

## Supplementary information

### Photocatalytic Mineralization of Chlorpyrifos Using CdS/MAX-Phase Nanocomposites and Detailed Investigation on the Mechanism and Degradation Pathways

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Figures: -

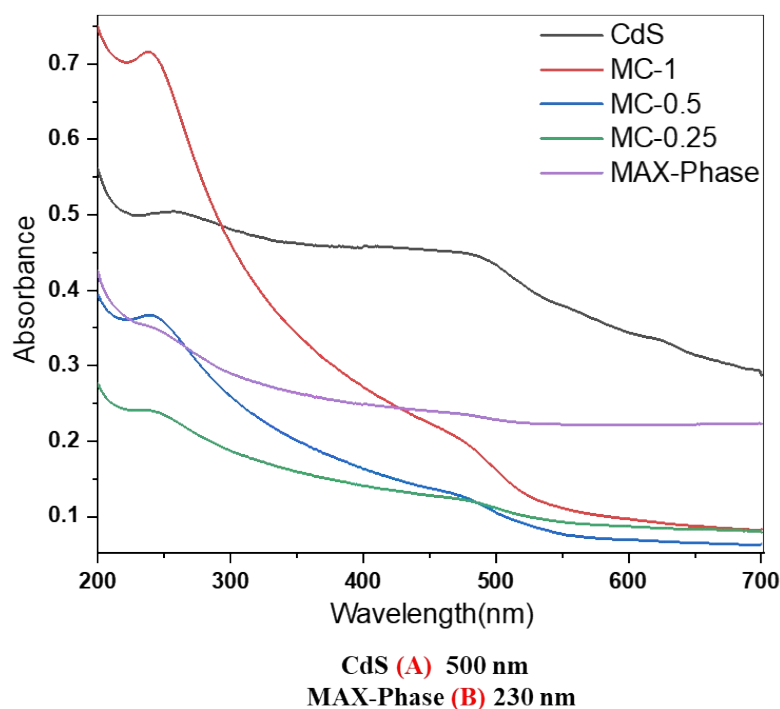


Figure S1: - UV-Vis spectrum of all catalysts in water (without CPY)

