

Supporting Information

Journal: RSC Advances

Title: “Synthesis of Chitosan Grafted-Polyaniline/Co3O4 Nanocube Nanocomposite and its Photocatalytic Activity toward Methylene Blue Dye Degradation”

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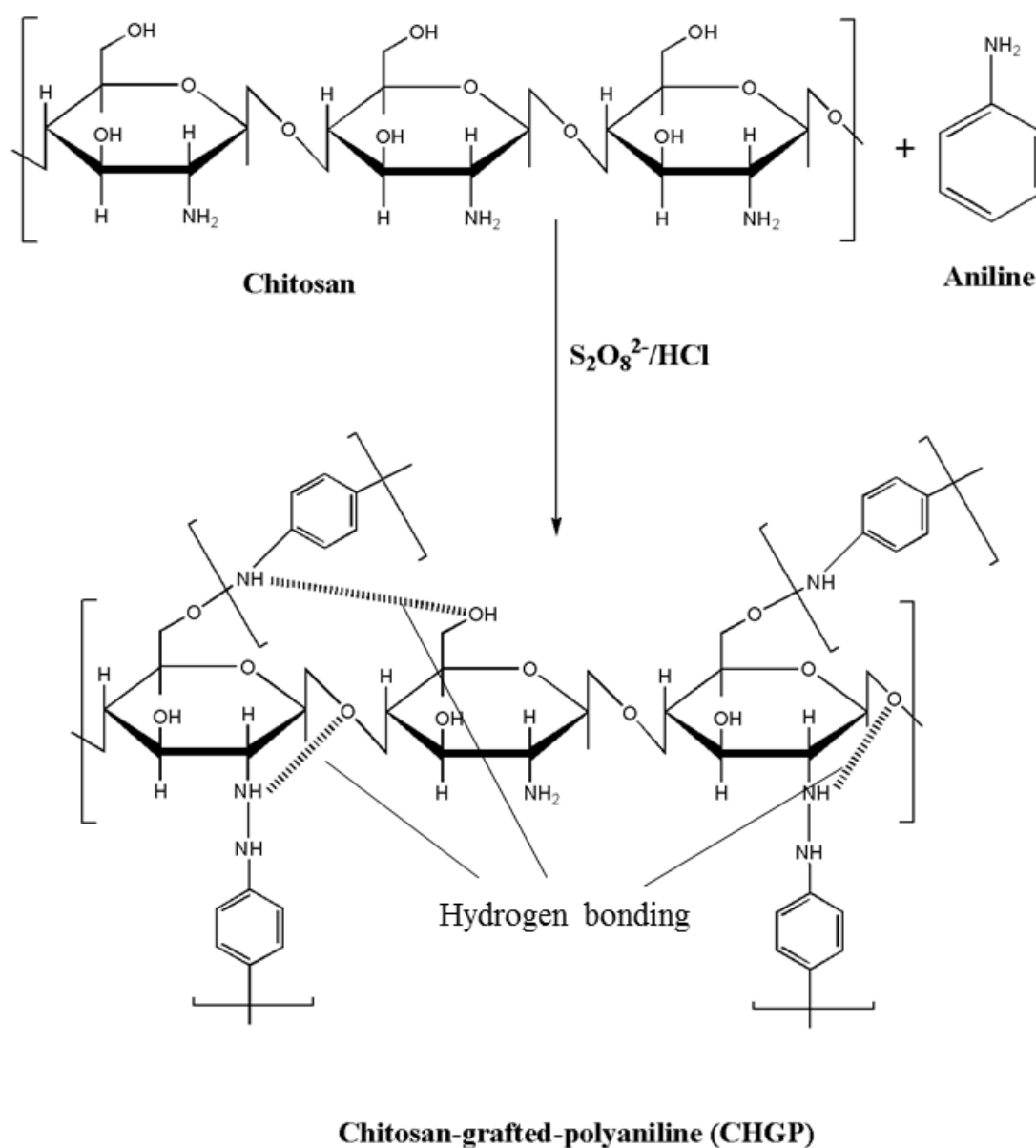


Figure S1. Reaction pathway for the synthesis of chitosan-grafted polyaniline copolymer

