

Nanoformulations		Sum of Squares	df	Mean Square	F	Sig.
Fe/MSU-F	Between Groups	3.423	2	1.712	.211	.812
	Within Groups	121.637	15	8.109		
	Total	125.060	17			
Fe/MSU-F-NH ₂	Between Groups	3.774	2	1.887	.136	.874
	Within Groups	208.550	15	13.903		
	Total	212.324	17			
Fe/MesoCarbon	Between Groups	.751	2	.376	.077	.926
	Within Groups	73.213	15	4.881		
	Total	73.964	17			
ZIF-8	Between Groups	.160	2	.080	.048	.953
	Within Groups	24.885	15	1.659		
	Total	25.045	17			
Mesobeta	Between Groups	1.988	2	.994	.954	.408
	Within Groups	15.635	15	1.042		
	Total	17.623	17			
Fe/S-16/ZIF-8	Between Groups	.723	2	.362	.104	.902
	Within Groups	52.302	15	3.487		
	Total	53.025	17			

Table S1. ONE WAY ANOVA significance among different nanoformulations.

Nanoformulations		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower	Upper		
						Bound	Bound		
Fe/MSU-F	1	6	10.8	2.5	1.0	8.3	13.4	9.5	15.8
	2	6	11.4	3.7	1.5	7.5	15.3	8.7	18.8
	3	6	10.4	2.1	0.9	8.1	12.6	9.1	14.6
	Total	18	10.9	2.7	0.6	9.5	12.2	8.7	18.8
Fe/MSU-F-NH ₂	1	6	11.5	4.0	1.6	7.3	15.7	7.8	19.3
	2	6	10.4	3.9	1.6	6.3	14.6	7.6	18.2
	3	6	10.6	3.2	1.3	7.3	14.0	8.4	17.0
	Total	18	10.8	3.5	0.8	9.1	12.6	7.6	19.3
Fe/MesoCarbon	1	6	9.3	2.7	1.1	6.5	12.2	7.1	14.6
	2	6	8.9	1.9	0.8	6.9	10.9	7.1	12.3
	3	6	8.9	1.9	0.8	6.9	10.9	7.1	12.3
	Total	18	9.0	2.1	0.5	8.0	10.1	7.1	14.6
ZIF-8	1	6	8.1	1.1	0.5	6.9	9.2	6.8	9.9
	2	6	8.3	1.6	0.6	6.6	9.9	6.8	11.1
	3	6	8.1	1.1	0.5	6.9	9.2	6.8	9.9
	Total	18	8.1	1.2	0.3	7.5	8.7	6.8	11.1
Mesobeta	1	6	17.4	1.2	0.5	16.1	18.6	15.8	18.9
	2	6	17.2	1.2	0.5	15.9	18.4	15.8	18.9
	3	6	16.6	0.6	0.2	16.0	17.2	15.8	17.4
	Total	18	17.0	1.0	0.2	16.5	17.5	15.8	18.9
Fe/S-16/ZIF-8	1	6	18.4	1.7	0.7	16.6	20.1	15.8	20.2
	2	6	18.8	1.7	0.7	17.0	20.6	17.0	21.4
	3	6	18.4	2.2	0.9	16.1	20.7	15.8	21.4
	Total	18	18.5	1.8	0.4	17.6	19.4	15.8	21.4

Table S2. ONE WAY ANOVA significance among different nanoformulations.

