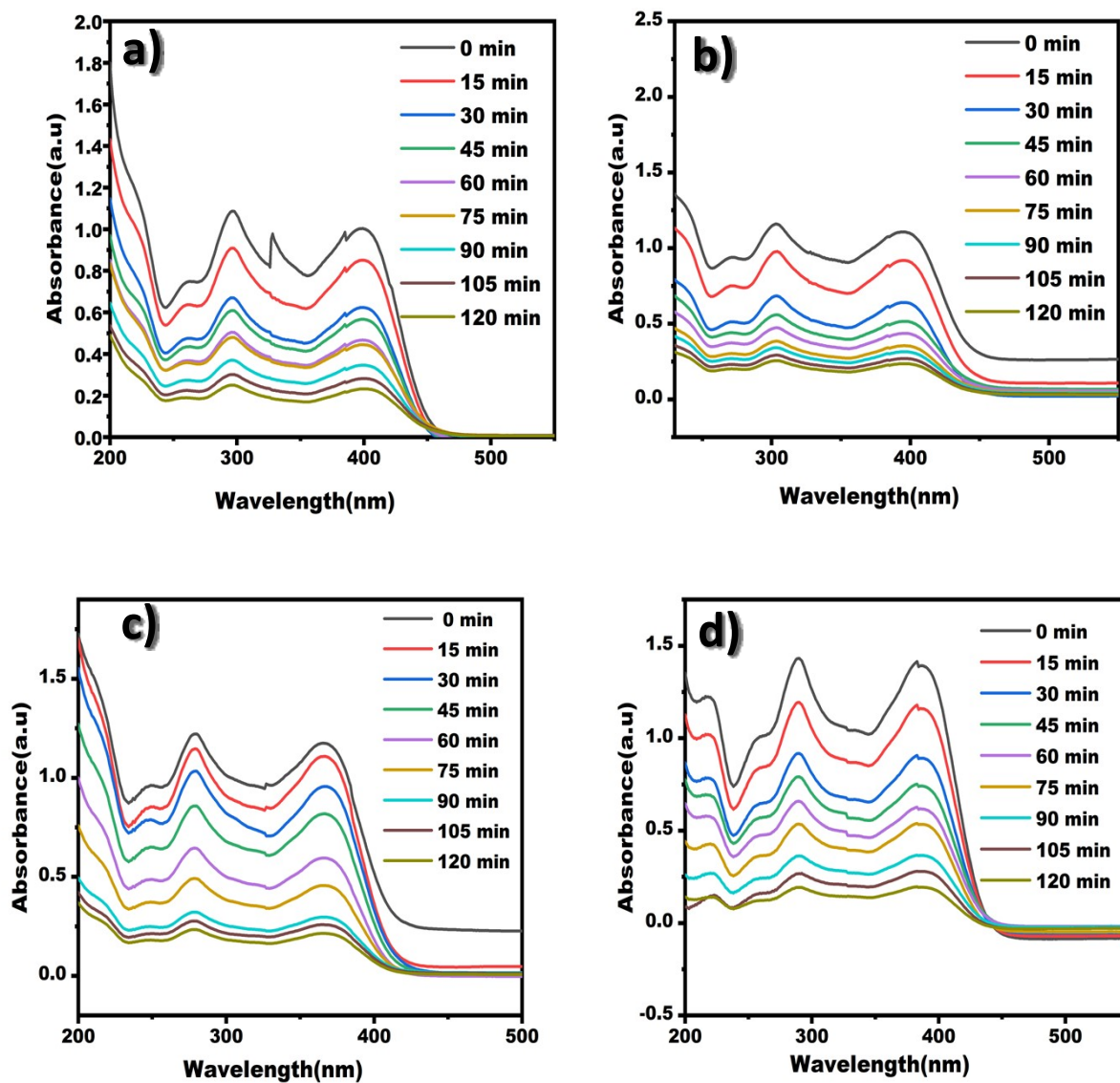


Supplementary information section

Weight ratio variation of composites



Figs. S1. a), b), c), and d) represent UV–Visible spectra of TC antibiotics degradation with different ratios of nanocomposites TN 0.5, TN 01, TN 02, and TN 03

