

Fig. S1: Change in absorption with time of methyl orange solution in the presence of $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Cu}_{0.2}\text{Co}_x\text{Fe}_{1.8-x}\text{O}_4$ annealed at 1000°C .

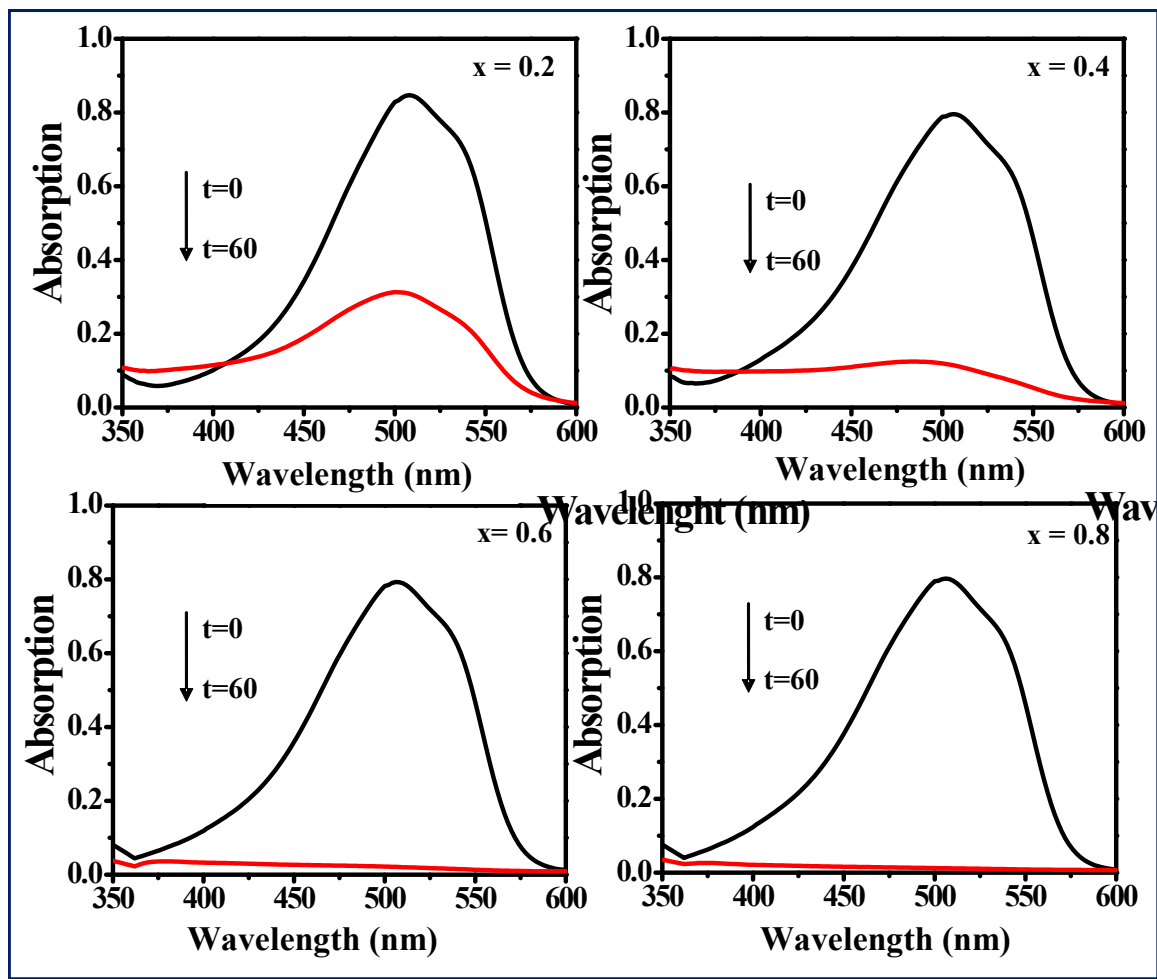


Fig. S2: Change in absorption with time of methyl orange solution in the presence of $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Cu}_{0.2}\text{Zn}_x\text{Fe}_{1.8-x}\text{O}_4$ annealed at 1000°C .

