Photocatalytic Degradation of Organic Dyes by Magnetite Nanoparticles Prepared by Co-Precipitation

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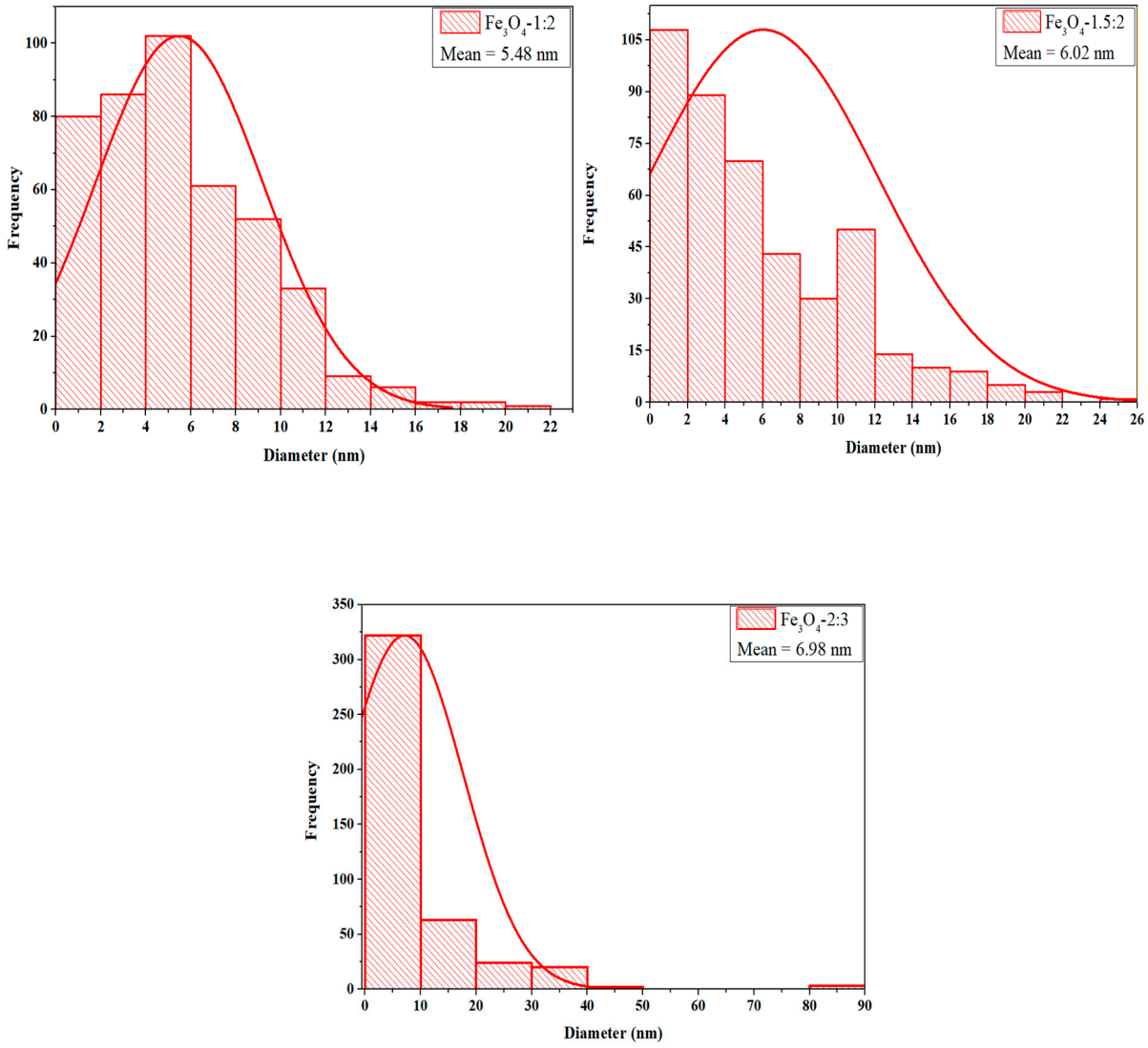


Figure S1: Size distribution histograms of Fe_3O_4-**1:2**, Fe_3O_4-**1.5:2** and Fe_3O_4-**2:3** nanoparticles.