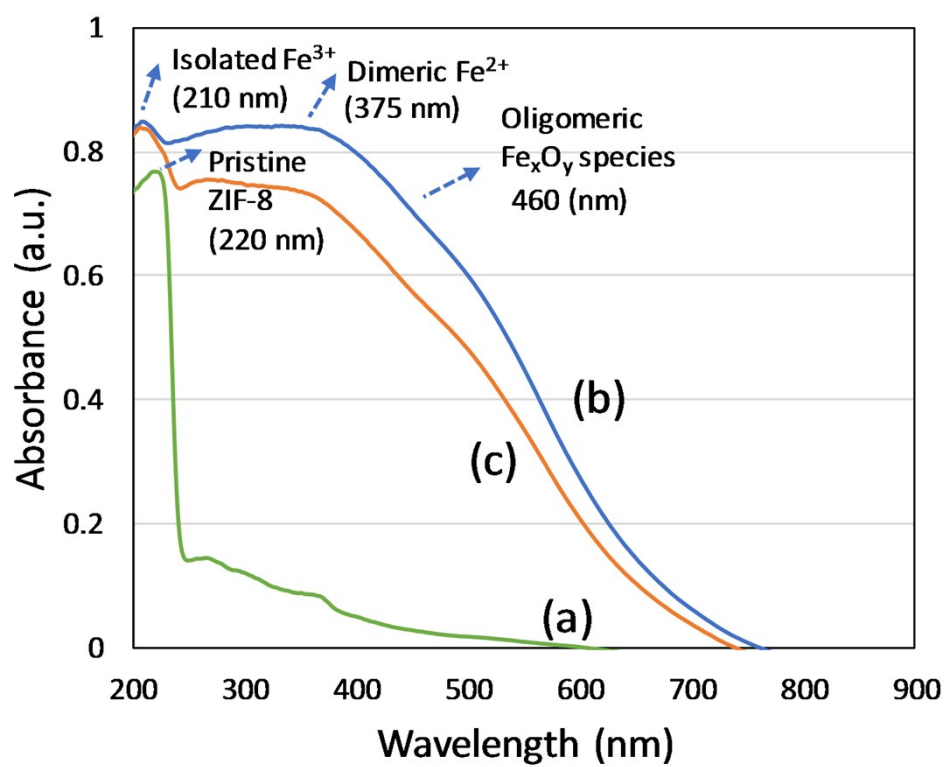


Fig. S1. Drs UV-Visible spectra of (a) ZIF-8, (b) Fe/SBA-16 and (c) Fe/SBA-16/ZIF-8

