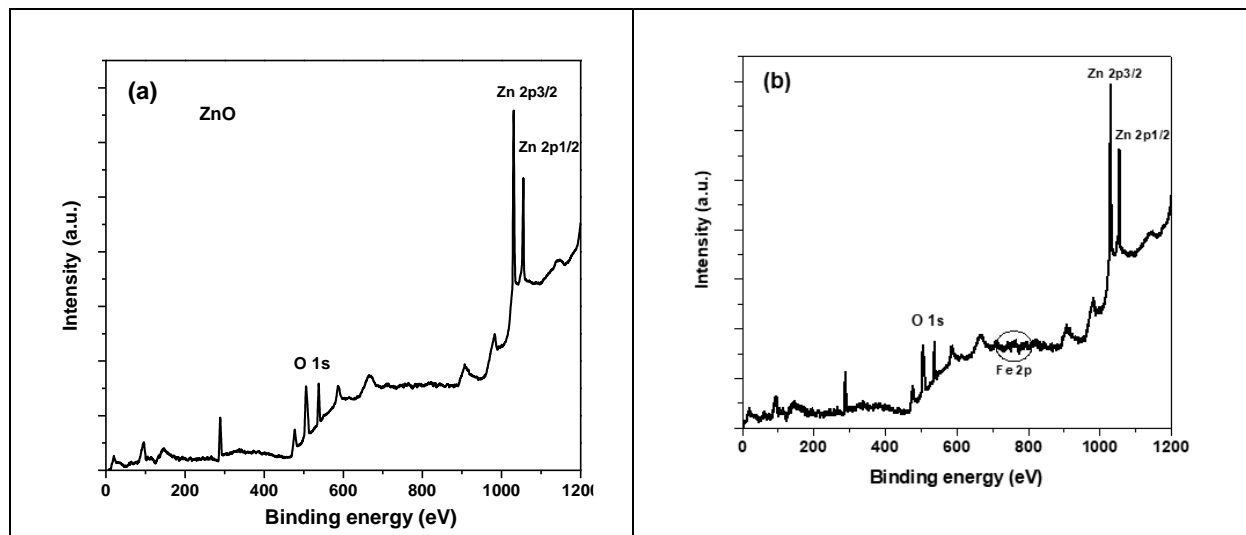


Figure S1(a,b) exhibited the presence of Fe around 800 eV, as shown in b.



As exhibited in figure S2, the increase in the Fe concentrations demonstrated a significant decrease in the intensity PL, suggesting a larger barrier to charge recombination.

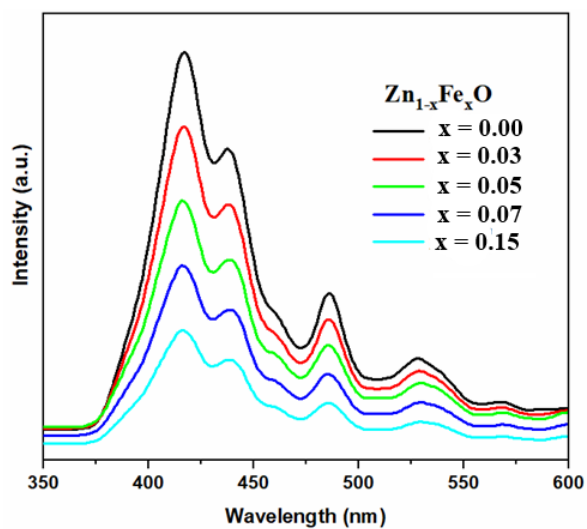


Figure S2: PL spectra of Zn_{1-x}Fe_xO