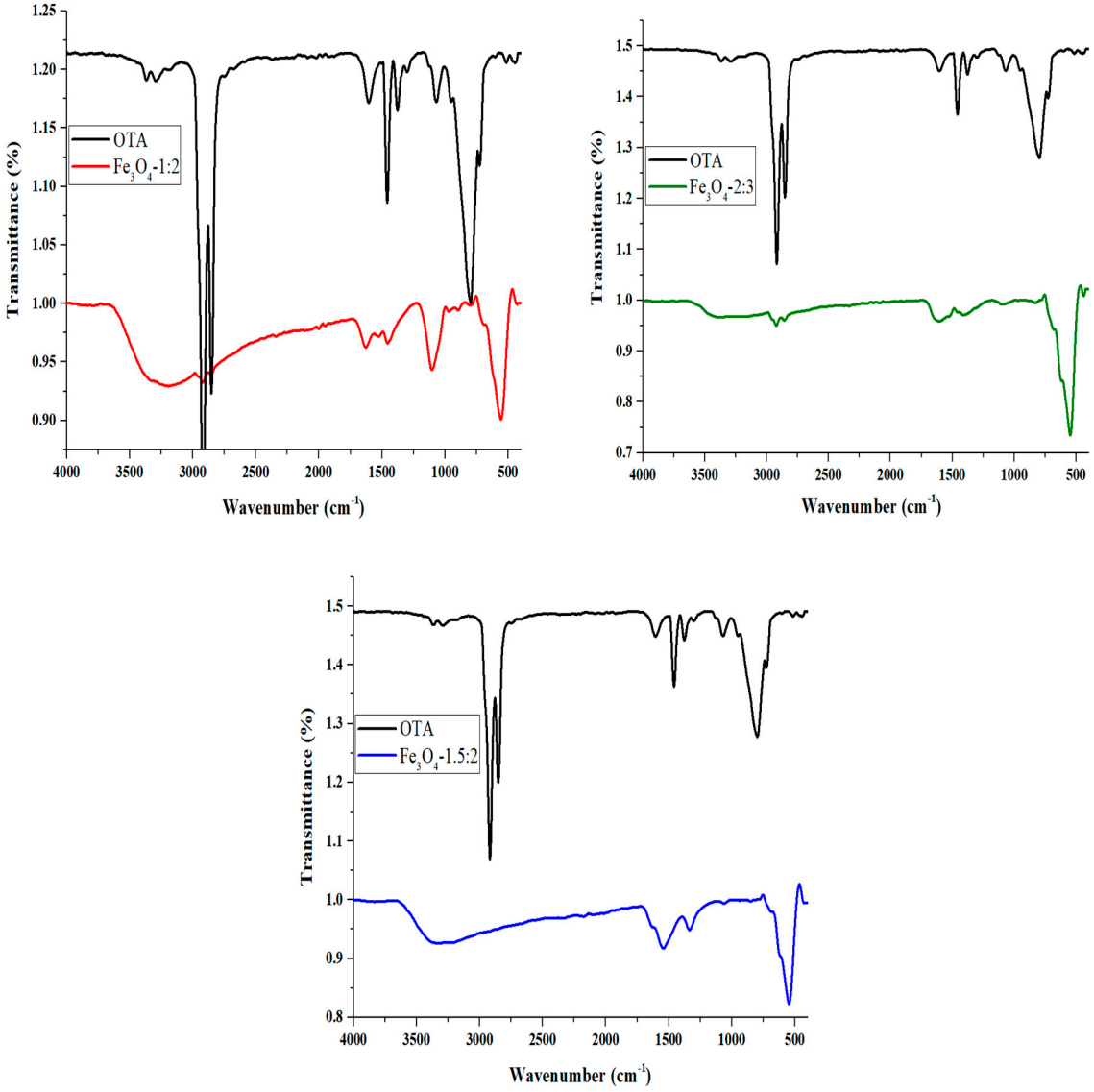


Figure S2. FTIR spectra overlay of Fe_3O_4-**1:2**, Fe_3O_4-**1.5:2** and Fe_3O_4-**2:3** nanoparticles.

