

Electronic Supplementary Material

Silica-coated magnetic iron oxide functionalized with hydrophobic polymeric ionic liquid: promising nanoscale sorbent for simultaneous extraction of antidiabetic drugs from human plasma prior to their quantitation by HPLC

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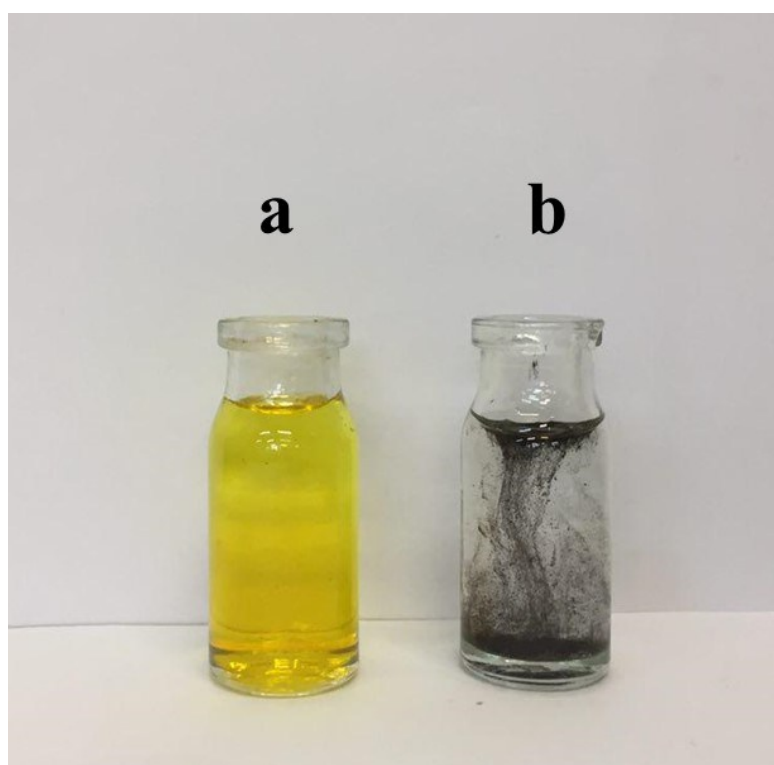


Fig. S1. Comparative acid corrosion experiments for Fe_3O_4 (a) and $\text{Fe}_3\text{O}_4@\text{SiO}_2$ (b) MNPs.

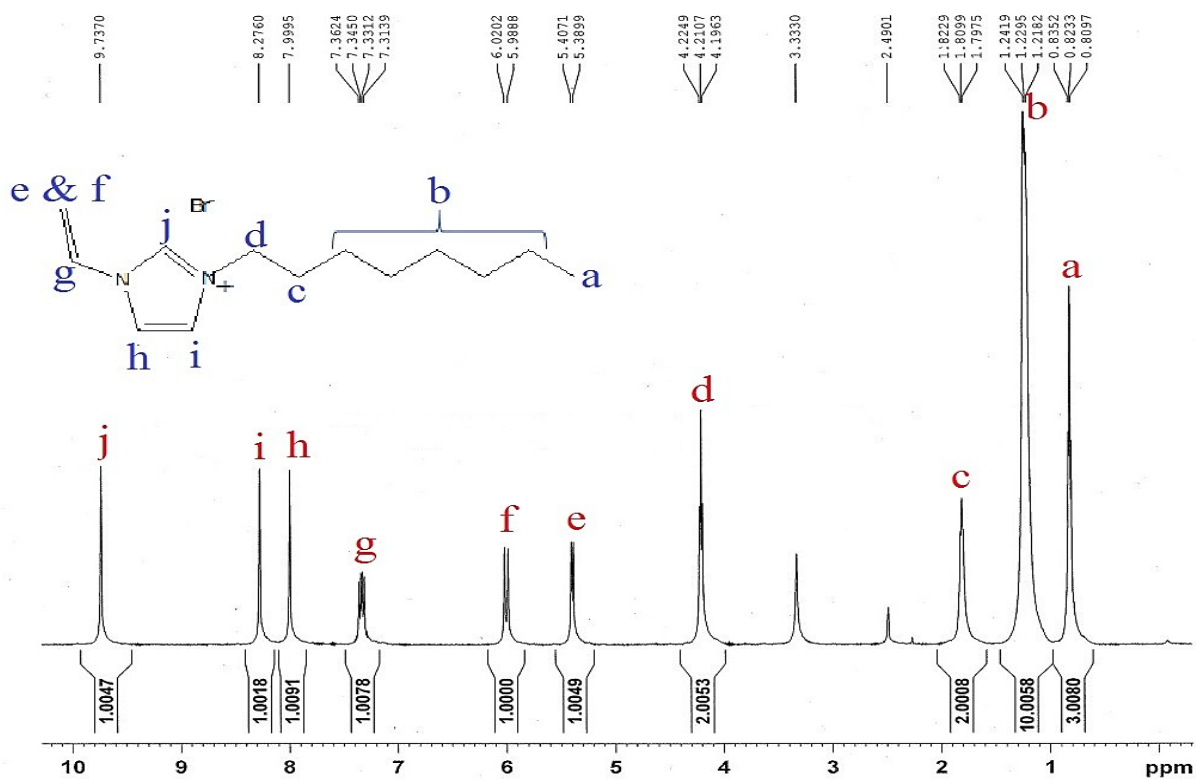


Fig. S2. ^1H NMR spectrum of 1-vinyl-3-octylimidazolium bromide monomer.

