

Supplementary Information

Comparing Photo-Fenton Degradation of Malachite Green Using Fe^{II} and Fe^{III} Salts Under UVA Light Irradiation

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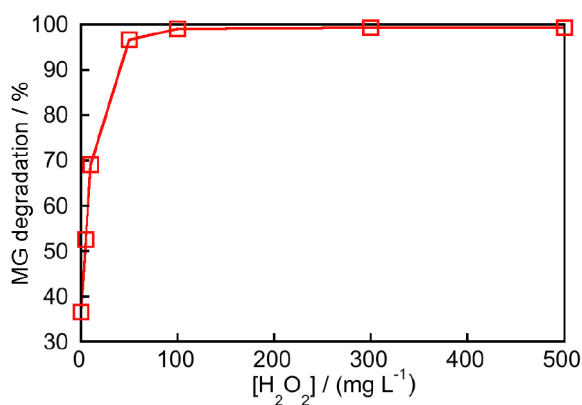


Figure S1. Effect of the initial concentration of H₂O₂ on the degradation of MG (10 mg L⁻¹) using the Fe^{II}/H₂O₂ system under UVA light irradiation. The concentration of Fe^{II} and the pH of the solution were kept constant for all the measurements ([Fe^{II}] = 10 mg L⁻¹, pH = 2.7). The total time for the each experiment was 100 min.

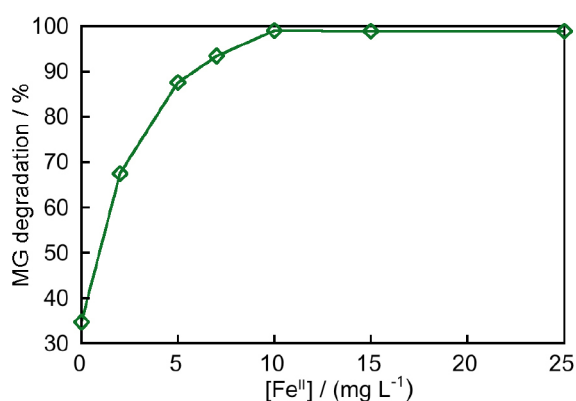


Figure S2. Effect of the initial concentration of Fe^{II} on the degradation of MG (10 mg L⁻¹) using the Fe^{II}/H₂O₂ system under UVA light irradiation. The concentration of H₂O₂ and the pH of the solution were kept constant for all the measurements ([H₂O₂] = 100 mg L⁻¹, pH = 2.7). The total time for the each experiment was 100 min.

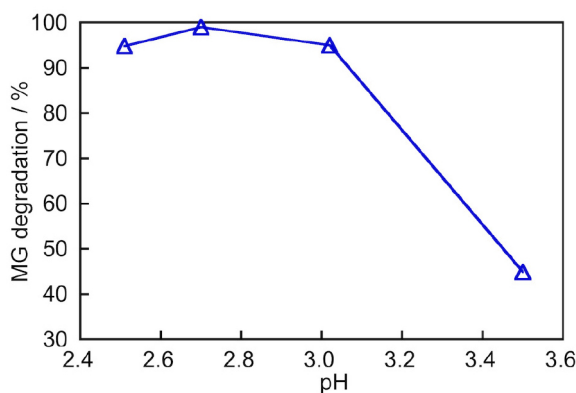


Figure S3. Effect of the initial pH of the solution on the degradation of MG (10 mg L⁻¹) using the Fe^{II}/H₂O₂ system under UVA light irradiation. The concentration of Fe^{II} and H₂O₂ were kept constant for all the measurements ([Fe^{II}] = 10 mg L⁻¹, [H₂O₂] = 100 mg L⁻¹). The total time for the each experiment was 100 min.

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