

SUPPLEMENTARY MATERIAL

Effective Degradation of Methylene Blue in Aqueous Solution Using Pd-Supported Cu-doped Ti-Pillared Montmorillonite Catalyst

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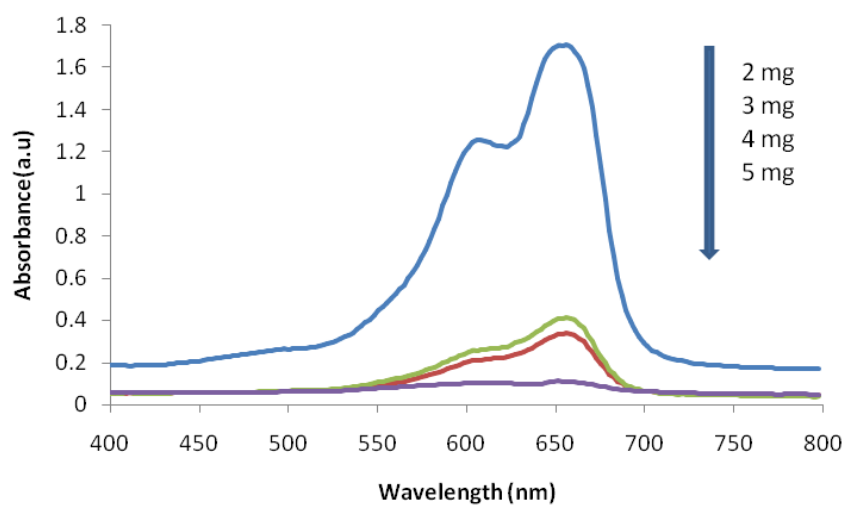


Fig S1. UV-Vis absorption spectra of MB solution treated with different doses of MTiCuPd500 catalyst, in the presence of NaBH₄, for 30 minutes.

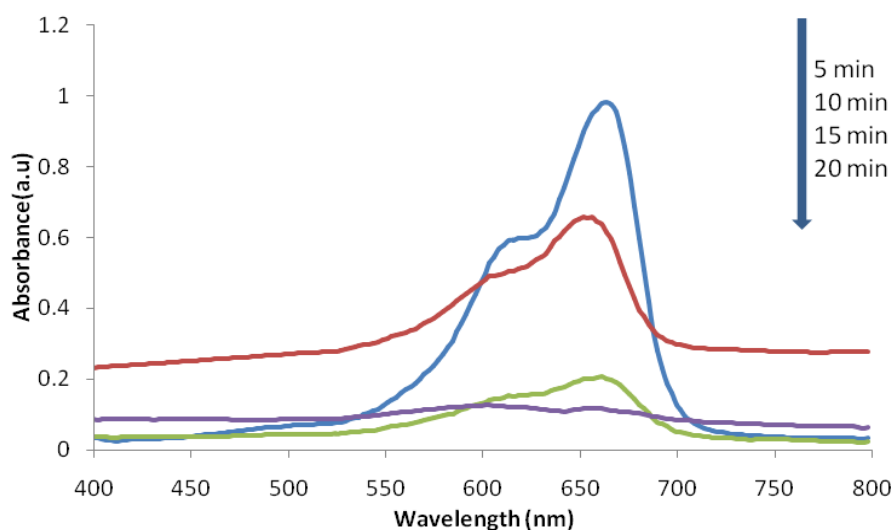


Fig S2. UV-Vis absorption spectra of MB solution treated with 5 mg of MTiCuPd500 catalyst, in the presence of NaBH₄, for different times.

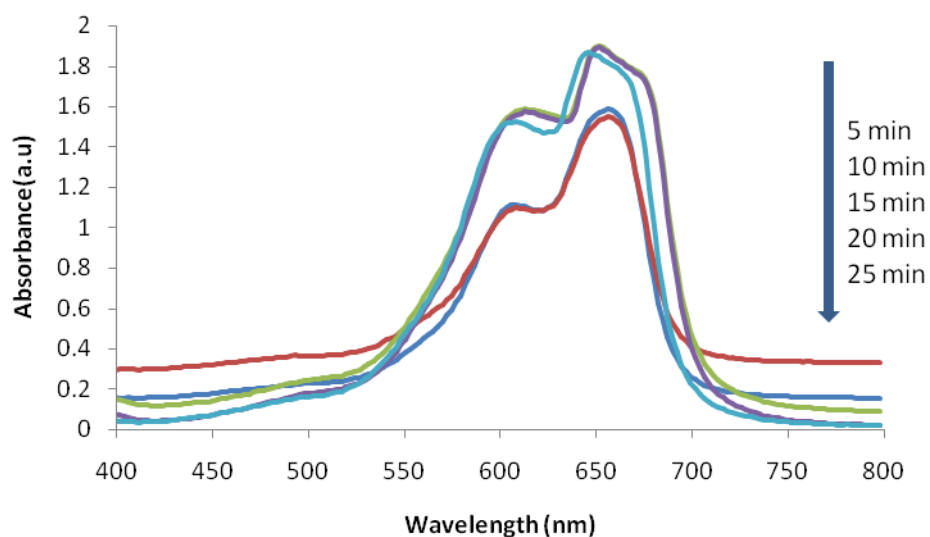


Fig S3. Evolution with time of UV-Vis absorption spectra of MB solution in the presence of NaBH_4 but without addition of catalyst.