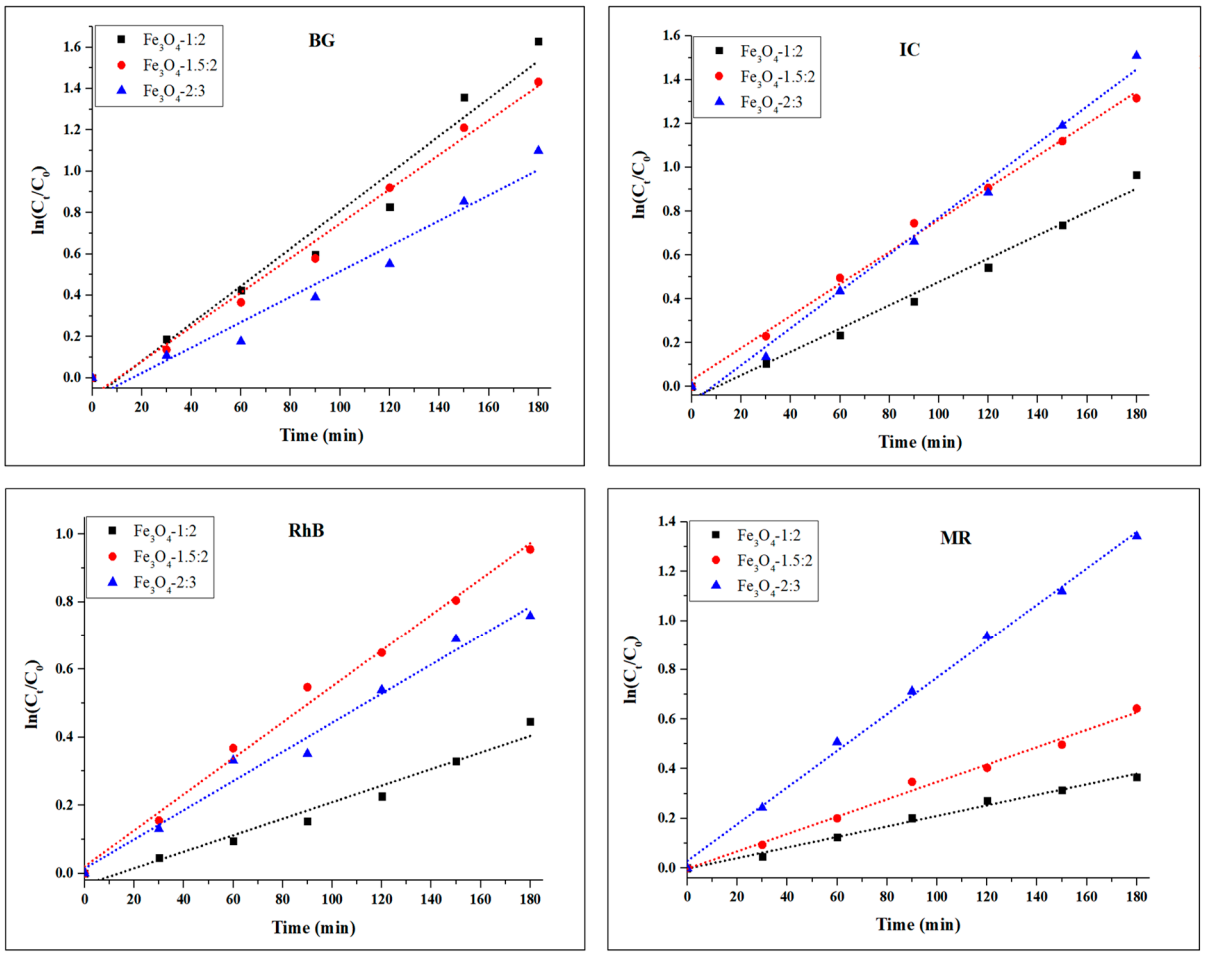


Figure S3. Brilliant green (BG), rhodamine B (RhB), indigo carmine (IC) and methyl red (MR) photocatalytic degradation kinetics using Fe_3O_4 nanoparticles as photocatalysts.

