

Enhanced Catalytic Activity of a Coal-Based Powdered Activated Carbon by Thermal Treatment

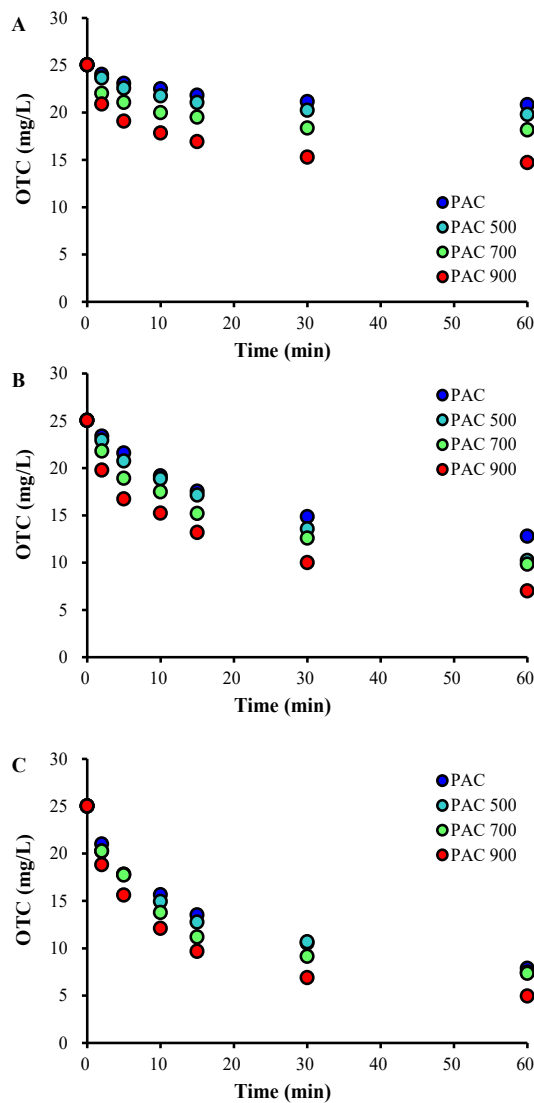


Figure S1. OTC removal using various PACs (A) in the absence of an oxidant and in the presence of (B) PDA and (C) PMS (PACs 0.1 g/L, PDS or PMS 1 mM, OTC 25 mg/L, initial pH 6.0, 20±2 °C).

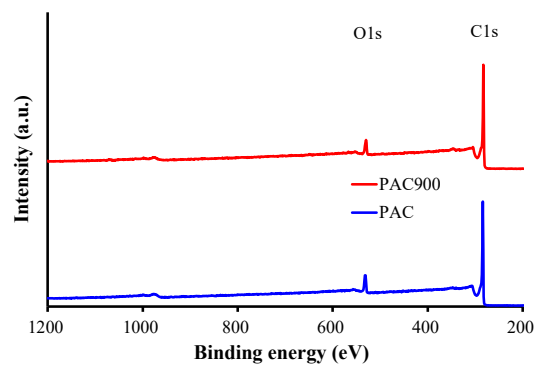


Figure S2. XPS survey spectra of PAC and PAC900.

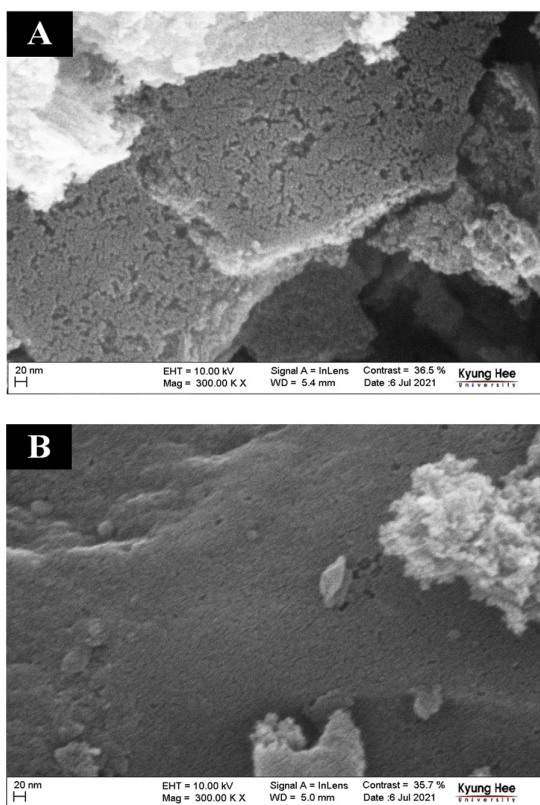


Figure S3. SEM images of (A) PAC and (B) PAC900.

