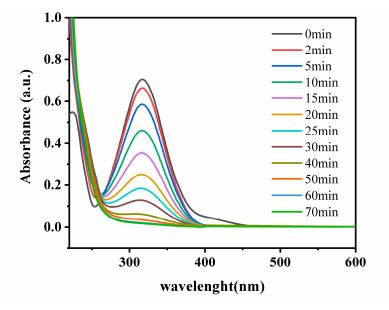


Figure S1. FTIR spectra of ZIF-67, Co-ZIF@GEL and cellulose aerogel.



**Figure S2.** Absorption spectra for degradation of PNP in ZIF@GEL/PMS system. (condition: Co-ZIF@GEL= 100 mg/L, PMS=1 mM, PNP=10 mg/L, T=25°C;).