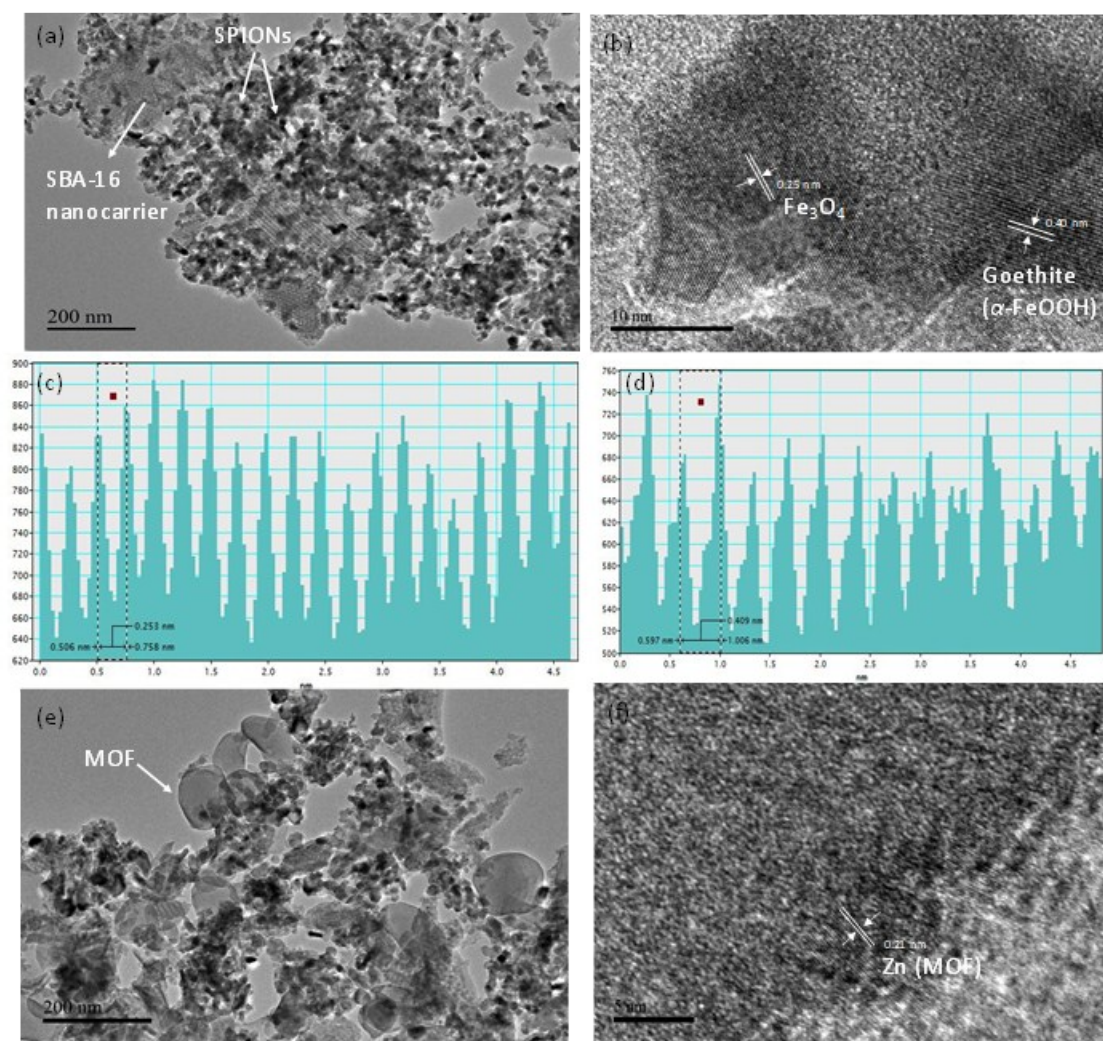


Figure S2. TEM images of dry samples Fe/SBA-16/ZIF-8

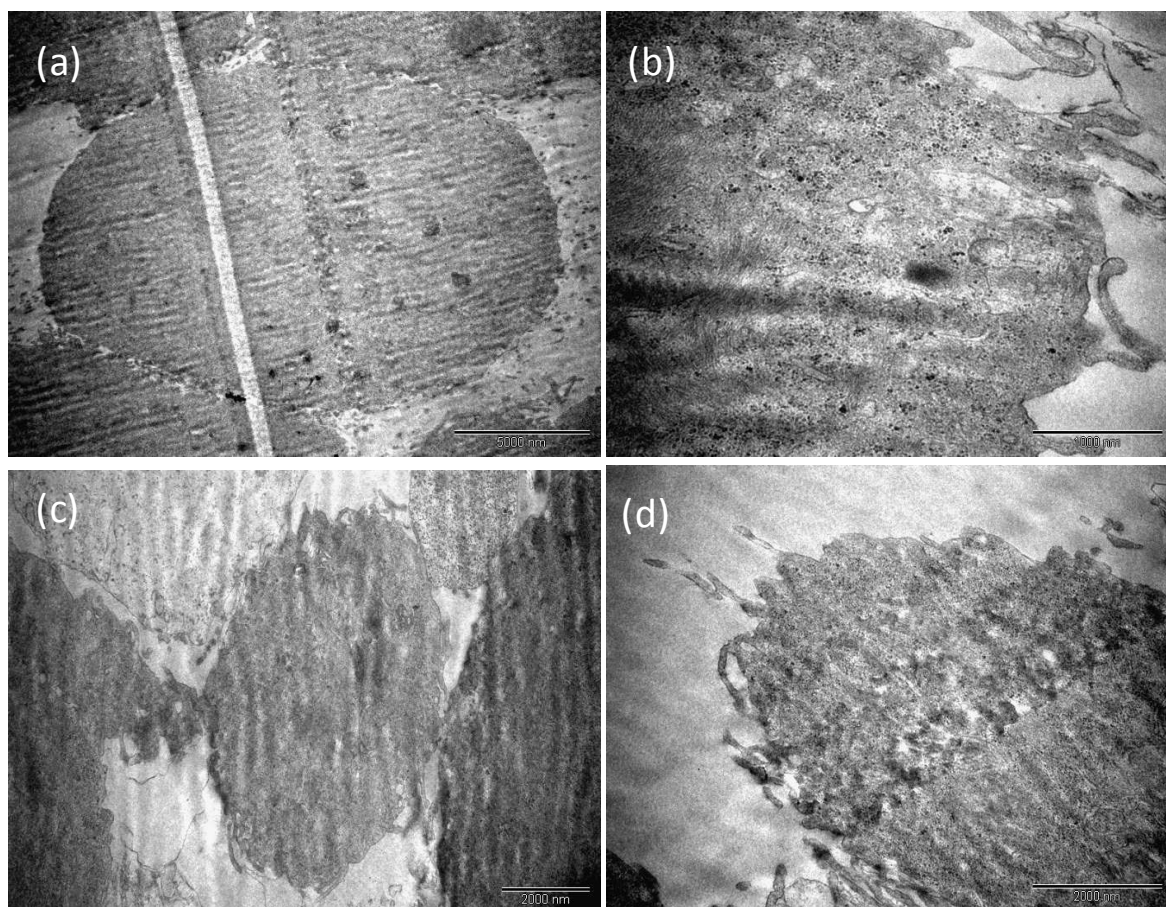


Figure S3. Bio-TEM images (a) Control (MCF-7) and (b-d) CP/Fe/SBA-16/ZIF-8 treated MCF-7 cells.