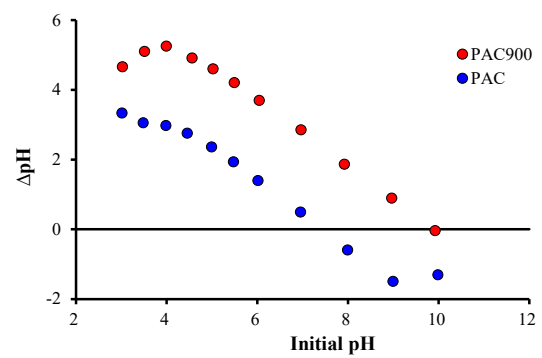
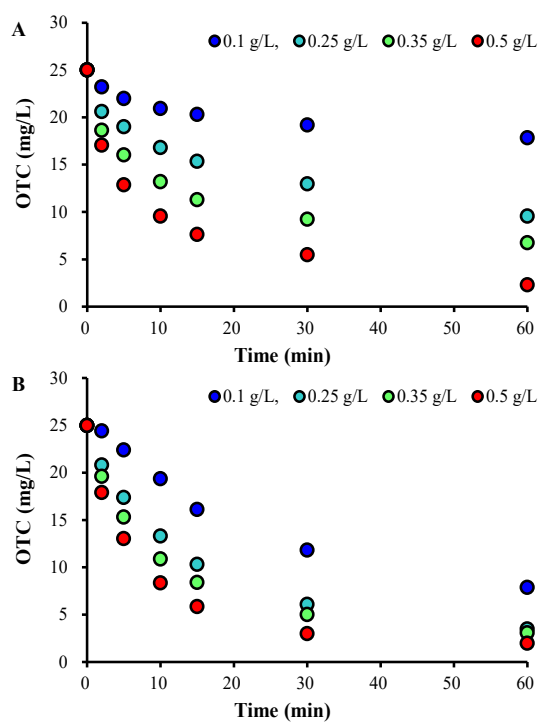


Figure S4. Point of zero charge (pH_{pzc}) of PAC and PAC900.



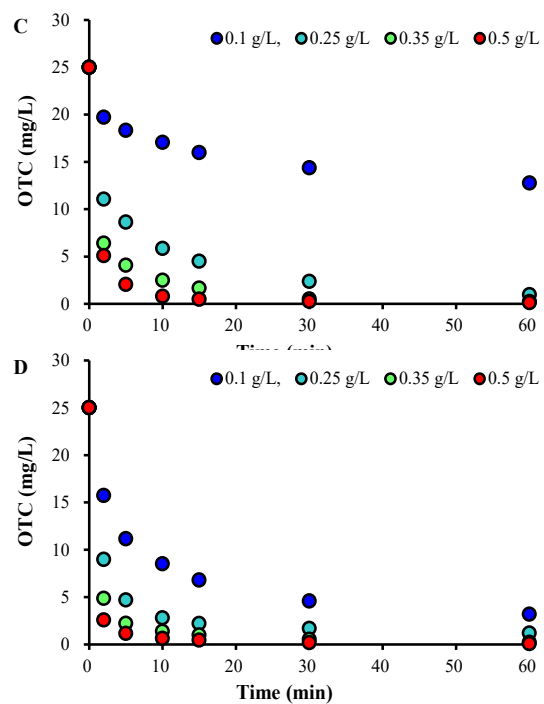


Figure S5. OTC removal at different PACs dose in (A) PAC, (B) PAC+PMS, (C) PAC900, and (D) PAC900+PMS (PMS 1 mM, OTC 25 mg/L, initial pH 6.0).

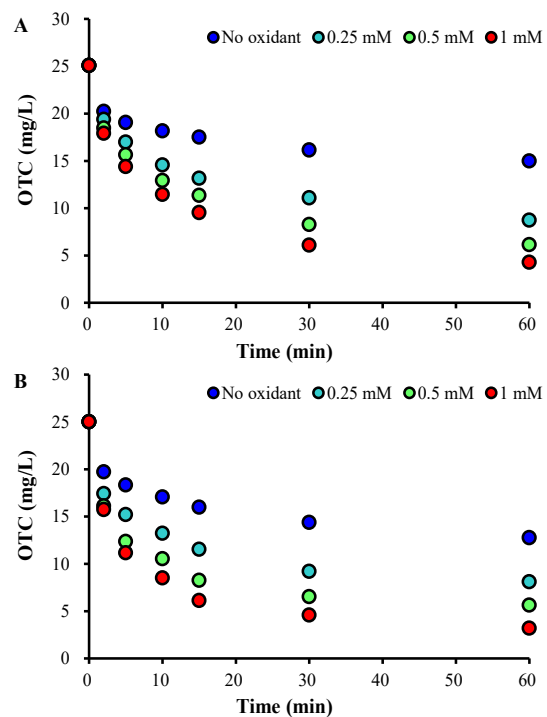


Figure S6. OTC removal at different PMS dose in (A) PAC +PMS and (B) PAC900+PMS (PACs 0.1 g/L, OTC 25 mg/L, initial pH 6.0).