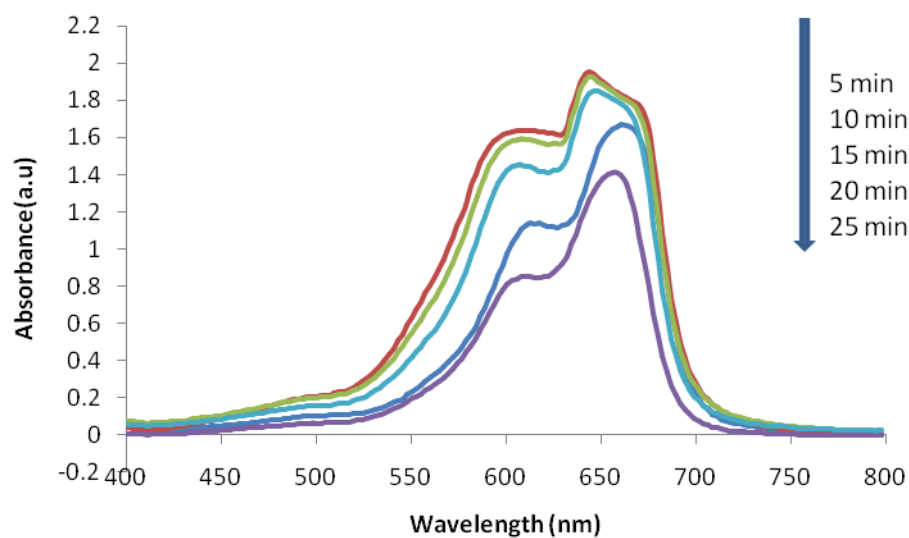


Fig S4. Evolution with time of UV-Vis absorption spectra of MB solution in the presence of MTiCuPd500 catalyst but in the absence of NaBH_4 .

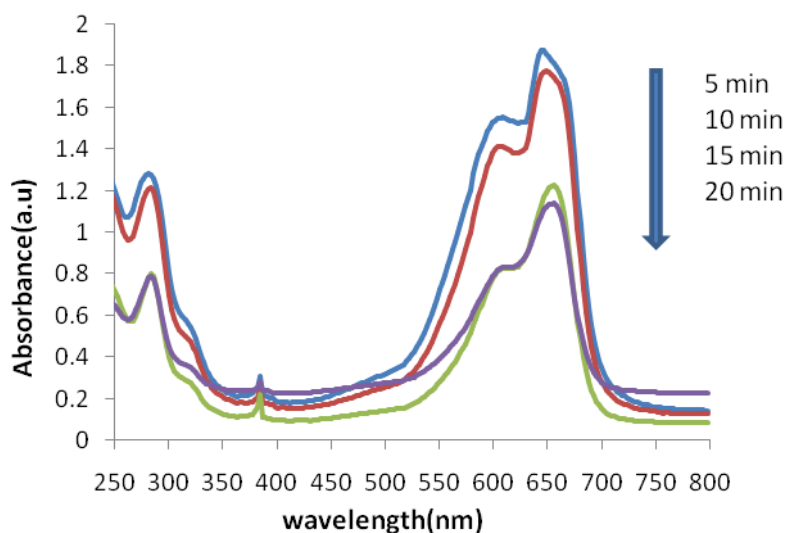


Fig. S5. Evolution with time of UV-Vis absorption spectra of MB solution catalyzed by MTiCuPd500 (5 mg) in the presence of NaBH₄ but in absence of light. For illustrative purposes, the spectra in this Figure are plotted in the 200-800 nm range, although the peak in the UV region was not used for calibration of the intensity-concentration relationship.

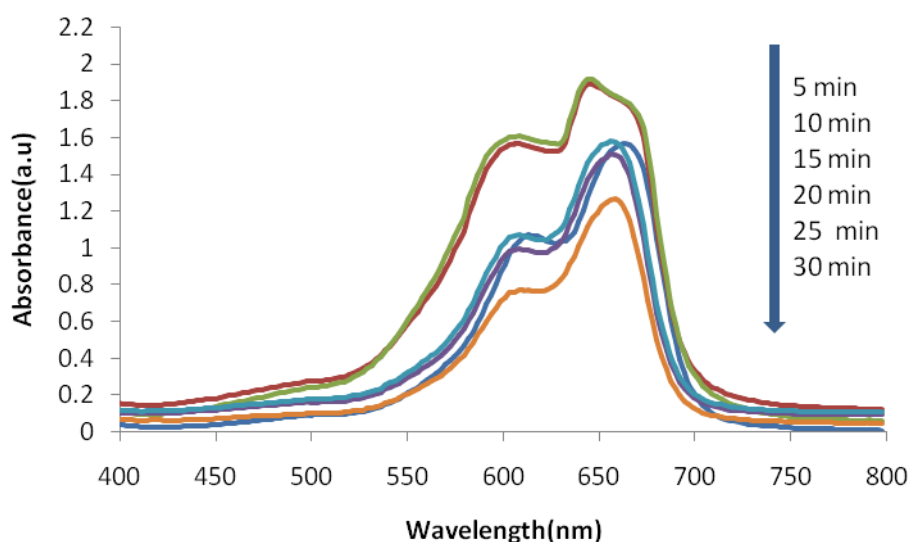


Fig. S6. Evolution with time of UV-Vis absorption spectra of MB solution catalyzed by MTi500 catalyst (5 mg) in the presence of NaBH₄.