

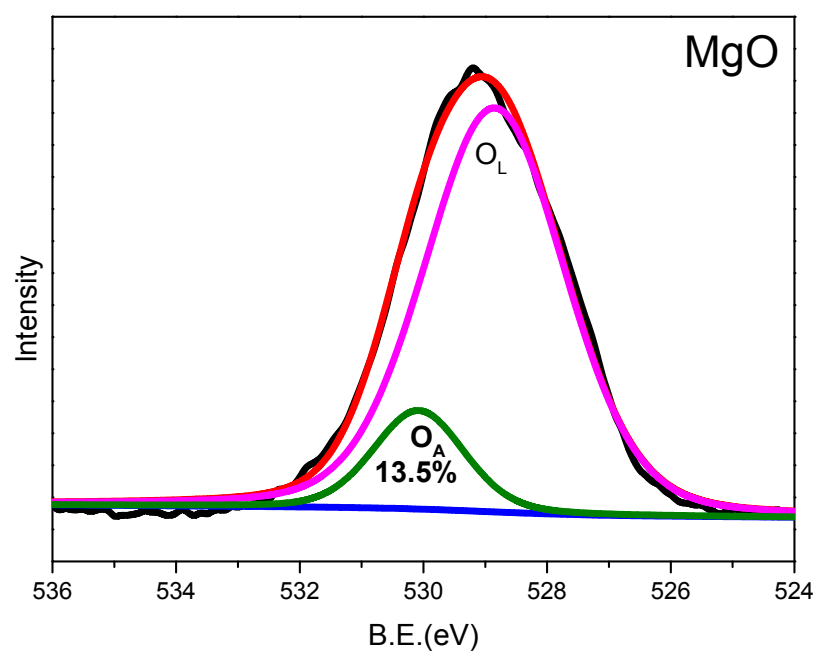
## Supporting Information

### **Enhanced Anti-*Escherichia coli* Properties of Fe-Doping in MgO Nanoparticles**

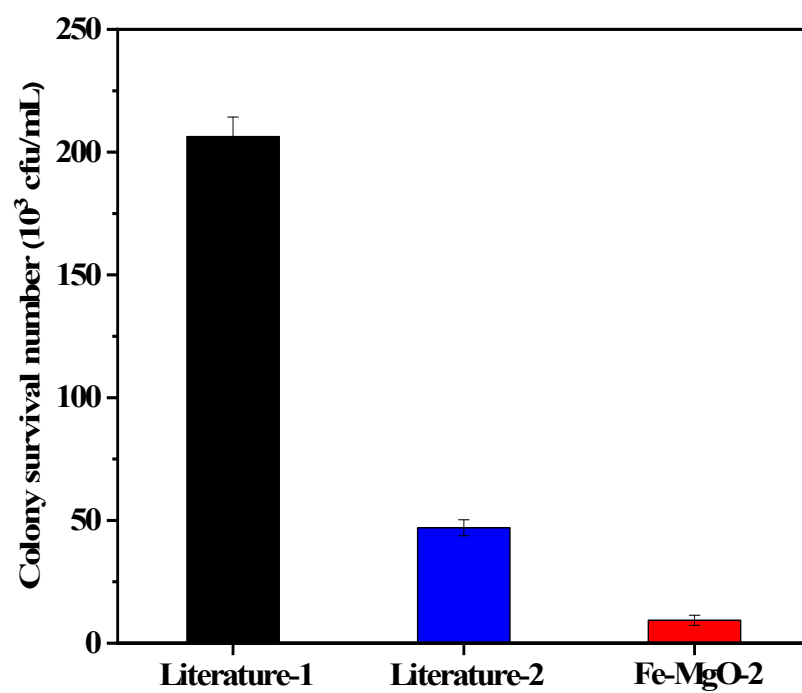
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**Figure S1.** The O 1s XPS spectrum of MgO NPs.



**Figure S2.** The antibacterial activity comparison between Fe-MgO-1 and literature reported MgO materials (ChemistrySelect., 2020, 5, 3201-3207, MgO-450 and MgO-650 for Literature-1 and Literature-2, respectively).