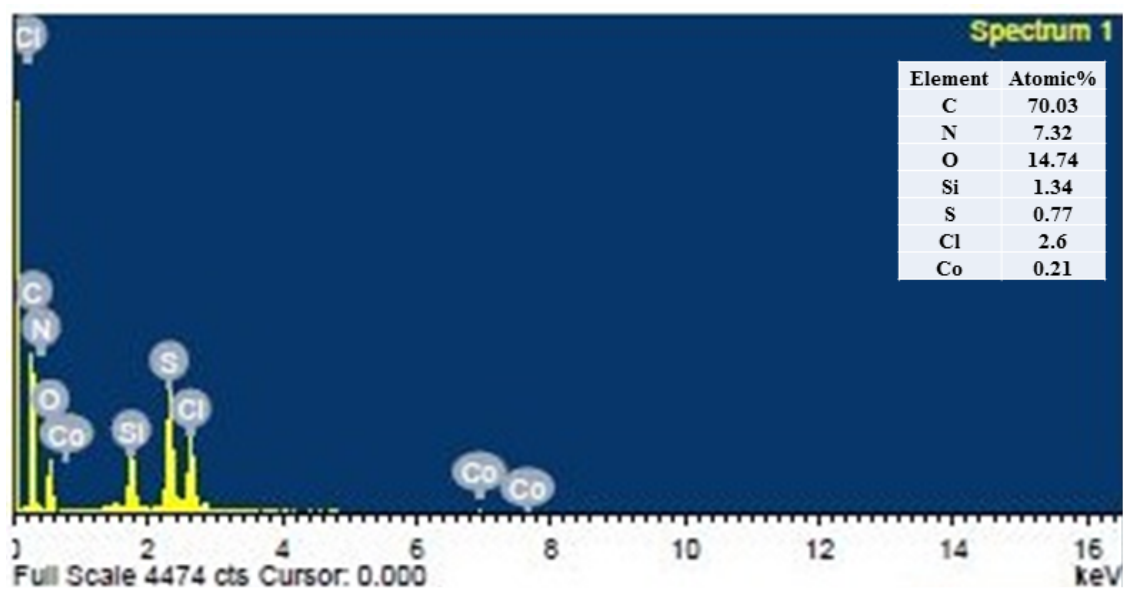


Figure S2. EDX spectrum of ChGPCo2 nanocomposite.

