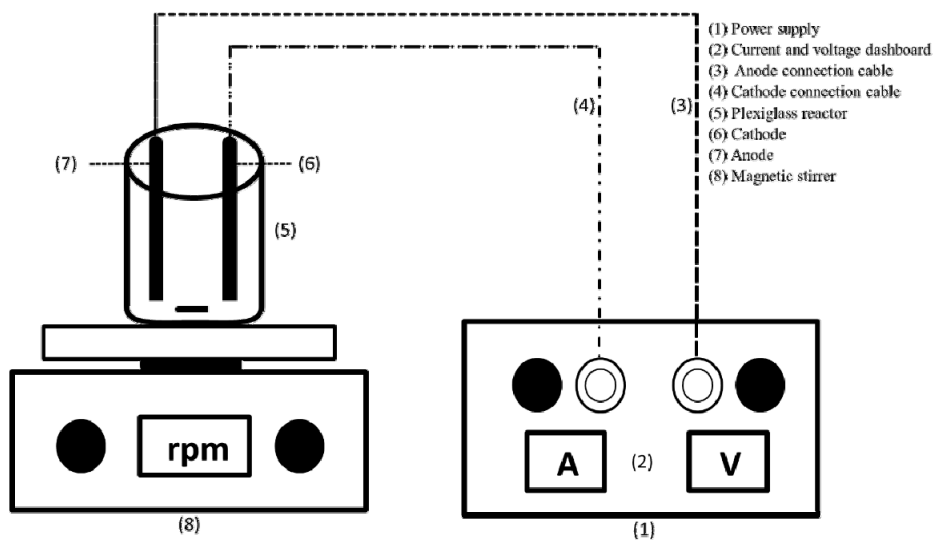


## Supplementary Materials

**Table S1.** Box-Behnken Design of Three Independent Variables and Response (actual and predicted)

Set	Factor			CN removal, %	
	A: Initial pH	B: PAC dose (g/L)	C: Reaction time (min)	Actual	Predicted
1	6	1	30	29.80	31.78
2	10	1	30	43.10	45.45
3	6	5	30	59.40	57.05
4	10	5	30	71.20	69.23
5	6	3	15	45.60	47.09
6	10	3	15	57.50	58.61
7	6	3	45	58.70	57.59
8	10	3	45	73.40	71.91
9	8	1	15	40.80	37.34
10	8	5	15	57.40	58.26
11	8	1	45	46.50	45.64
12	8	5	45	70.30	73.76
13	8	3	30	43.60	42.80
14	8	3	30	44.10	42.80
15	8	3	30	40.70	42.80



**Fig S1.** Schematic representation of the EO process set-up.