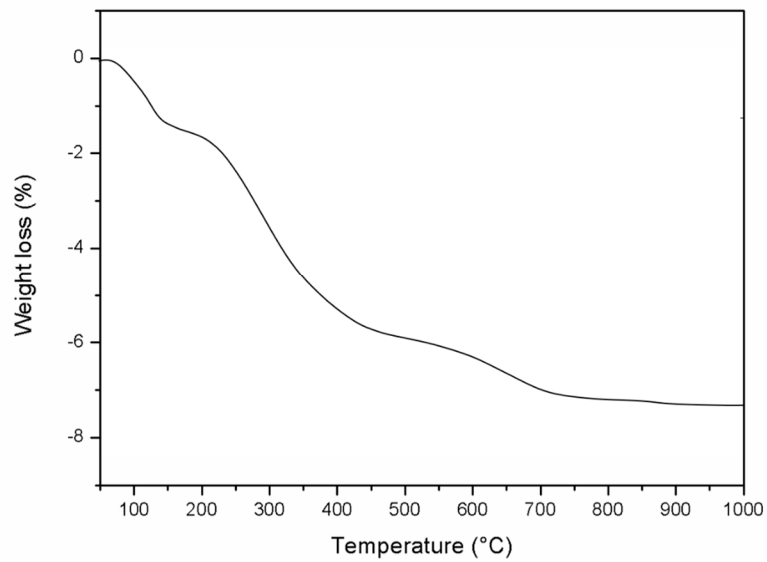


Figure S4. TGA analysis of Fe₃O₄@MPTMS.

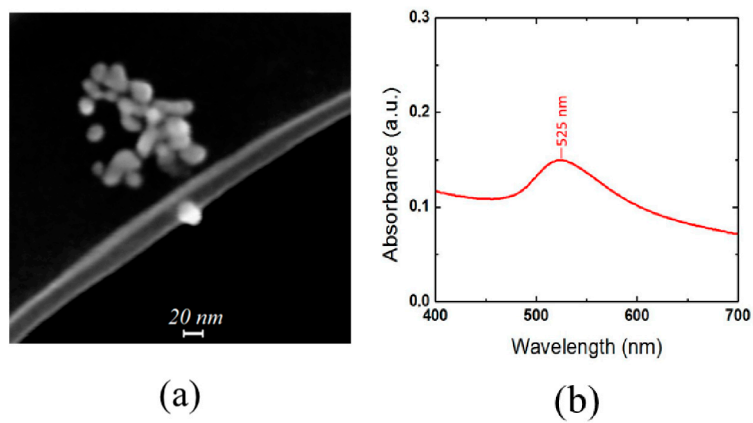


Figure S5. FE-SEM image of Gold NPs (a) and the relative UV-VIS spectrum (b).