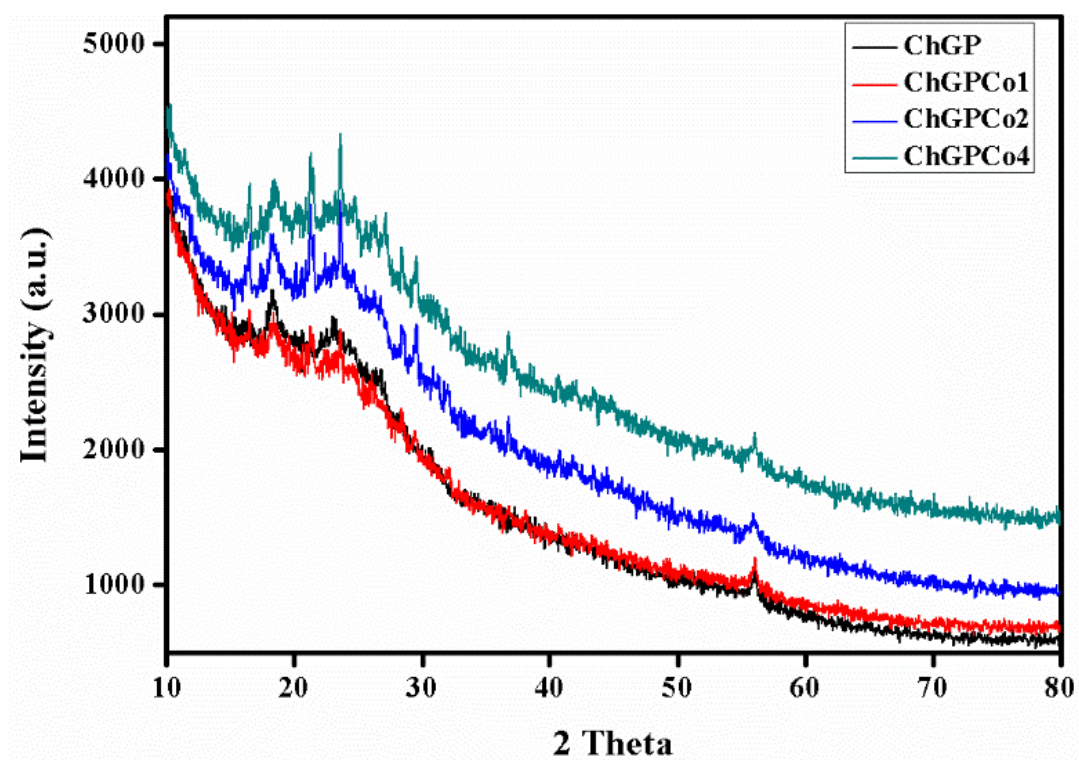


Figure S3. XRD patterns of ChGP, ChGPCo1, ChGPCo2 and ChGPCo4.

