

Fe₃O₄-CdO nanocomposite for organic dye photocatalytic degradation: synthesis and characterization

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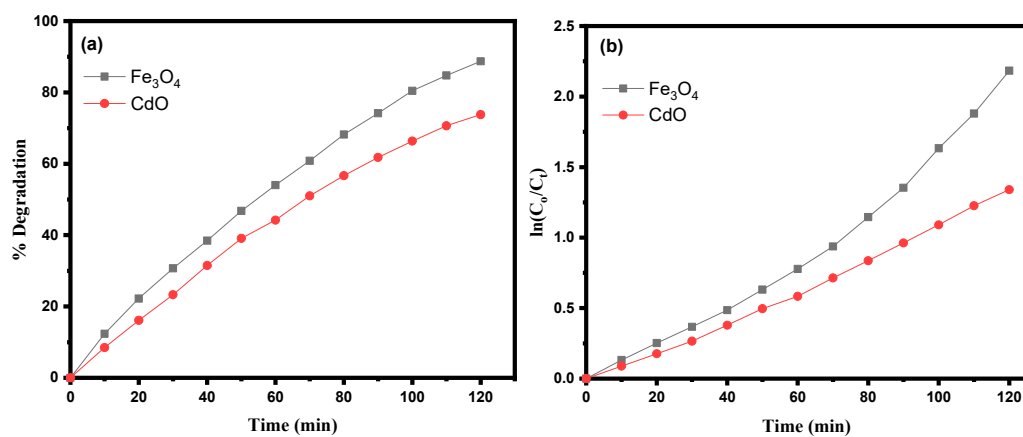


Figure S1. (a) Photocatalytic degradation efficiency and (b) plot of $\ln(C_0/C_t)$ versus time of pure Fe₃O₄ and CdO nanoparticles.

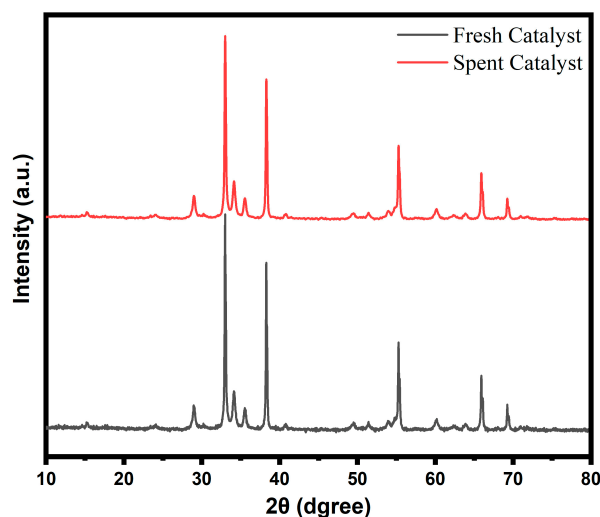


Figure S2. XRD of fresh and spent CdO-Fe₃O₄ catalyst.

Table S1. Rate constants at different catalyst dosages and dye concentrations.

Parameters		K_I
Catalyst Lodging (mg)	10	0.00736
	20	0.01048
	30	0.01409
	40	0.02345
Dye Concentration (ppm)	30	0.02345
	40	0.01166
	50	0.00853
	60	0.00575