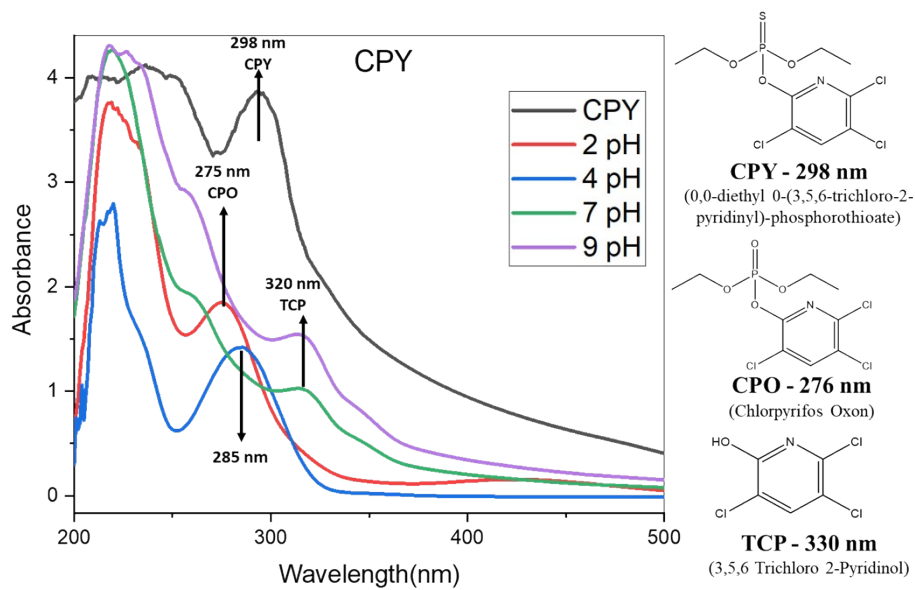


Figure S2: - UV-Vis spectrum of CPY at different pH conditions

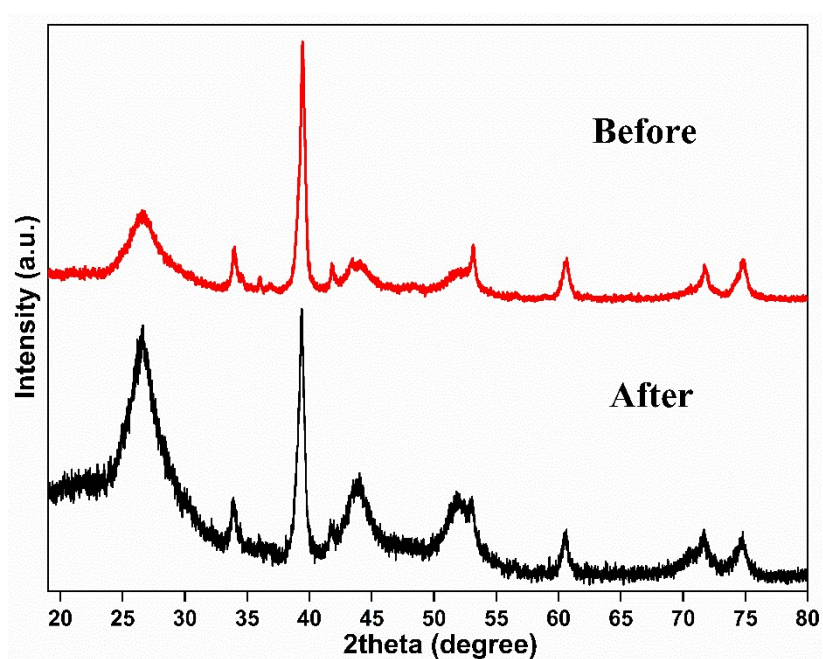


Figure S3: -XRD spectra of fresh and treated photocatalyst

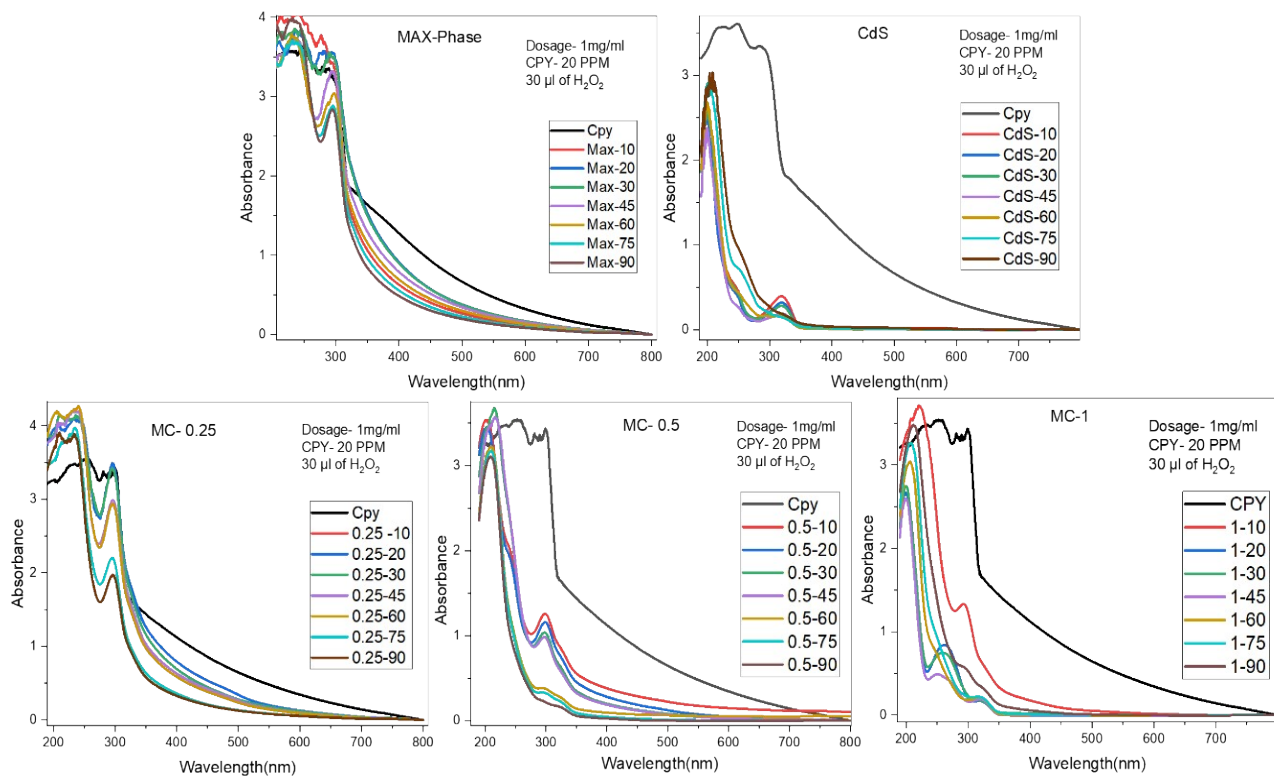


Figure S4: - Kinetic studies CPY using CdS, MAX-Phase and its nanocomposites

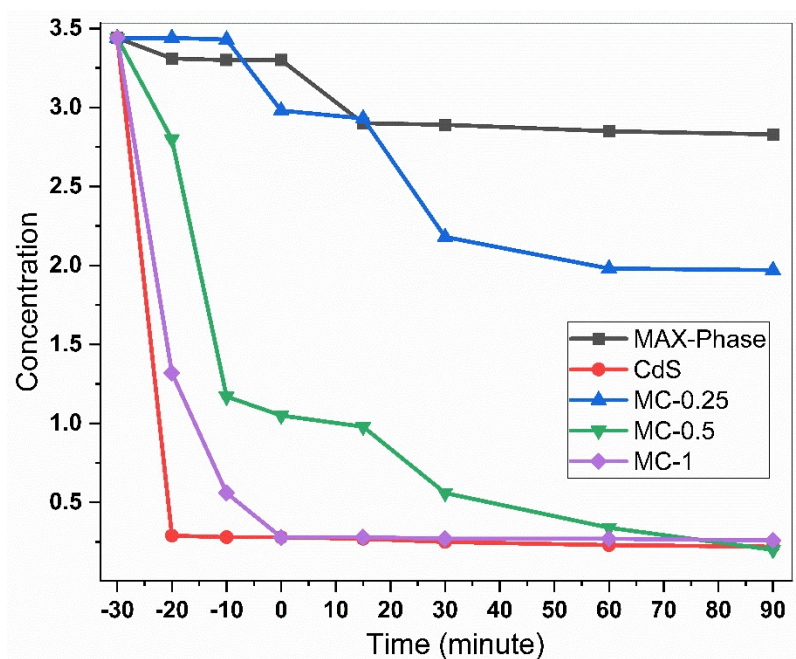


Figure S5: - Concentration vs time graph of CdS, MAX-Phase, and its nanocomposites