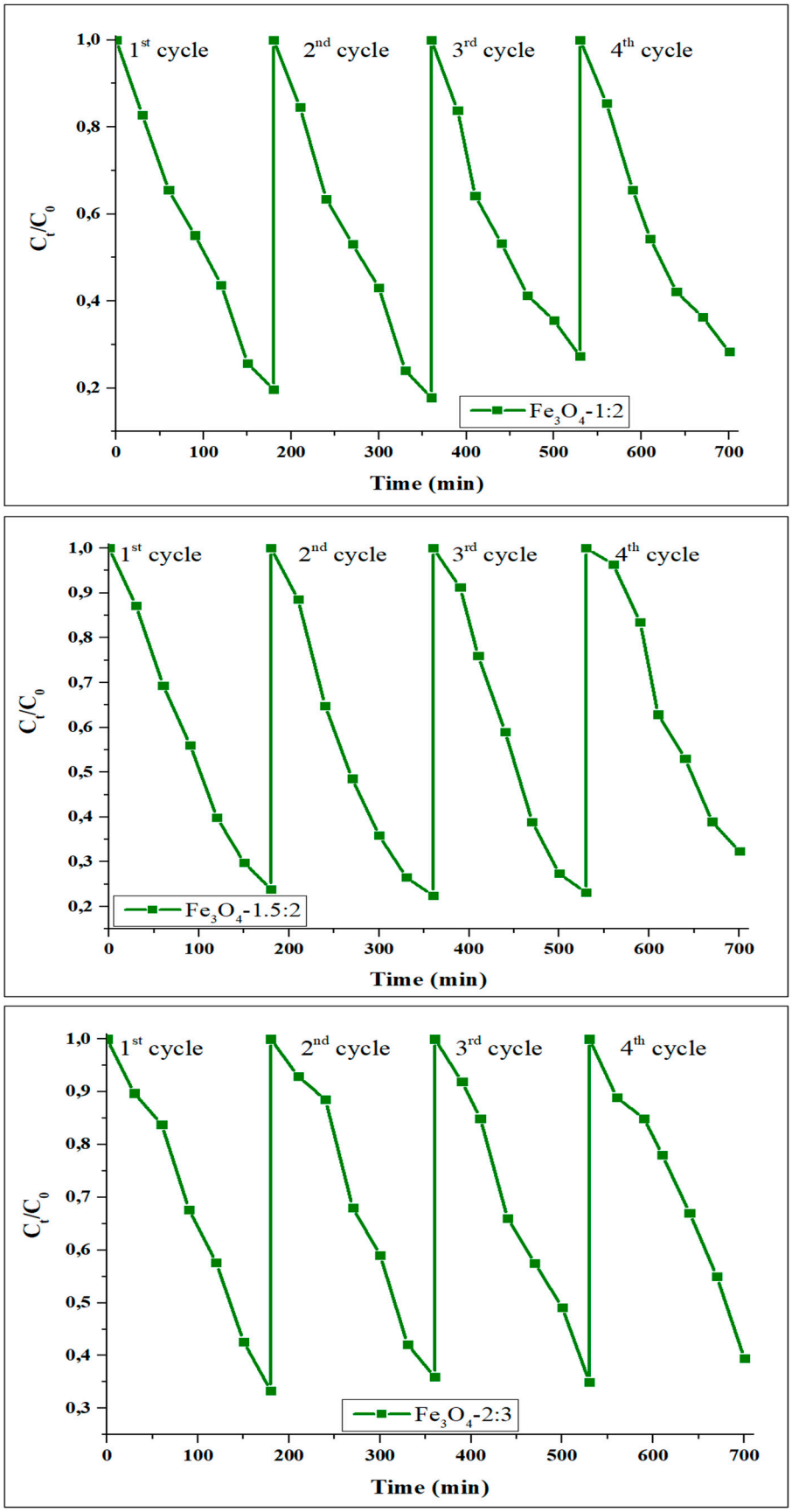


Figure S4: Photostability of Fe_3O_4-**1:2**, Fe_3O_4-**1.5:2** and Fe_3O_4-**2:3** nanoparticles over brilliant green dye.

