

## SUPPORTING INFORMATION

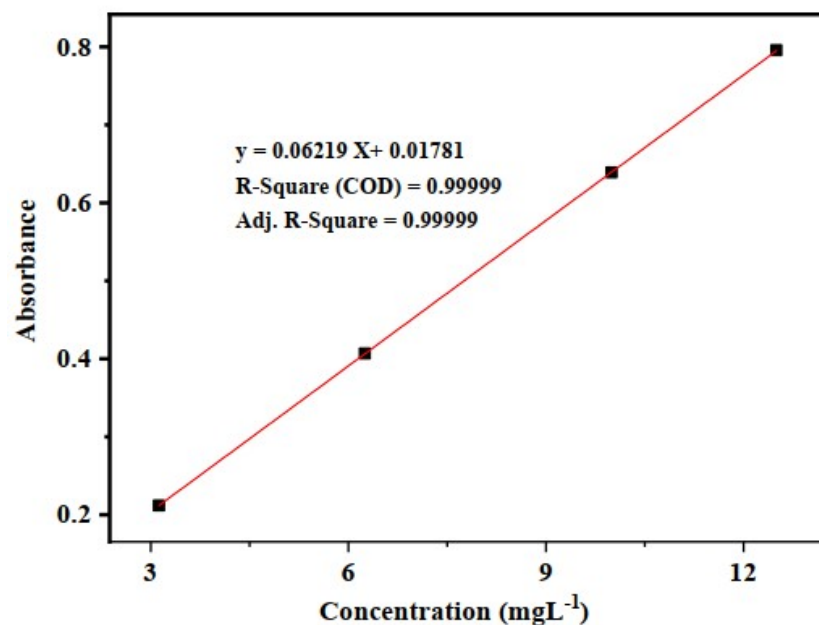
### **Design, Fabrication and Characterization of Magnetite-Chitosan Coated Iron-Based Metal-Organic Framework (Fe<sub>3</sub>O<sub>4</sub>@chitosan/MIL-100(Fe)) for Efficient Curcumin Delivery as a Magnetic Nanocarrier**