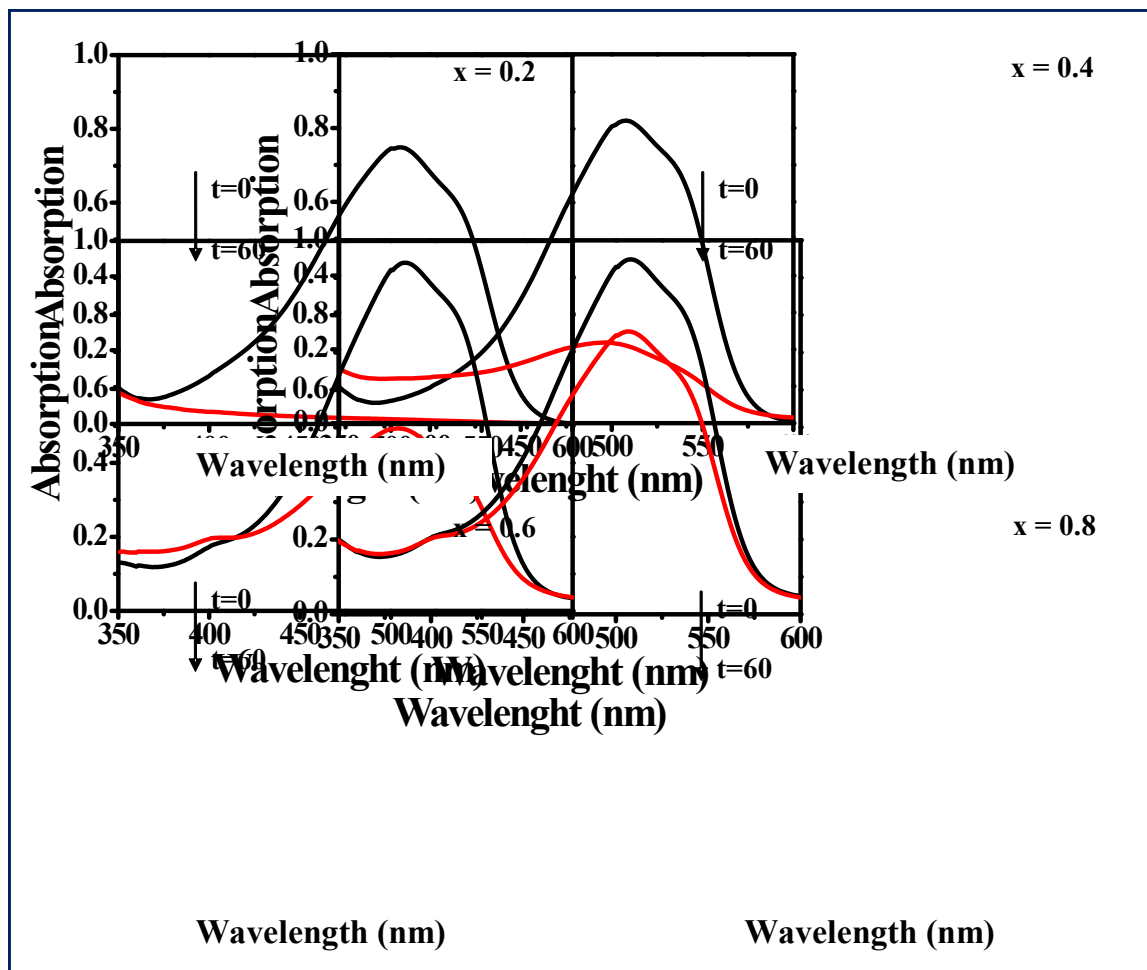


Fig. S3: Change in absorption with time of methyl orange solution in the presence of $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Cu}_{0.2}\text{Ni}_x\text{Fe}_{1.8-x}\text{O}_4$ annealed at $1000\text{ }^\circ\text{C}$