

Supplementary materials

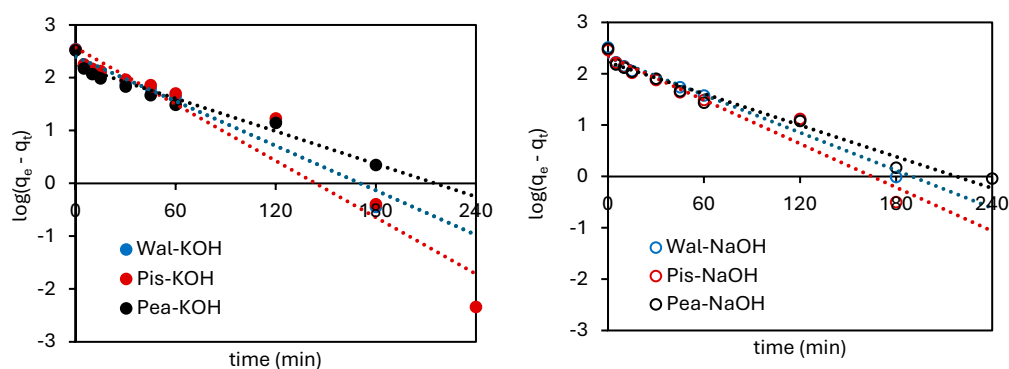


Figure S1. The pseudo-first-order kinetic model for the adsorption of PAR onto nutshell-derived ACs.

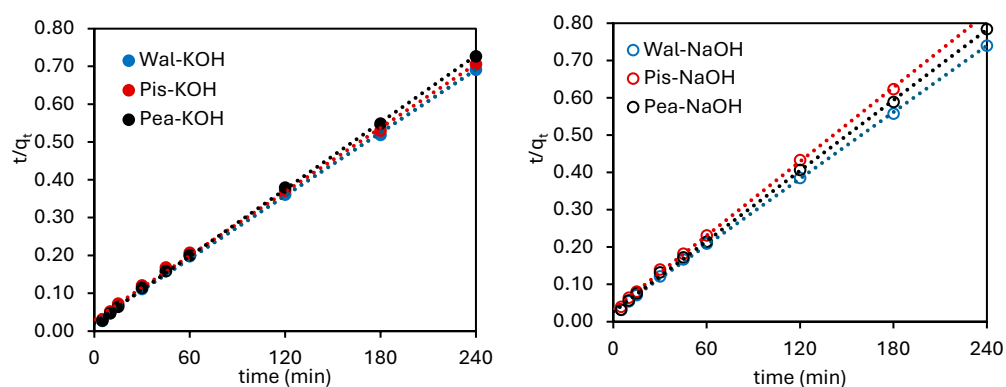


Figure S2. The pseudo-second-order kinetic model for the adsorption of PAR onto nutshell-derived ACs.

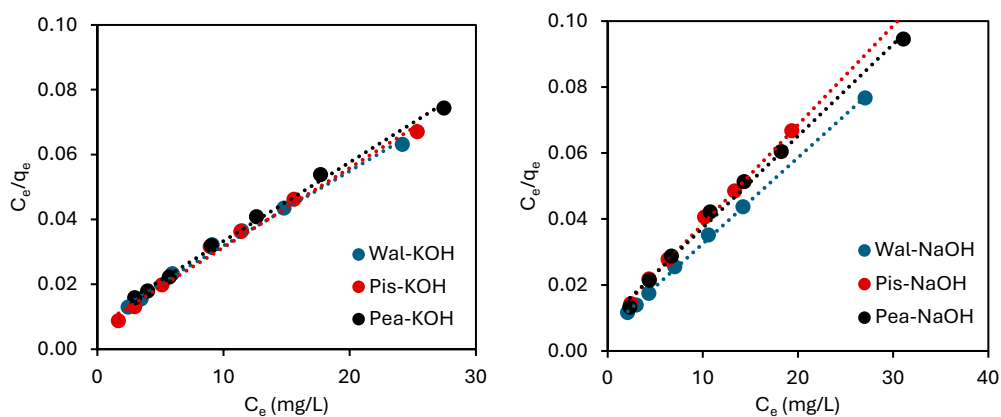


Figure S3. The linear Langmuir isotherm for the adsorption of PAR onto nutshell-derived ACs.

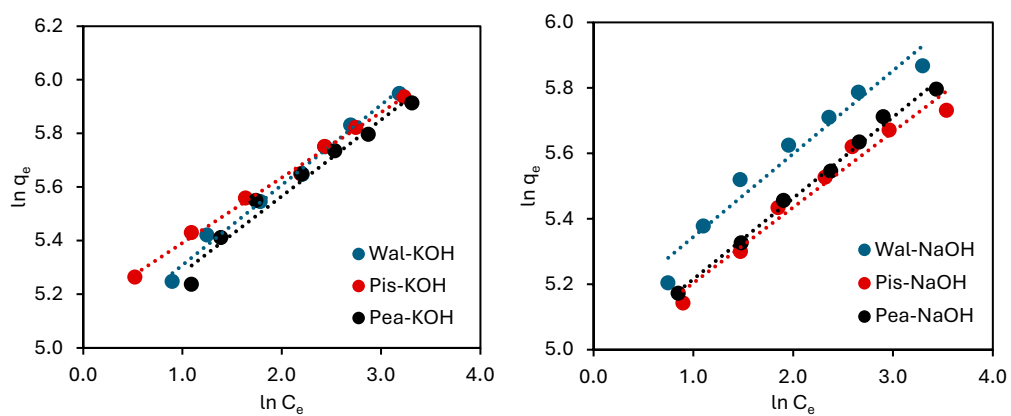


Figure S4. The linear Freundlich isotherm model for the adsorption of PAR onto nutshell-derived ACs.

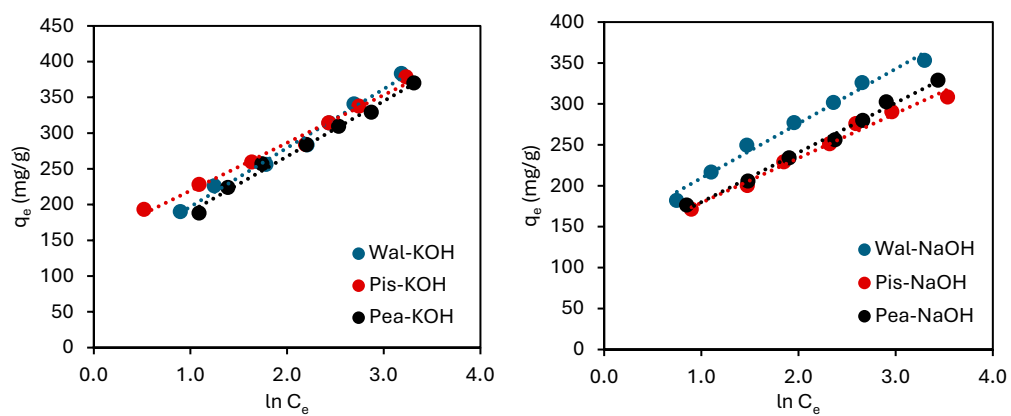


Figure S5. The linear Temkin isotherm model for the adsorption of PAR onto nutshell-derived ACs.