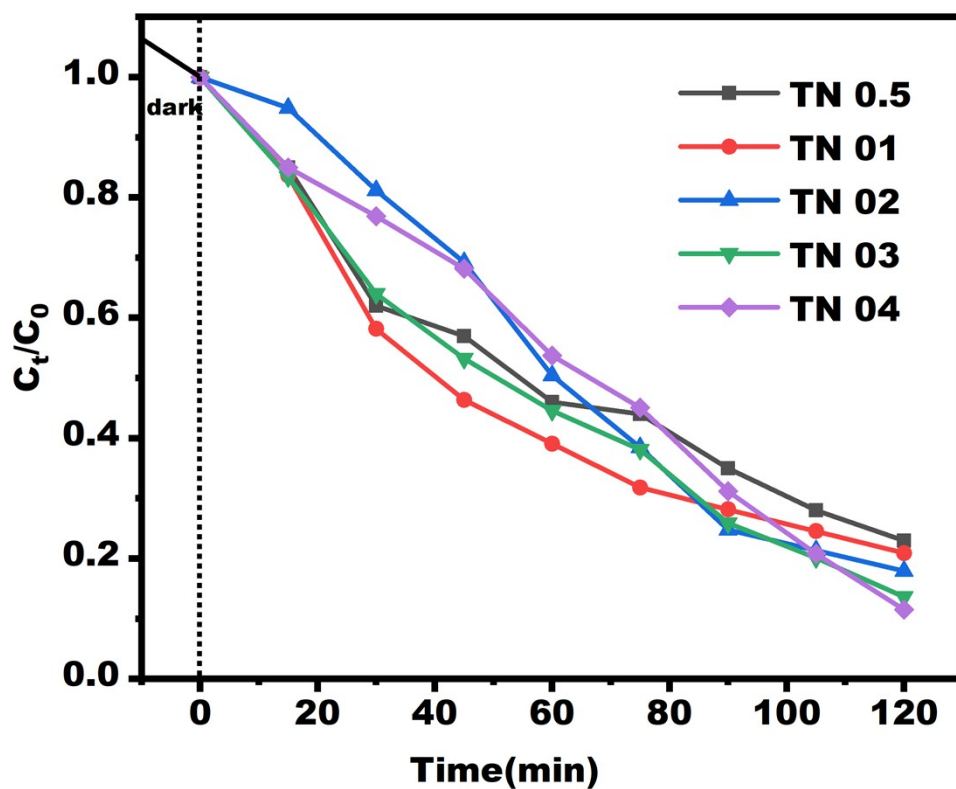
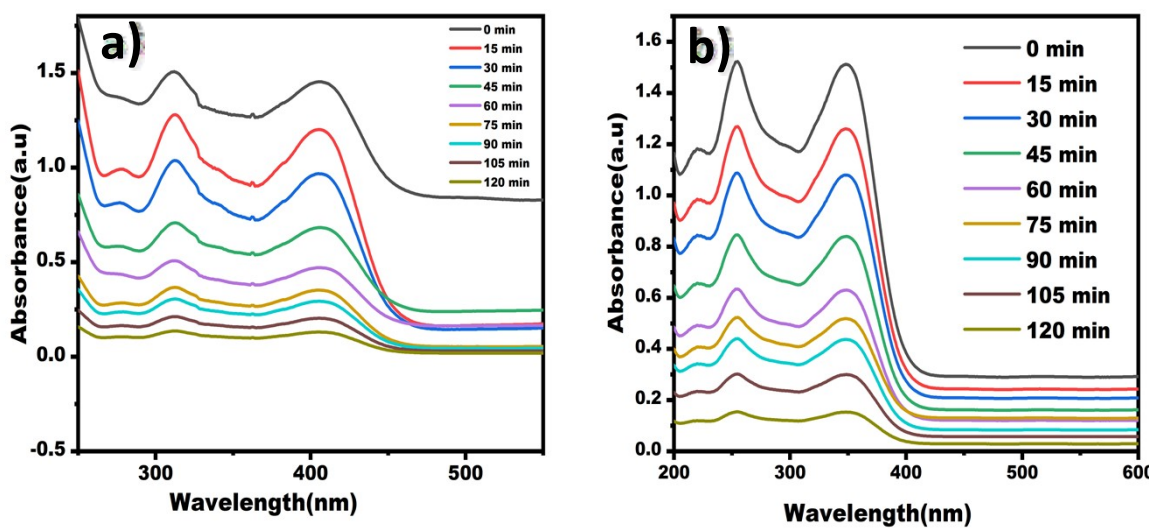
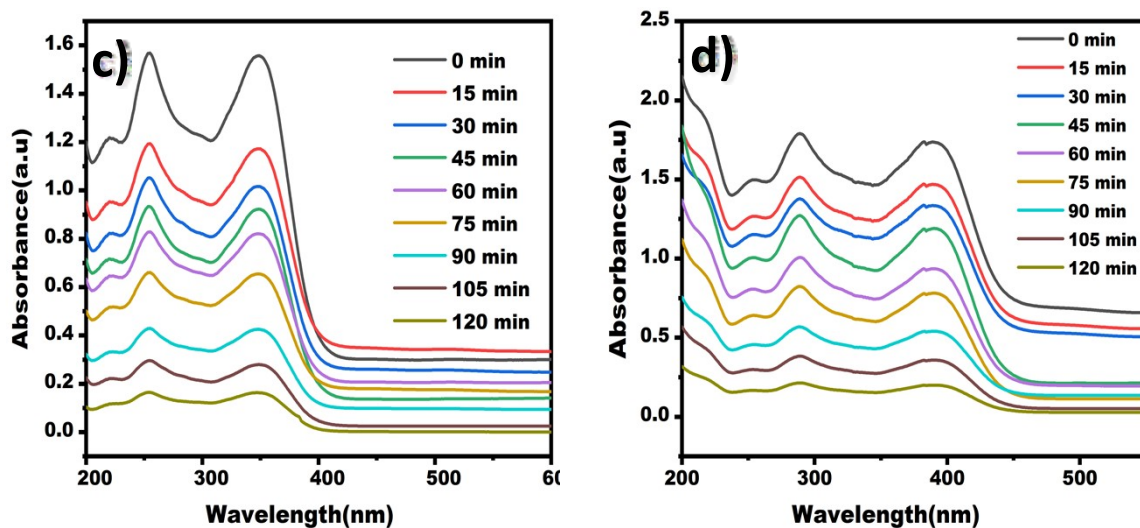