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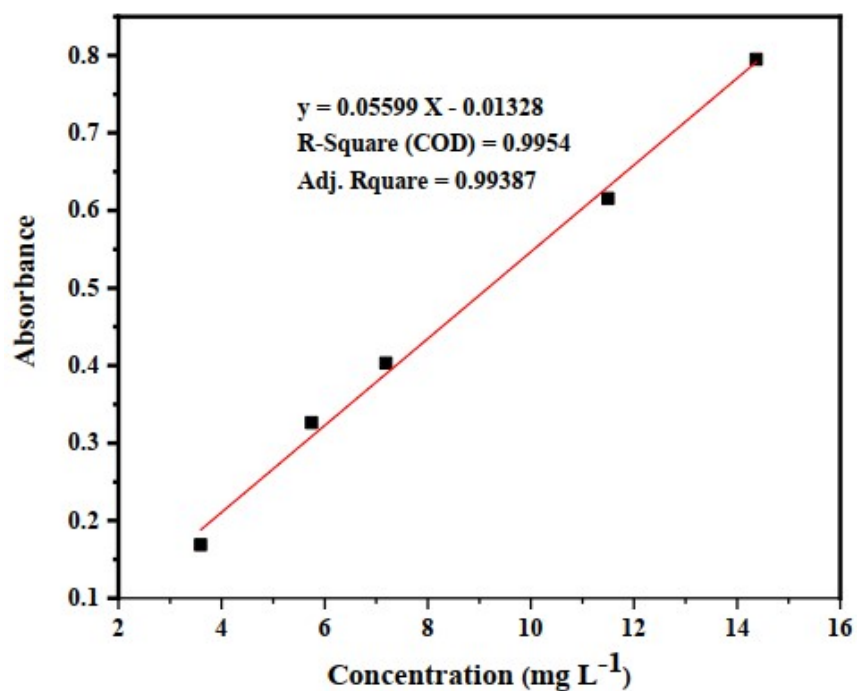
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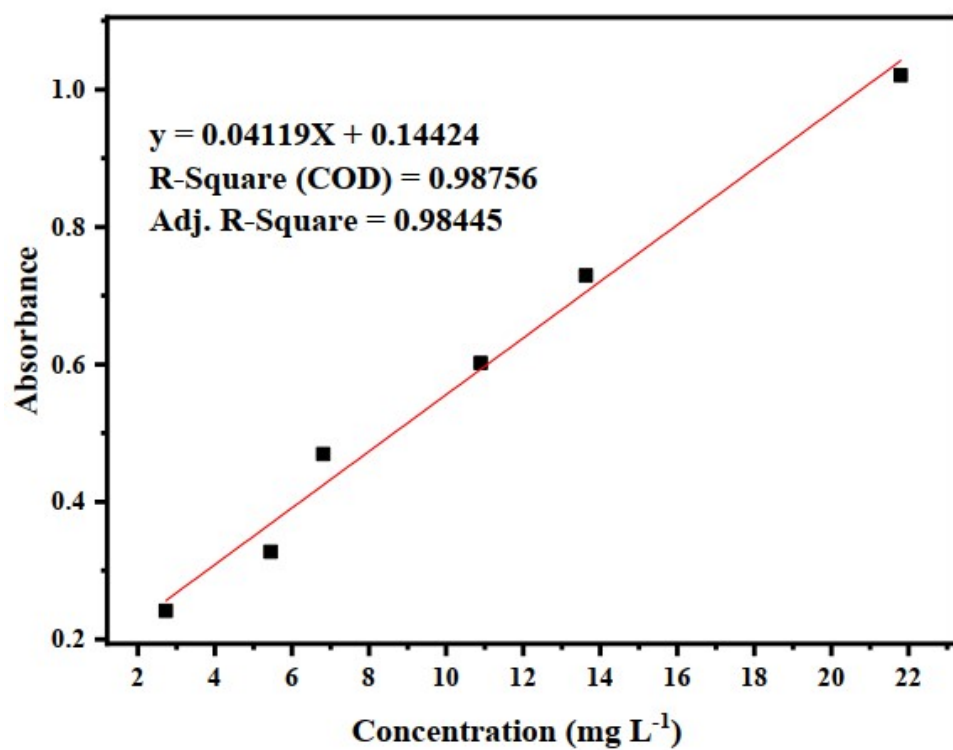
