Supporting Information

The performance of sulfate radical mediated-advanced oxidation process in the degradation of organic matter from secondary effluents

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Figure S1 Spectroscopic character of raw water and varying concentrations PS (from 1-20m), insert display enlarged view of wavelength from 300 to 400 nm.
Figure S2 Spectroscopic character of raw water and varying concentrations PMS (from 1-20m), insert display enlarged view of wavelength from 300 to 400 nm.

Figure S3 Evolution of absorbance spectra of system (Ag(I)/PS) with dosages of precursor and catalyst from 1-20mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor and catalyst concentration of 15 mM (b).
Figure S4 Evolution of absorbance spectra of system (Co (II)/PMS) with dosages of precursor and catalyst from 1-20mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor and catalyst concentration of 20 mM (b).
Figure S5 Evolution of absorbance spectra of system (ZVI/PS) with dosages of precursor and catalyst from 1-20mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor and catalyst concentration of 5 mM (b).
Figure S6 Evolution of absorbance spectra of system (40°C/PS) with dosages of precursor from 1-20mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor concentration of 20 mM (b).
Figure S7 Evolution of absorbance spectra of system (60°C/PS) with dosages of precursor from 1-20mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor concentration of 20 mM (b).
Figure S8 Evolution of absorbance spectra of system (40°C/PMS) with dosages of precursor from 1-20 mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor concentration of 20 mM (b).
Figure S9 Evolution of absorbance spectra of system (60 °C/PMS) with dosages of precursor from 1-20 mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor concentration of 20 mM (b).
Figure S10 Evolution of absorbance spectra of system (UV/PS/20W) with dosages of precursor from 1-20mM over 3 h (a) and best reaction in system vs time from 1-6 h with precursor concentration of 20 mM (b).