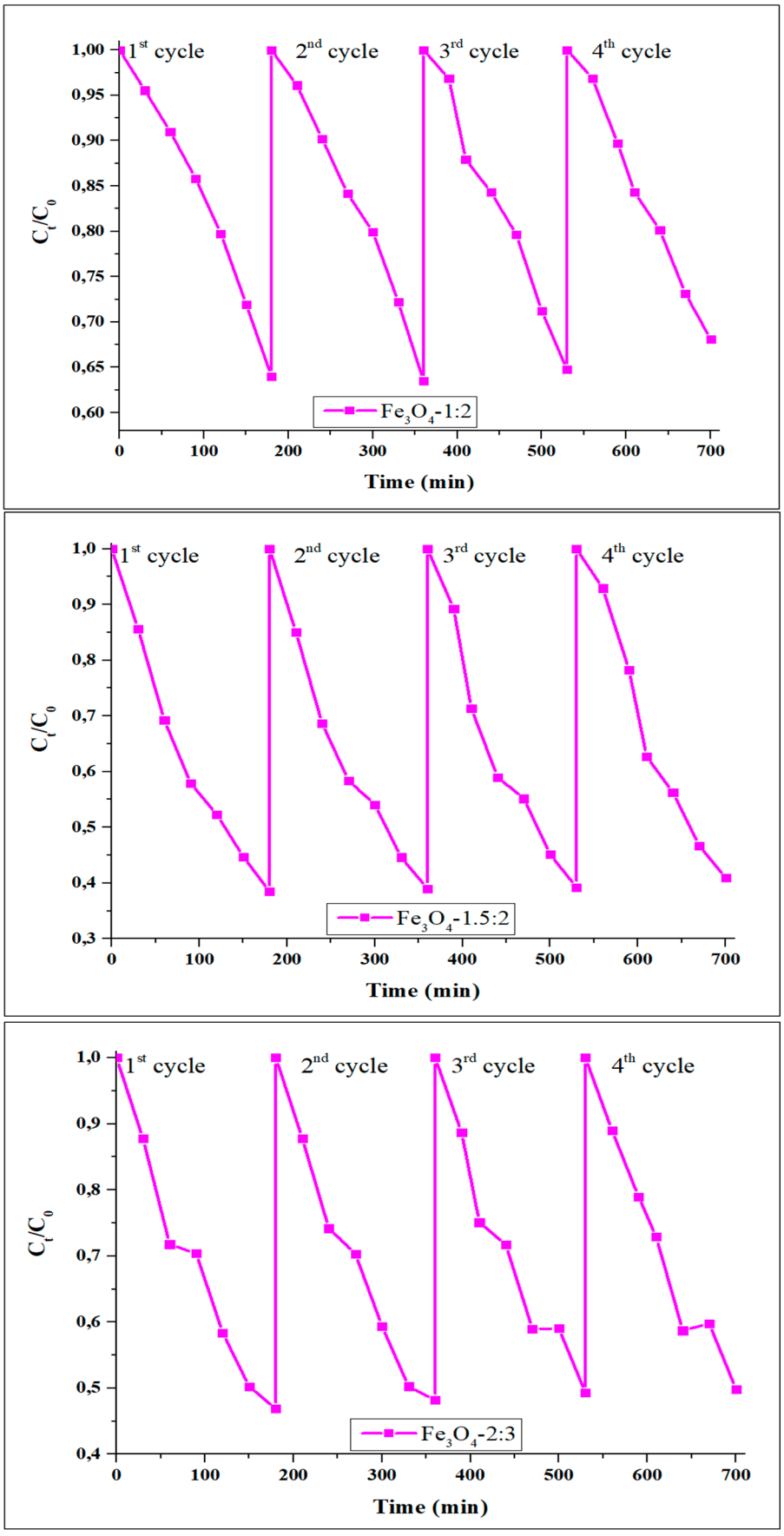


Figure S5: Photostability of Fe_3O_4-**1:2**, Fe_3O_4-**1.5:2** and Fe_3O_4-**2:3** nanoparticles over rhodamine B dye.