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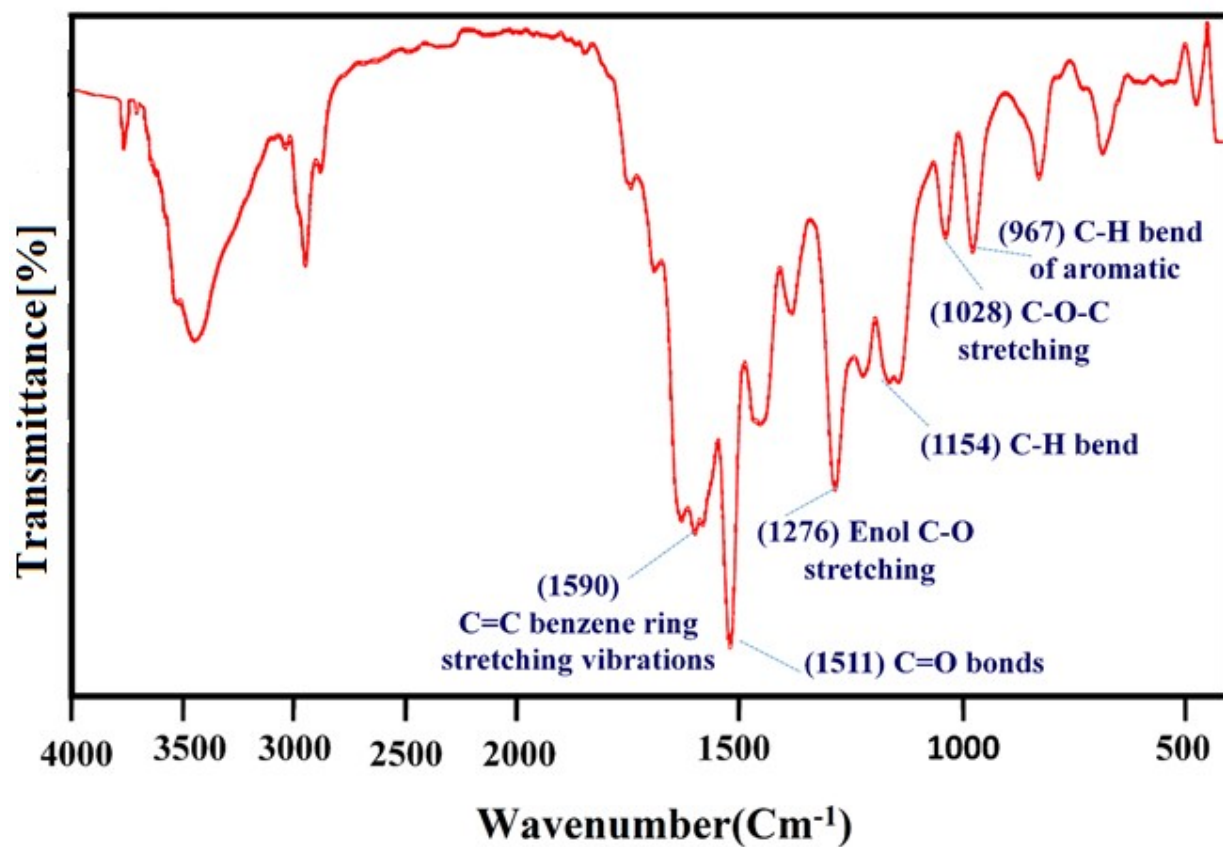
**Fig. S1** calibration curve of curcumin in water –acetone