Fig. S2. Impact of reaction time and various catalyst ratios at pH 4 and 0.05 g/L of TC concentration in the presence of visible light

TC – CONCENTRATION





Figs. S3. a), b), c), and d) represent UV-visible spectra of TC antibiotics degradation with different concentrations of 0.02 g/L, 0.03 g/L, 0.04 g/L, and 0.05 g/L respectively

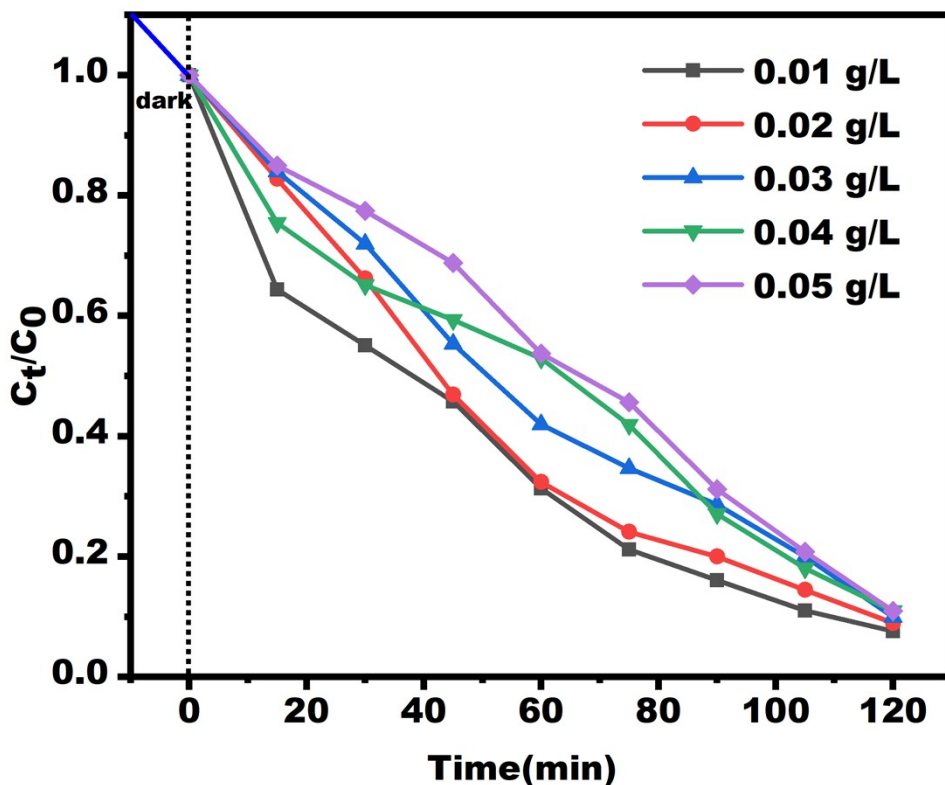
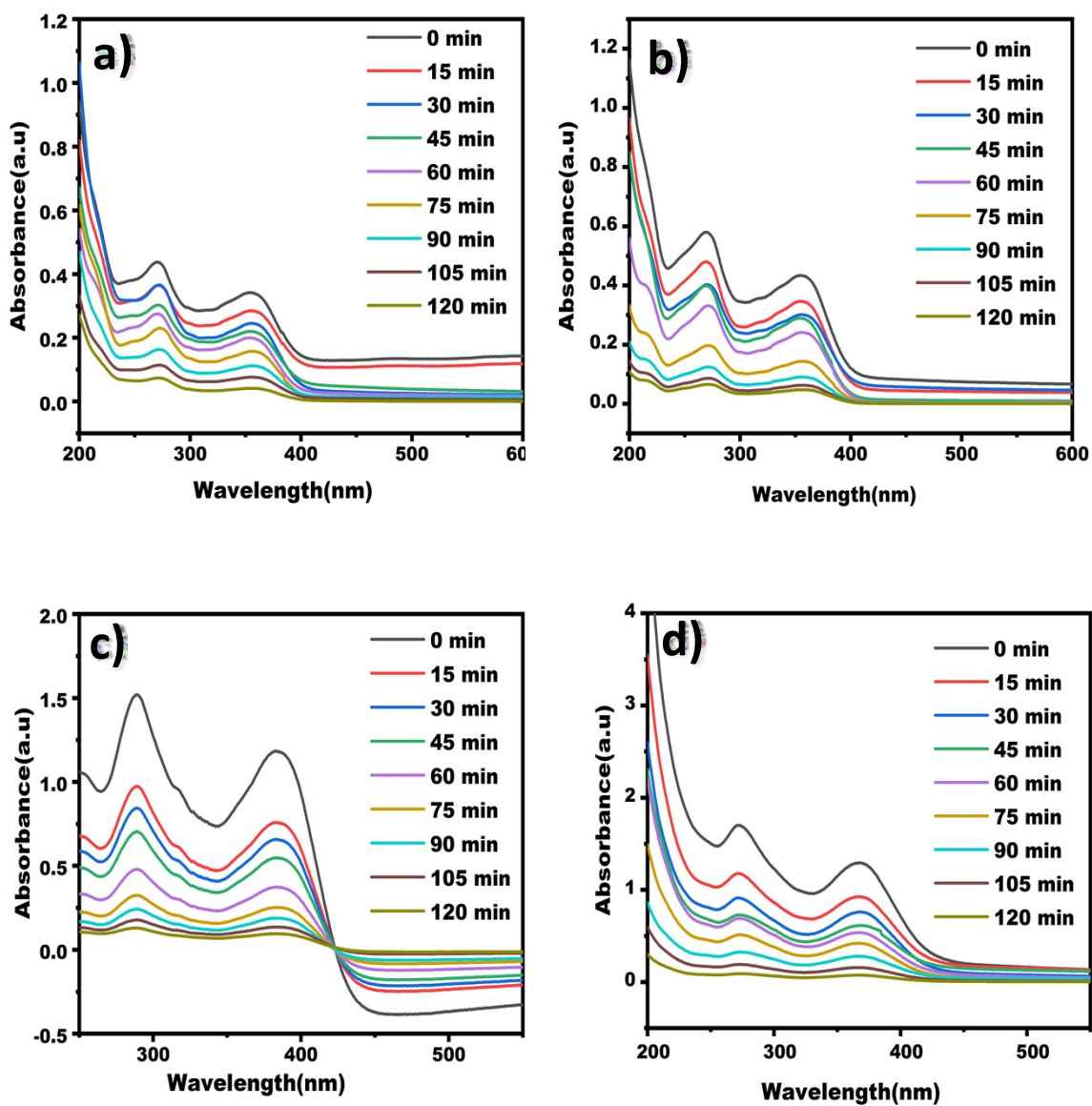


