

## Supplementary Material

### Removal of persistent textile dyes from wastewater by Fe(II)/H<sub>2</sub>O<sub>2</sub>/H<sub>3</sub>NOH<sup>+</sup> integrating system: process performance and limitations

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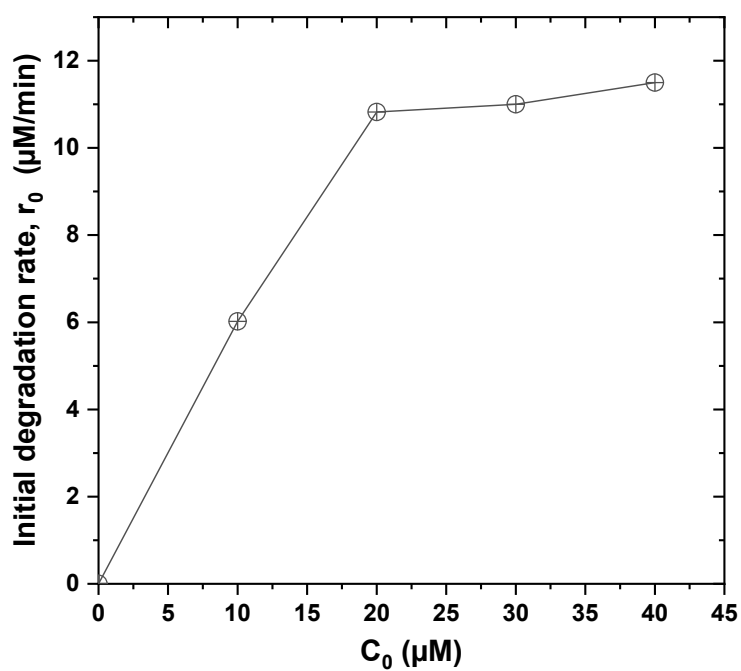
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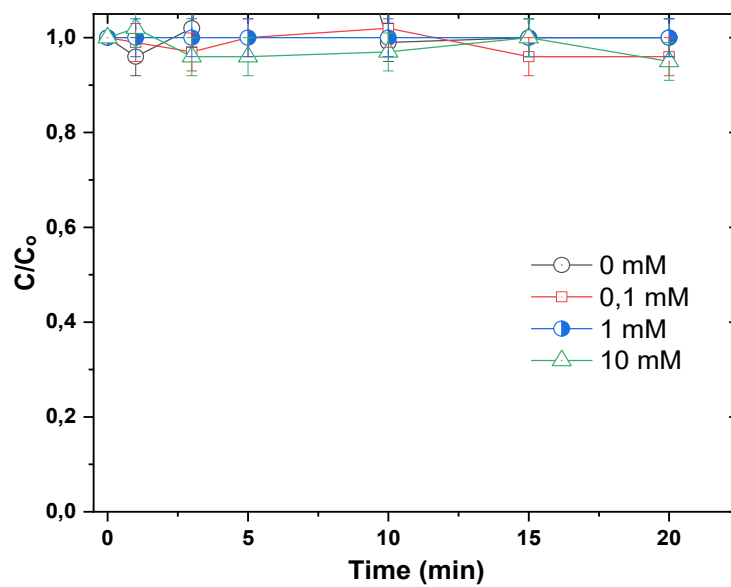
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**Fig. S1.** Initial degradation rate of FB versus its initial concentration in the Fe(II)/H<sub>2</sub>O<sub>2</sub>/hydroxylamine system ((Vol. = 200 mL, pH 3, Temp. ~ 25 °C,  $C_0 = 20\text{-}40$   $\mu\text{M}$ ,  $[\text{Fe(II)}]_0 = 0.05$  mM,  $[\text{H}_2\text{O}_2]_0 = 0.5$  mM,  $[\text{H}_3\text{NOH}^+]_0 = 0.5$  mM).



**Fig. S2.** FB degradation in the  $\text{H}_2\text{O}_2/\text{Cl}^-$  system (no hydroxylamine ad Fe(II)) at pH 3 and 25 °C (Vol. = 200 mL,  $[\text{Cl}^-]_0 = 0.05$  mM,  $[\text{H}_2\text{O}_2]_0 = 0.5$  mM).