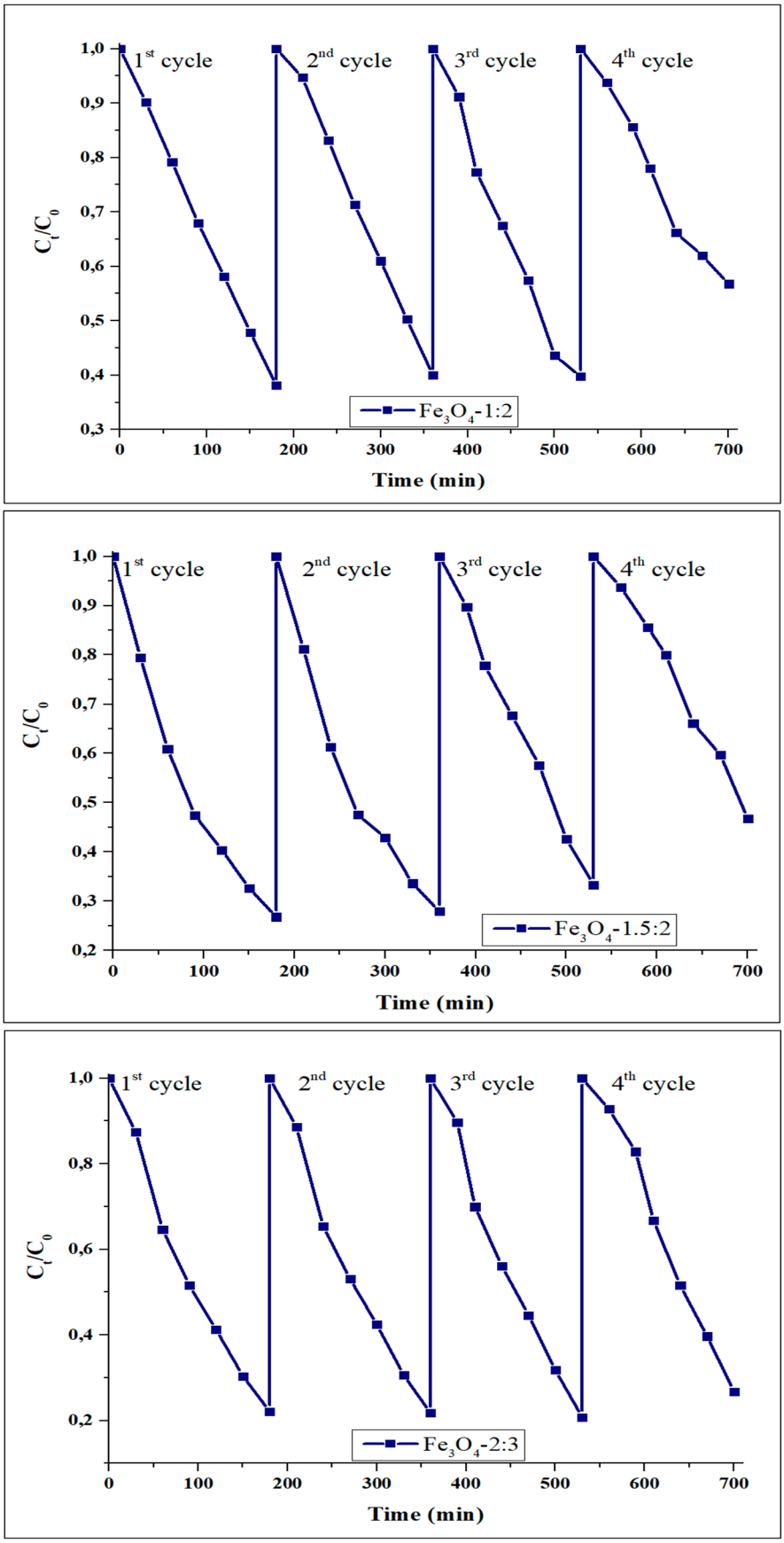


Figure S6: Photostability of Fe_3O_4-**1:2**, Fe_3O_4-**1.5:2** and Fe_3O_4-**2:3** nanoparticles over indigo carmine dye.

