

### Support Information

**Figure S1.** Size histogram of *Bacillus subtilis*

**Figure S2.** Zeta potential of *Bacillus subtilis* and Fe@B. *subtilis* suspensions as a function of pH

**Table S1** Weight concentration (%) of *Bacillus subtilis* and Fe@ *Bacillus subtilis* samples from EDS analysis.

**Table S2** Atom concentration (%) of Fe@ *Bacillus subtilis* samples from XPS analysis.

**Table S3** Textural properties of *Bacillus subtilis* and Fe@B. *subtilis*.

Figure S1.

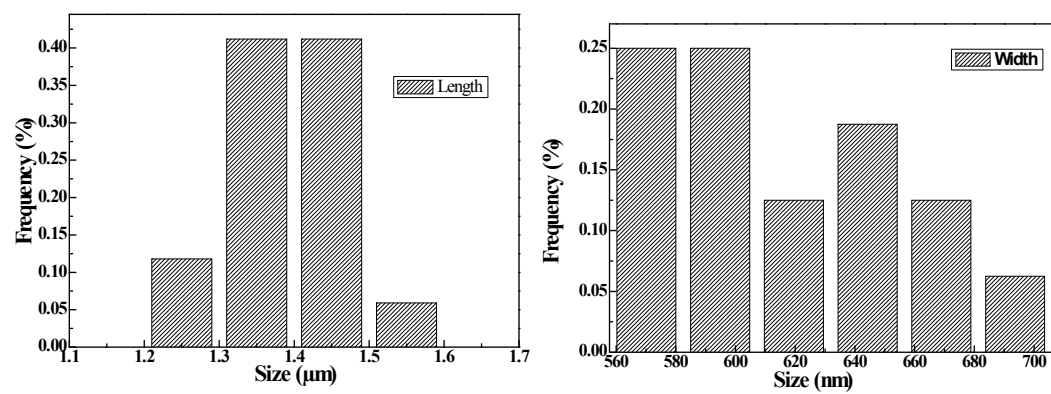
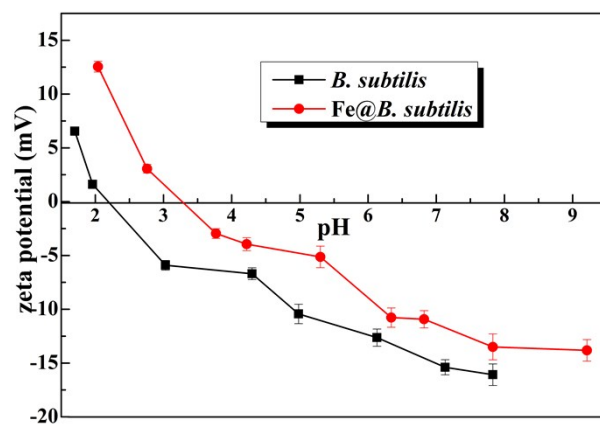


Figure S2.



**Table S1.**

Samples	Bacillus subtilis	Fe@Bacillus subtilis
C	45.98	27.17
N	19.34	6.57
O	31.83	28.98
S	2.86	0.52
Cl	--	17.28
Fe	--	19.48

**Table S2.**

Samples	Fe@Bacillus subtilis
C	76.4
N	1.88
O	16.7
Cl	2.86
Fe	2.24

**Table S3.**

Sample	$S_{\text{BET}}$ (m <sup>2</sup> /g)	Pore volume(cm <sup>3</sup> /g)	Average pore size (nm)
Bacillus subtilis	4.94	0.005	5.9
Fe@B. subtilis	6.95	0.011	6.1