Fig. S4. Shows the impact on concentration ratios for TC degradation with different concentrations of TC solutions and nanocomposite 0.6 g/L of TN 04

pH - VARIATIONS



Figs. S5. a), b), c), and d) represent UV–visible spectra of TC antibiotics degradation with different pH values of 2, 3, 4, and 8 respectively

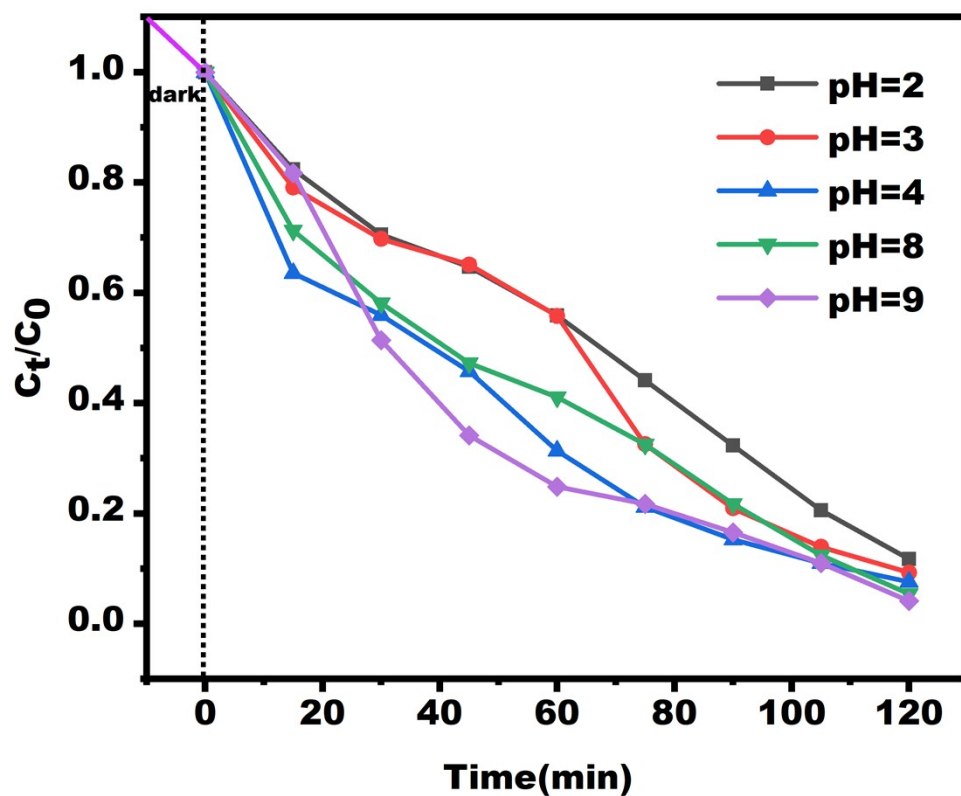


Fig. S6. Shows the impact on concentration ratios for TC degradation with different values of pH solutions, concentration of 0.01 g/L and nanocomposite 0.6 g/L of TN 04