**Fig. S2** calibration curve of curcumin in Acetone minimum and 0.1% tween 80-  
buffer pH: 7.4



**Fig. S3** calibration curve of curcumin in acetone minimum and 0.1% tween 80-buffer pH: 5.0



**Fig. S4** the FT-IR spectrum of extracted curcumin

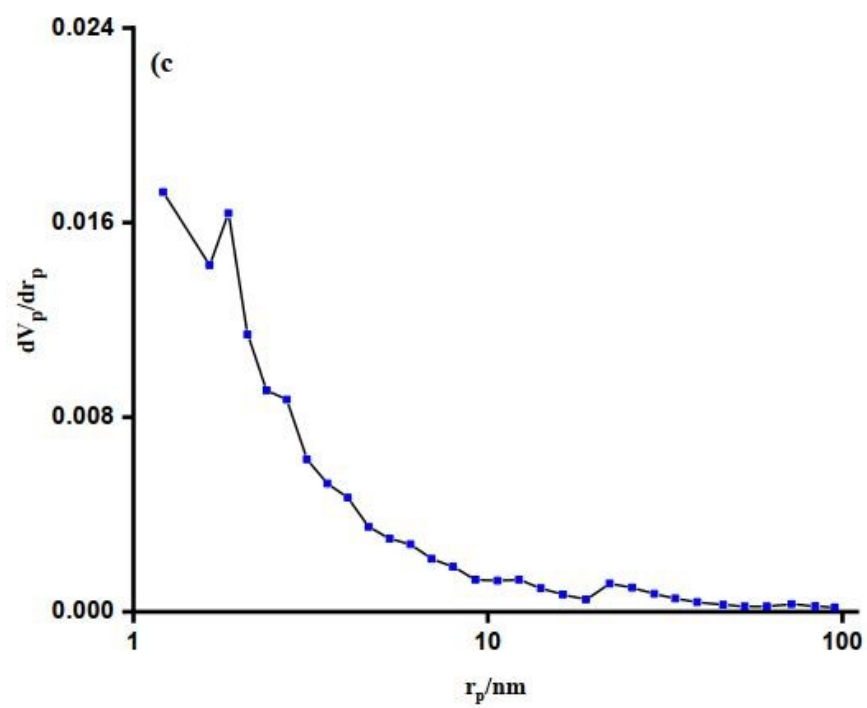
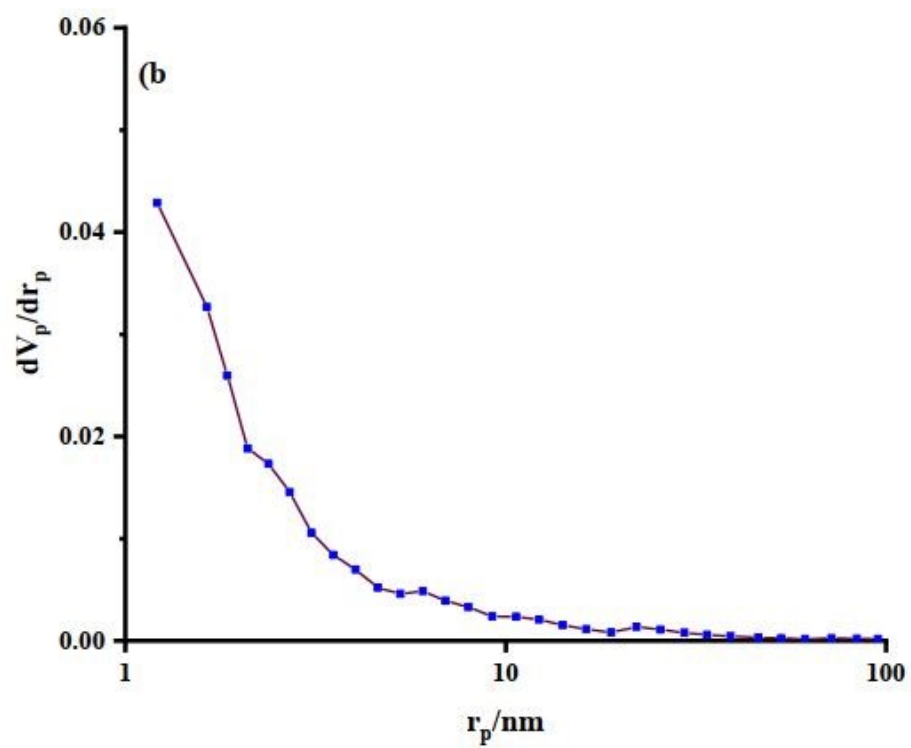
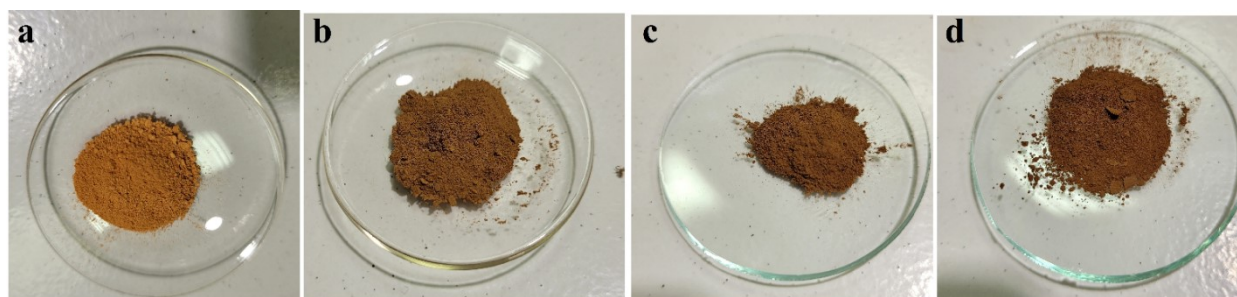


Fig S5 BJH plots (b, c) of FCM and LFCM



**Fig. S6** The powder forms of a) MIL-100(Fe), b) FC/MIL100(Fe)=0.5, c) FC/MIL100(Fe)=1.0 and d) FC/MIL100(Fe)=2.0