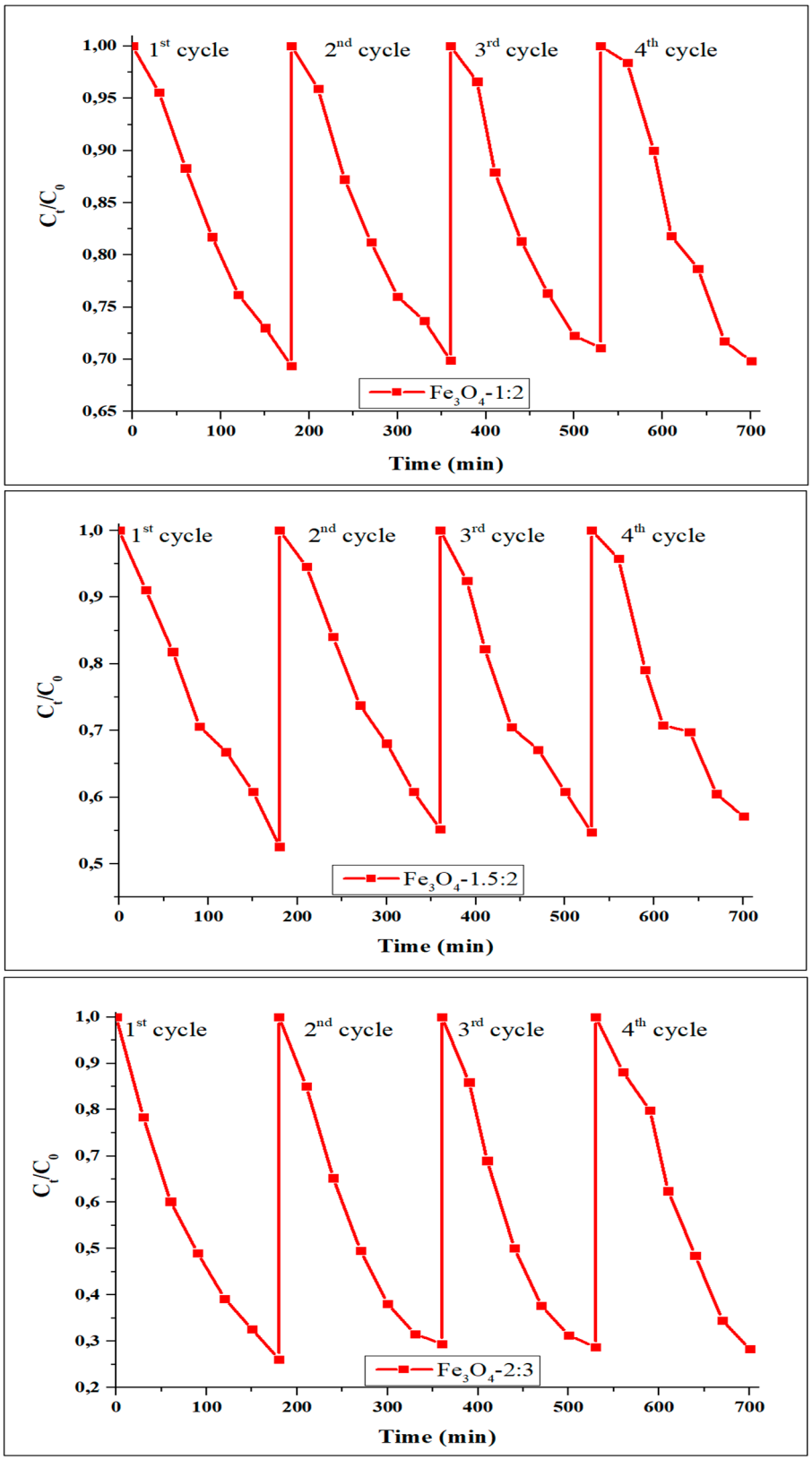


Figure S7: Photostability of Fe_3O_4-**1:2**, Fe_3O_4-**1.5:2** and Fe_3O_4-**2:3** nanoparticles over methyl red dye.