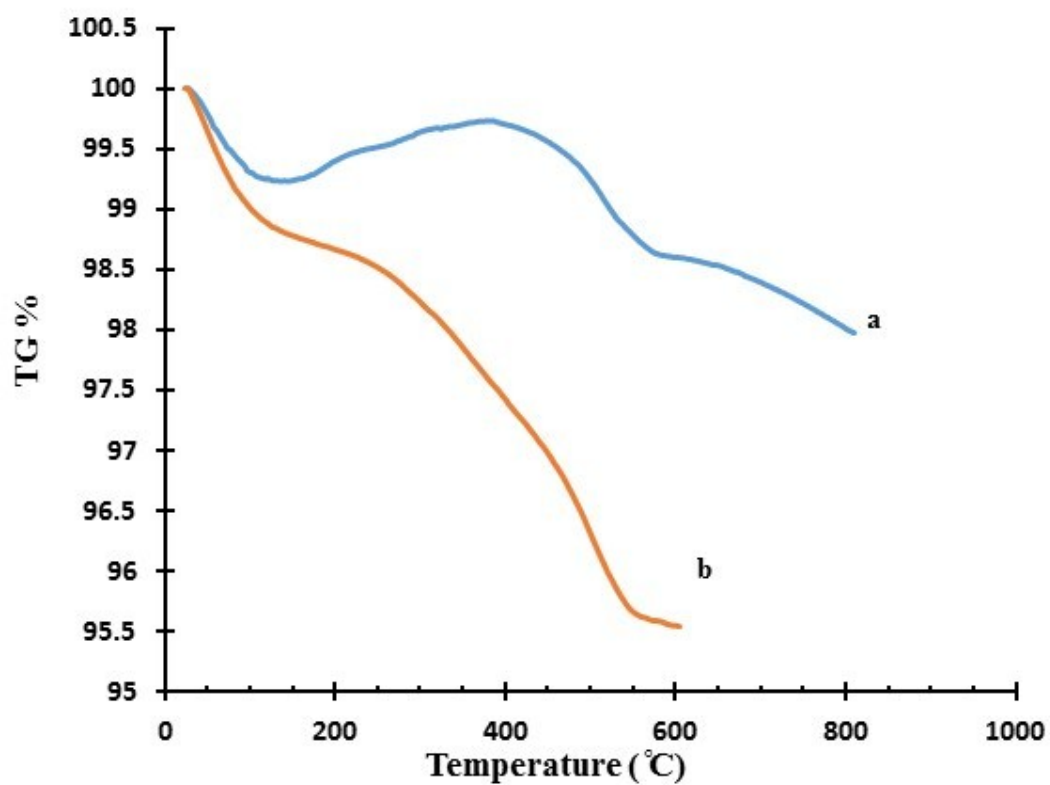


Fig. S3. TGA curves of $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{VTES}$ (a) and $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{PIL-PF}_6$ (b)

