

Supplementary Materials: The following are available online at www.mdpi.com/xxx/s1

Table S1. Taguchi array L16 experimental layout

Experiment Run	Reaction Time	Analyte	H ₂ O ₂	H ₂ O ₂ :Fe(0)/H ₂ O ₂ :FeSO ₄	Initial pH
1	1	1	1	1	1
2	1	2	2	2	1
3	1	3	3	3	2
4	1	4	4	4	2
5	2	1	3	2	2
6	2	2	4	1	2
7	2	3	1	4	1
8	2	4	2	3	1
9	3	1	4	3	1
10	3	2	3	4	1
11	3	3	2	1	2
12	3	4	1	2	2
13	4	1	2	4	2
14	4	2	1	3	2
15	4	3	4	2	1
16	4	4	3	1	1

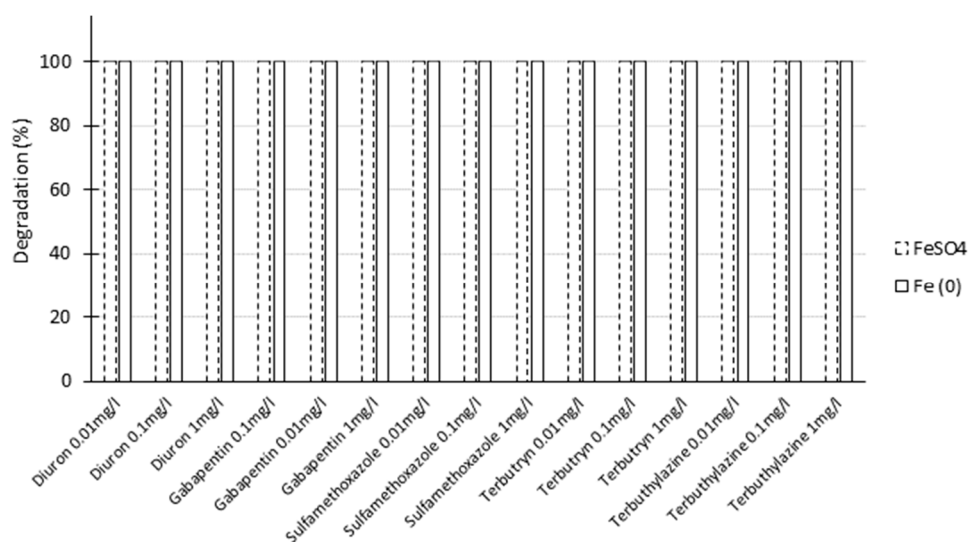
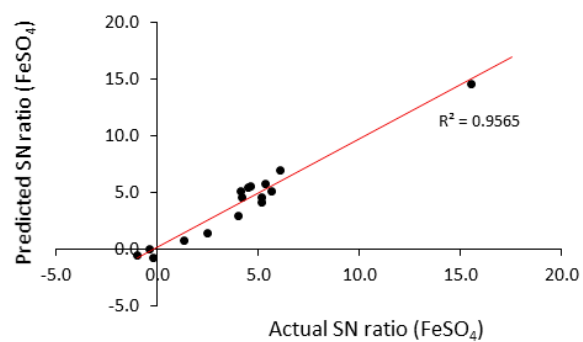
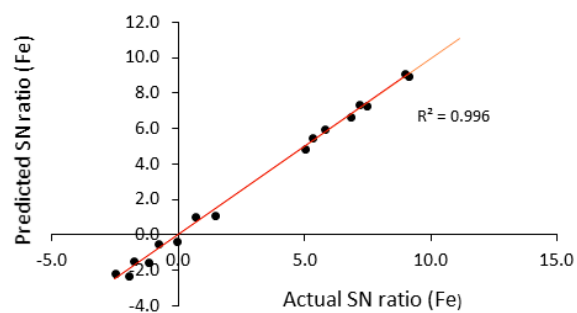


Figure S1. Micro-pollutants (MPs) degradation at optimal experimental conditions



(a)



(b)

Figure S2. Regression plot of actual vs predicted SN ratio obtained after the Taguchi analysis for the (a) FeSO₄ treatment ($R^2 = 0.956$) and (b) Fe treatment ($R^2 = 0.996$).