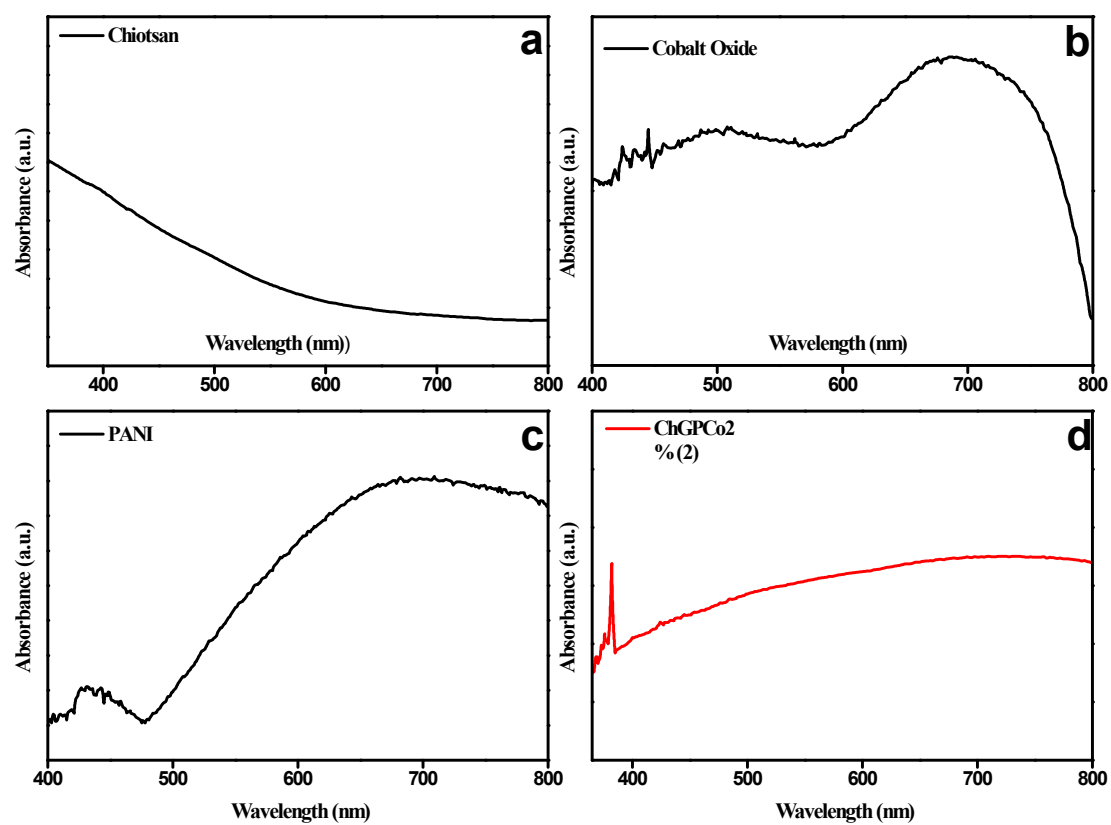


Figure S4. UV-Visible spectra of chitosan, Co_3O_4 , PANI and ChGPCo2

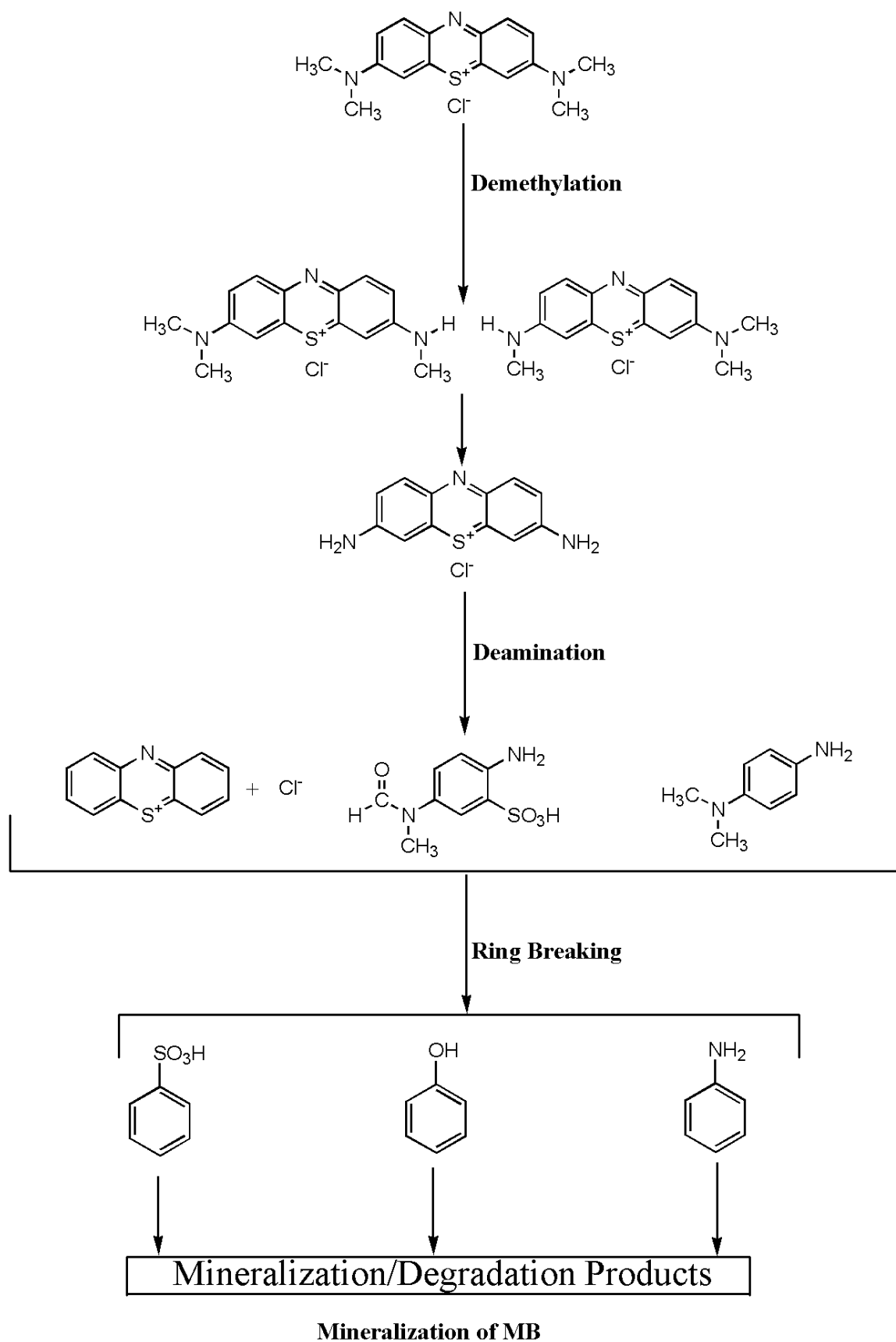


Figure S5. Proposed mechanism for the photocatalytic degradation of MB under UV irradiation.