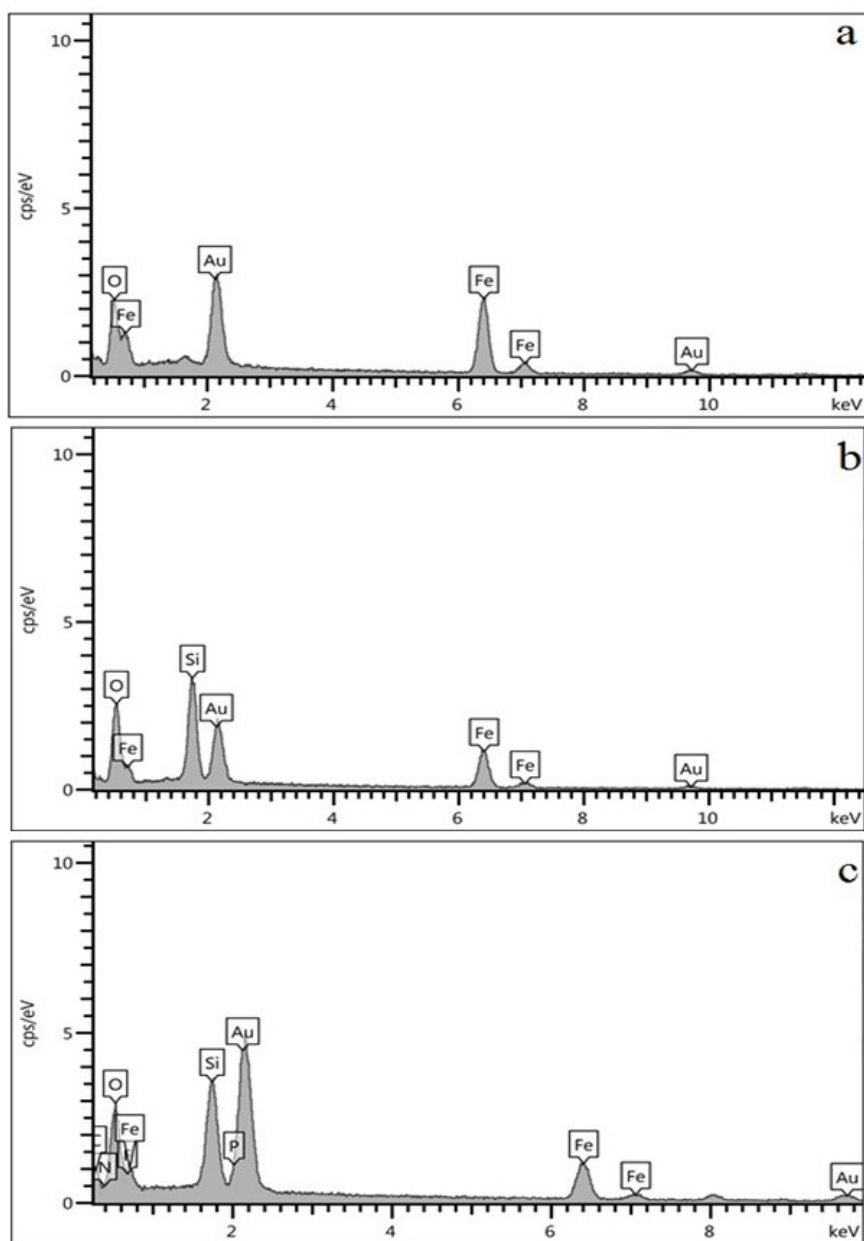


Fig. S4. EDXRF elemental compositions of Fe_3O_4 (a), $\text{Fe}_3\text{O}_4@\text{SiO}_2$ (b) and $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{PIL-PF}_6$ (c).

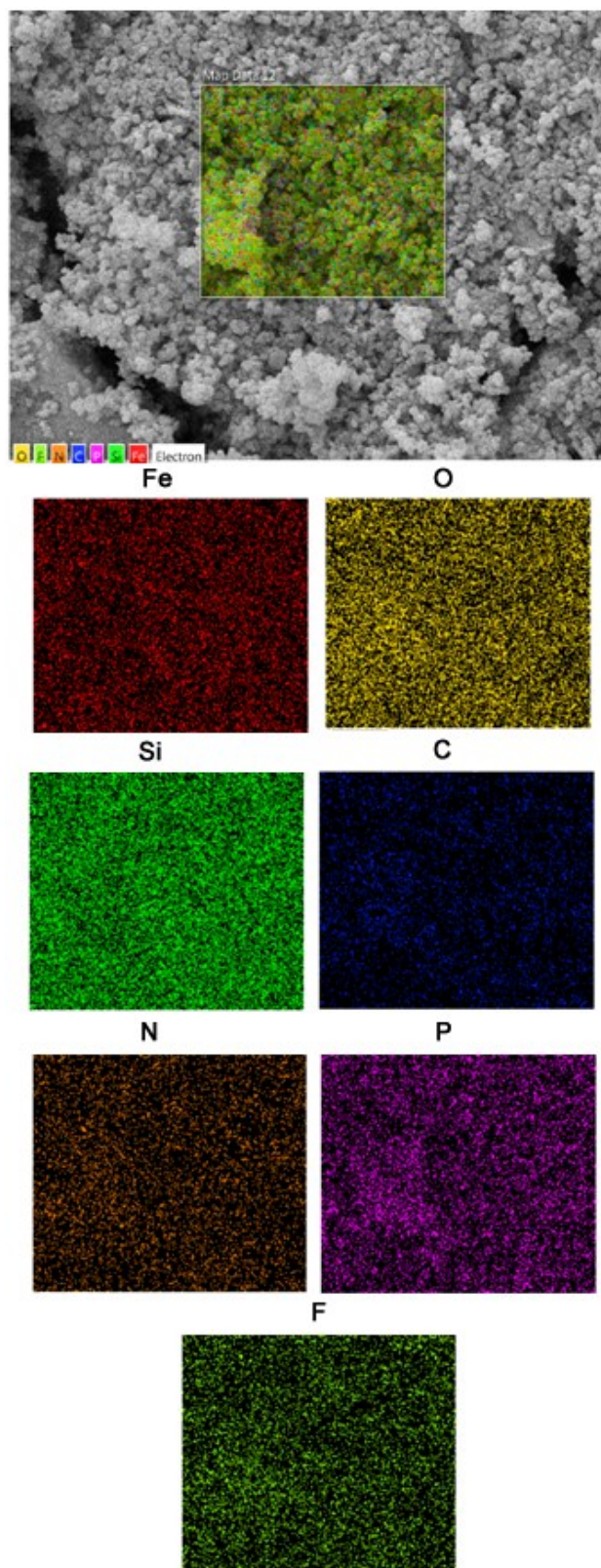


Fig. S5. EDXRF elemental mapping analysis. The top picture shows an overlay of all the elements present in the sample followed by several maps showing the position of each individual element (color figures online).